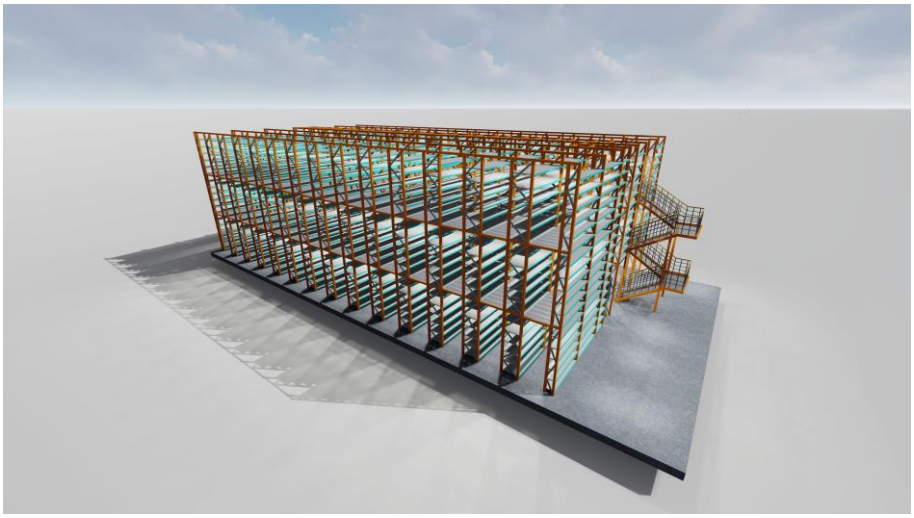
CONTRATAR EN NOMBRE DE LA NACIÓN - CONSEJO SUPERIOR DE LA JUDICATURA - DIRECCIÓN SECCIONAL DE ADMINISTRACIÓN JUDICIAL DE IBAGUÉ, LA CONSULTORÍA PARA LA ELABORACIÓN DE LOS DISEÑOS Y PRESUPUESTO REQUERIDO PARA LA IMPLEMENTACIÓN DE UN SISTEMA DE ALMACENAMIENTO DE ARCHIVO TIPO MEZZANINE METÁLICO AUTOPORTABLE.



INFORME DE ESTANTERÍA

ABRIL 2025

Fábrica: Transversal 60C No. 93A-45 Bogotá D.C Tels.: 8051034-56 / 318 6595695
licitaciones@mademuebles.com.co, licitaciones.mademuebles@gmail.com
www.mademuebles.com.co

MADE MUEBLES

MODELO DE MONTAJE DE ESTANTERIA

1. Bastidor o Marco	
	Componentes para el ensamble de un bastidor Puntal troquelado Riostras Soporte de piso Tornillería de 5/16

MADE MUEBLES

MODELO DE MONTAJE DE ESTANTERIA

2. Ensamble Bastidor o Marco	
	Sujeción de puntales y riostras transversal y horizontal mediante tornillos de 5/16
3. Ensamble estantería	
 	Enganche de vigas a bastidores por medio de pernos de seguridad de fácil instalación.

MODELO DE MONTAJE DE ESTANTERIA

4. Instalación tendidos o entrepaños	
 	Instalación de tendidos y/o entrepaños se deben sobreponer sobre las vigas estos no requieren tornillería o sujeciones

MODELO DE MONTAJE DE ESTANTERIA



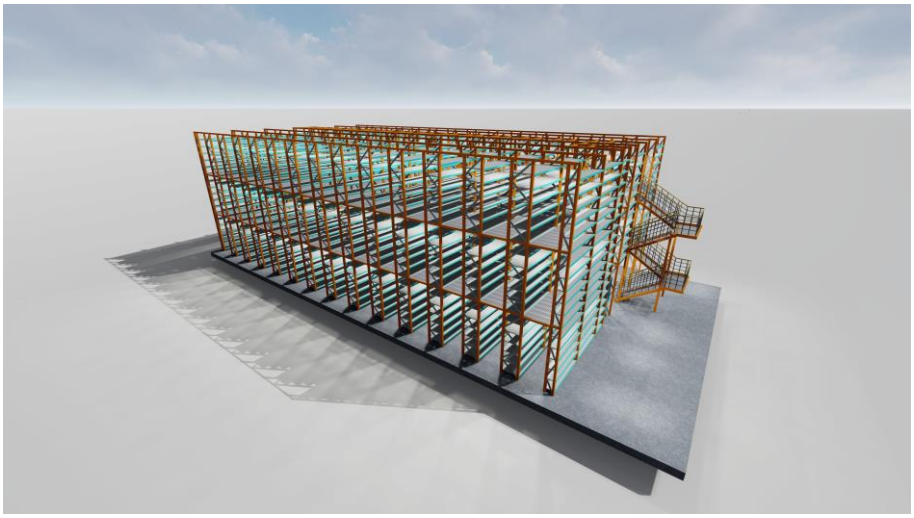
Consideraciones generales

Estructura combinada donde tanto la resistencia de cargas sísmicas y las verticales consisten en un sistema de acero con perfiles de lámina doblada en frio y perfiles tubulares estructurales PTE que no cumplen los requisitos de F.2.2.4 para perfiles no esbeltos. Para estanterías de más de 2,44 m (8 pies) de altura, Ry = 4,0 en la dirección arriostrada y Rx =6,0 en la dirección no arriostrada.

Sistema de almacenamiento de un nivel con dos diafragmas intermedios de almacenamiento.

El sistema estructural utilizado para resistir cargas verticales y sísmicas es un sistema combinado cuyo sistema de resistencia de cargas sísmicas y verticales consiste en un sistema de acero con perfiles de lámina doblada en frio y perfiles tubulares estructurales PTE que no cumplen los requisitos de F.2.2.4 para perfiles no esbeltos. La losa de entrepiso consiste en una losa liviana con piso industrial grating que llevan las cargas a vigas PTE principales quienes transmiten las cargas a las columnas omega y estas a la cimentación. Para estanterías de más de 2,44 m (8 pies) de altura, Ry = 4,0 en la dirección arriostrada y Rx =6,0 en la dirección no arriostrada.

CONTRATAR EN NOMBRE DE LA NACIÓN - CONSEJO SUPERIOR DE LA JUDICATURA - DIRECCIÓN SECCIONAL DE ADMINISTRACIÓN JUDICIAL DE IBAGUÉ, LA CONSULTORÍA PARA LA ELABORACIÓN DE LOS DISEÑOS Y PRESUPUESTO REQUERIDO PARA LA IMPLEMENTACIÓN DE UN SISTEMA DE ALMACENAMIENTO DE ARCHIVO TIPO MEZZANINE METÁLICO AUTOPORTABLE.



MEMORIAS DE CALCULO ESTRUCTURAL

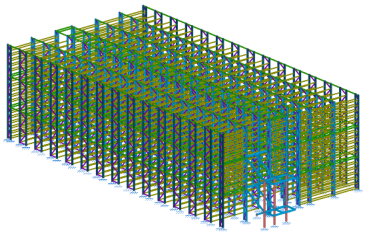
ABRIL 2025

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TEOFILO HUMBERTO RAMIREZ MONTEJO INGENIERO CIVIL ESPECIALISTA EN ESTRUCTURAS		
MEMORIA DE CALCULO ESTRUCTURAL PARA LA MODERNIZACIÓN DE LA INFRAESTRUCTURA FÍSICA DE LA RAMA JUDICIAL COMO INSTRUMENTO ESTRATÉGICO DE ACCESO A LA JUSTICIA A NIVEL NACIONAL.		
CIUDAD: Ibagué	CALCULO: J.Y.C.A	FECHA: Abril 2025
ITEM:Descripciòn General	REVISÓ: J.Y.C.A	OBSERVACIONES:

DESCRIPCIÓN DEL PROYECTO

NOMBRE DEL PROYECTO: DISEÑO ESTRUCTURAL SISTEMA DE ALMACENAMIENTO
CIUDAD: Ibagué - Tolima
CALCULÓ: ING. JAIME YECID CHIA ANGARITA E.E
FECHA: Apr-25
LOCALIZACIÓN: Consejo Superior de la judicatura. Dirección Seccional de Administración Judicial Ibagué - Tolima.
SISTEMA ESTRUCTURAL: Estructura combinada donde tanto la resistencia de cargas sísmicas y las verticales consisten en un sistema de acero con perfiles de lámina doblada en frio y perfiles tubulares estructurales PTE que no cumplen los requisitos de F.2.2.4 para perfiles no esbeltos. Para estanterías de más de 2,44 m (8 pies) de altura, Ry = 4,0 en la dirección arriostrada y Rx =6,0 en la dirección no arriostrada.
CAPACIDAD DE DISIPACIÓN: DMO
NÙMERO DE PISOS: Sistema de almacenamiento de un nivel con dos diafragmas intermedios de almacenamiento.
LICENCIA CYPECAD 2025.e 108123

DESCRIPCIÓN: 	El sistema estructural utilizado para resistir cargas verticales y sísmicas es un sistema combinado cuyo sistema de resistencia de cargas sísmicas y verticales consiste en un sistema de acero con perfiles de lámina doblada en frio y perfiles tubulares estructurales PTE que no cumplen los requisitos de F.2.2.4 para perfiles no esbeltos. La losa de entrepiso consiste en una losa liviana con piso industrial grating que llevan las cargas a vigas PTE principales quienes transmiten las cargas a las columnas omega y estas a la cimentación. Para estanterías de más de 2,44 m (8 pies) de altura, Ry = 4,0 en la dirección arriostrada y Rx =6,0 en la dirección no arriostrada.		
	El método de diseño es el de resistencia ultima, el análisis estructural se realizó con el software CYPECAD v 2025.e		
	La cimentación se diseña con el software de elementos finitos CYPECAD v 2025.e y consiste en anclajes posinstalados sobre una placa de concreto existente f´c:21.0MPa y espesor de 30cm.		
PARAMETROS SÍSMICOS:	Método de análisis sísmico:	Método de análisis dinámico	
	Ubicación de la Estructura	Ibagué	
	Zona de Amenaza Sismica:	Intermedia	
	Aa	0,2	
	Av	0,2	
	Grupo de Uso:	II	
	Tipo de perfil de suelo:	D	
	Coeficiente de Importancia:	1,1	
ESPECIFICACIONES TÉCNICAS PARA MATERIALES:	CONCRETOS (f'c)	21.0 MPa	Losa existente de espesor de 30cm.
	ACERO (fy)	4200	Kgf/cm2
	Perfiles Metalicos ASTM - A 500 - GRADO C	3515	Kgf/cm2 NA
	Tipo de anclaje:	Posinstalado Químico	
Estudio de Suelos:			
NORMAS:	NSR10 – Normas Colombianas de Diseño y Construcción Sismo Resistente (Asociación Colombiana de Ingeniería Sísmica – AIS) Specification for the Design of Cold-Formed Steel Structural Members. American Iron and Steel Institute (AISI), Washington, D.C. Edición 2001. Specification for Structural Steel Buildings, Allowable Stress Design and Plastic Design, American Institute for Steel Construction (AISC), Chicago, IL, 9a. Edición 1989. Load and Resistance Factor Design Specification for Structural Steel Buildings, American Institute of Steel Construction (AISC), Chicago, IL, 3a. Edición 1999. Cold-Formed Steel Design Manual, American Iron and Steel Institute, Washington DC. Edición 2002. Norma Técnica Colombiana NTC 5689.		

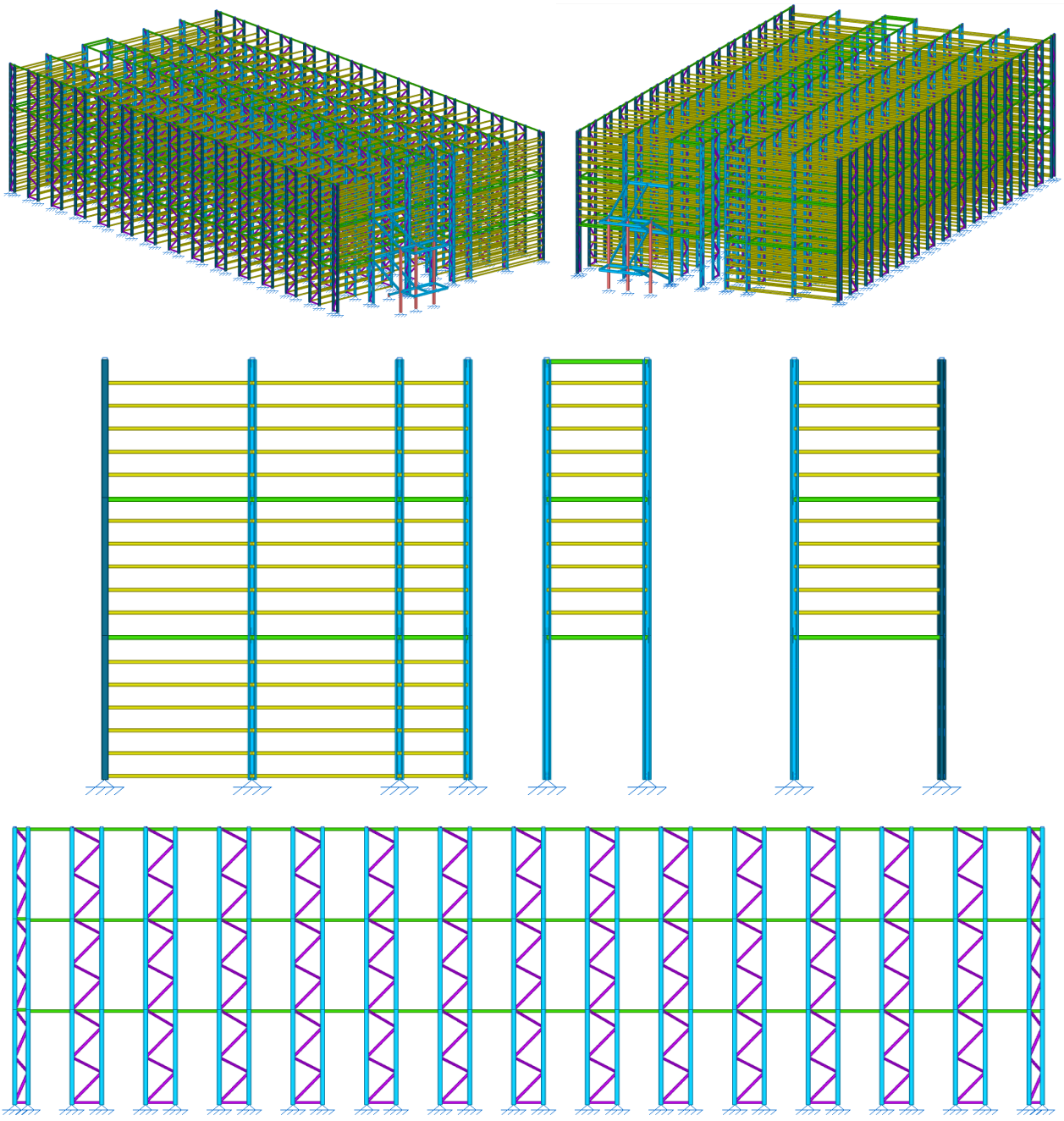
TEOFILO HUMBERTO RAMIREZ MONTEJO
INGENIERO CIVIL ESPECIALISTA EN ESTRUCTURAS

MEMORIA DE CALCULO ESTRUCTURAL PARA LA MODERNIZACIÓN DE LA INFRAESTRUCTURA FÍSICA DE LA RAMA JUDICIAL COMO INSTRUMENTO ESTRATÉGICO DE ACCESO A LA JUSTICIA A NIVEL NACIONAL.

CIUDAD: Ibague	CALCULÓ: J.Y.C.A	FECHA: Abril 2025
ITEM:Vista 3D	REVISÓ: J.Y.C.A	OBSERVACIONES:

DESCRIPCION DEL PROYECTO

3D VISTA



email: jaime.chia@hotmail.com
Direccion:Carrera 6 N°7-94 Choconta Cnd Tel. 3123970433

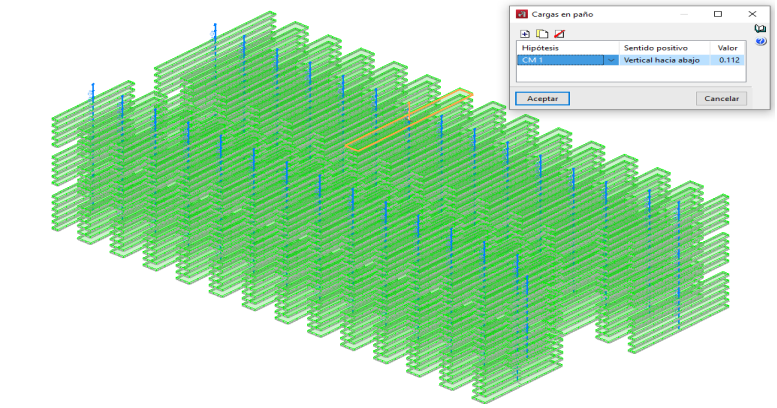
TEOFILO HUMBERTO RAMIREZ MONTEJO		
INGENIERO CIVIL ESPECIALISTA EN ESTRUCTURAS		
MEMORIA DE CALCULO ESTRUCTURAL PARA LA MODERNIZACIÓN DE LA INFRAESTRUCTURA FÍSICA DE LA RAMA JUDICIAL COMO INSTRUMENTO ESTRATÉGICO DE ACCESO A LA JUSTICIA A NIVEL NACIONAL.		
CIUDAD: Ibagué	CALCULÓ: J.Y.C.A	FECHA: Abril 2025
ITEM: Avaluo de Cargas	REVISÓ: J.Y.C.A	OBSERVACIONES:

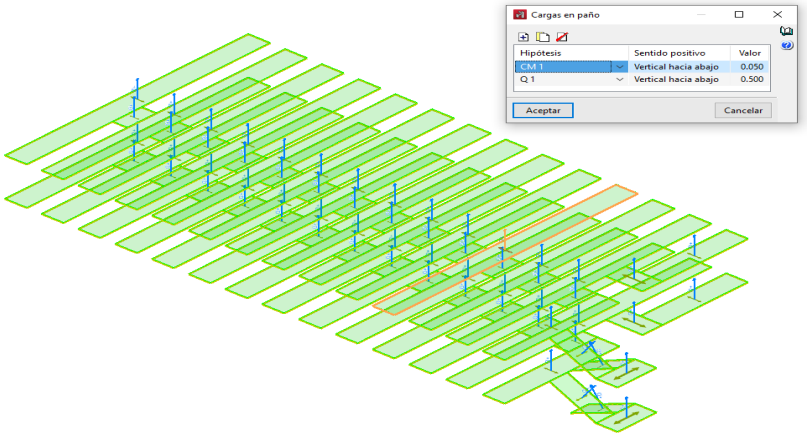
AVALUO DE CARGAS B.3.4.3 NRS-10

CARGAS MUERTAS SOBREPUESTAS PARA CORREDORES			
Piso industrial GRATING, incluidos accesorios de anclaje y redes	=	50 Kg/m2	0,51 KN/m2
Sumatoria		**50** kg/m2	**0,51** KN/m2
CARGAS MUERTAS SOBREPUESTAS PARA BANDEJAS DE ALMACENAMIENTO			
Bandejas de acero	=	12 Kg/m2	0,12 KN/m2
Cajas de almacenamiento	=	100 Kg/m2	1,02 KN/m2
Sumatoria		**112** kg/m2	**1,142** KN/m2

NOTA. El peso propio de vigas, porta bandejas y columnas es tomada automaticamente por el software de análisis estructural.

CARGAS VIVAS SOBREPUESTAS NRS-10 B.4.2.1			
Corredores	=	500 Kg/m2	4,903 KN/m2
Escaleras (Tabla B.4.2.1-1)	=	300 Kg/m2	2,942 KN/m2





TEOFILO HUMBERTO RAMIREZ MONTEJO
INGENIERO CIVIL ESPECIALISTA EN ESTRUCTURAS

MEMORIA DE CALCULO ESTRUCTURAL PARA LA MODERNIZACIÓN DE LA INFRAESTRUCTURA FÍSICA DE LA RAMA JUDICIAL COMO INSTRUMENTO ESTRATÉGICO DE ACCESO A LA JUSTICIA A NIVEL NACIONAL.

CIUDAD: Ibagué	CALCULÓ: J.Y.C.A	FECHA: Abril 2025
ITEM: Irregularidades	REVISÓ: J.Y.C.A	OBSERVACIONES:

CHEQUEO DE IRREGULARIDADES A.3-1 NSR-10

1. IRREGULARIDADES EN PLANTA

TIPO DE IRREGULARIDAD		ΦP	SI	NO	ΦP ADOPTADO
Irregularidad Torsional	1aP	0,9		X	1
Irregularidad Torsional Extrema	1bP	0,8		X	1
Retrocesos en las esquinas	2P	0,9		X	1
Irregularidad del Diafragma	3P	0,9		X	1
Desplazamiento de los Planos de Acción	4P	0,8		X	1
Sistemas no Paralelos	5P	0,9		X	1
		ΦP DEFINITIVO			1,0

2. IRREGULARIDADES EN ALTURA

TIPO DE IRREGULARIDAD		ΦA	SI	NO	ΦP ADOPTADO
Piso Flexible (Irregularidad en Rigidez)	1aA	0,9		X	1
Piso Flexible Extremo	1bA	0,8		X	1
Distribucion de Masa	2A	0,9		X	1
Irregularidad Geometrica	3A	0,9		X	1
Desplazamiento del Plano de Accion	4A	0,8		X	1
Piso Debil - Discontinuidad en la Resistencia	5aA	0,9		X	1
Piso Debil Extremo	5bA	0,8		X	1
		ΦP DEFINITIVO			1,0

SISTEMA ESTRUCTURAL	Coeficiente de Capacidad de Energia Ro.	Ωo
Pórtico resistente a momentos (x) DMO	6,0	3,0
Pórtico resistente a momentos (y) DMO	4,0	3,0

Rx=	Φp*Φa*Φr*Ro	NSR-10 A.3.3.3
Φa	1,0	
Φp	1,0	
Φr	1,0	
Ro	6,0	
R=	6,00	

Ry=	Φp*Φa*Φr*Ro	NSR-10 A.3.3.3
Φa	1,0	
Φp	1,0	
Φr	1,0	
Ro	4,0	
R=	4,0	

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1. DATOS DE OBRA

1.1. Normas consideradas

Acero conformado: AISI S100-2016 (LRFD)

Categoría de uso: General

1.2. Estados límite

E.L.U. de rotura. Acero conformado	AISI/NASPEC-2016 (LRFD) ASCE 7
Desplazamientos	Derivas

1.2.1. Situaciones de proyecto

Para las distintas situaciones de proyecto, las combinaciones de acciones se definirán de acuerdo con los siguientes criterios:

- Situaciones persistentes o transitorias

$$\sum_{j \geq 1} \gamma_{Gj} G_{kj} + \gamma_P P_k + \sum_{i \geq 1} \gamma_{Qi} Q_{ki}$$

- Situaciones sísmicas

$$\sum_{j \geq 1} \gamma_{Gj} G_{kj} + \gamma_P P_k + \gamma_{A_E} A_E + \sum_{i \geq 1} \gamma_{Qi} Q_{ki}$$

- Donde:

G_k Acción permanente
P_k Acción de pretensado
Q_k Acción variable
A_E Acción sísmica
γ_G Coeficiente parcial de seguridad de las acciones permanentes
γ_P Coeficiente parcial de seguridad de la acción de pretensado
$\gamma_{Q,1}$ Coeficiente parcial de seguridad de la acción variable principal
$\gamma_{Q,i}$ Coeficiente parcial de seguridad de las acciones variables de acompañamiento
γ_{AE} Coeficiente parcial de seguridad de la acción sísmica

Para cada situación de proyecto y estado límite los coeficientes a utilizar serán:

E.L.U. de rotura. Acero conformado: AISI S100-2016 (LRFD)

2.3.2 - [1] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.400	1.400
Sobrecarga (Q)		

2.3.2 - [2 Lr] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600

2.3.2 - [2 S] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600

2.3.2 - [3 Lr, L] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500

2.3.2 - [3 S, L] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500

2.3.2 - [3 Lr, W] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		

2.3.2 - [3 S, W] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		

2.3.2 - [4 Lr] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500

2.3.2 - [4 S] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500

2.3.2 - [5] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Sismo (E)	-1.000	1.000

Notas:
Las solicitaciones obtenidas de los resultados del análisis en cada una de las direcciones ortogonales se combinarán con el 30 % de los de la otra.

2.3.2 - [6] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		

2.3.2 - [7] (ASCE/SEI 7-10)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Sismo (E)	-1.000	1.000

Notas:
Las solicitaciones obtenidas de los resultados del análisis en cada una de las direcciones ortogonales se combinarán con el 30 % de los de la otra.

Desplazamientos

(C.9-1)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.400	1.400
Sobrecarga (Q)		

(C.9-2 Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600

(C.9-2 S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600

(C.9-3 Lr, L)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500

(C.9-3 S, L)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500

(C.9-3 Lr, W)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		

(C.9-3 S, W)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		

(C.9-4 Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500

(C.9-4 S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500

(C.9-5)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Sismo (E)	-1.000	1.000

(C.9-6)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		

(C.9-7)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Sismo (E)	-1.000	1.000

1.2.2. Combinaciones

- **Nombres de las hipótesis**

PP	Peso propio
CM 1	Bandejas
CM 2	Carga_Muerta_Pisos
Q 1	Carga_Viva_Almacenamiento
SX	Sismo X
SY	Sismo Y

- **E.L.U. de rotura. Acero conformado**

Comb.	PP	CM 1	CM 2	Q 1	SX	SY
1	1.400	1.400	1.400			
2	1.200	1.200	1.200			
3	1.200	1.200	1.200	1.600		
4	1.200	1.200	1.200		-0.300	-1.000
5	1.200	1.200	1.200	0.500	-0.300	-1.000
6	1.200	1.200	1.200		0.300	-1.000
7	1.200	1.200	1.200	0.500	0.300	-1.000
8	1.200	1.200	1.200		-1.000	-0.300
9	1.200	1.200	1.200	0.500	-1.000	-0.300
10	1.200	1.200	1.200		-1.000	0.300
11	1.200	1.200	1.200	0.500	-1.000	0.300
12	1.200	1.200	1.200		0.300	1.000
13	1.200	1.200	1.200	0.500	0.300	1.000
14	1.200	1.200	1.200		-0.300	1.000
15	1.200	1.200	1.200	0.500	-0.300	1.000
16	1.200	1.200	1.200		1.000	0.300
17	1.200	1.200	1.200	0.500	1.000	0.300
18	1.200	1.200	1.200		1.000	-0.300
19	1.200	1.200	1.200	0.500	1.000	-0.300
20	0.900	0.900	0.900			
21	0.900	0.900	0.900		-0.300	-1.000
22	0.900	0.900	0.900		0.300	-1.000
23	0.900	0.900	0.900		-1.000	-0.300
24	0.900	0.900	0.900		-1.000	0.300
25	0.900	0.900	0.900		0.300	1.000
26	0.900	0.900	0.900		-0.300	1.000
27	0.900	0.900	0.900		1.000	0.300
28	0.900	0.900	0.900		1.000	-0.300

- **Desplazamientos**

Comb.	PP	CM 1	CM 2	Q 1	SX	SY
1	1.400	1.400	1.400			
2	1.200	1.200	1.200			
3	1.200	1.200	1.200	1.600		
4	1.200	1.200	1.200		-1.000	
5	1.200	1.200	1.200	0.500	-1.000	
6	1.200	1.200	1.200		1.000	
7	1.200	1.200	1.200	0.500	1.000	
8	1.200	1.200	1.200			-1.000
9	1.200	1.200	1.200	0.500		-1.000
10	1.200	1.200	1.200			1.000
11	1.200	1.200	1.200	0.500		1.000
12	0.900	0.900	0.900			
13	0.900	0.900	0.900		-1.000	
14	0.900	0.900	0.900		1.000	
15	0.900	0.900	0.900			-1.000
16	0.900	0.900	0.900			1.000

1.3. Sismo

Norma utilizada: NSR-10
Reglamento Colombiano de Construcción Sismo Resistente (2010)

Método de cálculo: Análisis dinámico espectral (NSR-10, A.3.4.2.2)

1.3.1. Datos generales de sismo

Caracterización del emplazamiento

A_a: Aceleración horizontal pico efectiva (NSR-10, A.2.2) A_a : 0.20 g

A_v: Velocidad horizontal pico efectiva (NSR-10, A.2.2) A_v : 0.20 g

V_m: Velocidad media de onda de cortante (NSR-10, A.2.4.3) V_m : 350.00 m/s

Sistema estructural

R_{ox}: Coeficiente de disipación de energía básico (X) (NSR-10, A.3) R_{ox} : 6.00

R_{oy}: Coeficiente de disipación de energía básico (Y) (NSR-10, A.3) R_{oy} : 4.00

Φ_a: Coeficiente de irregularidad en altura (NSR-10, A.3.3.5) Φ_a : 1.00

Φ_p: Coeficiente de irregularidad en planta (NSR-10, A.3.3.4) Φ_p : 1.00

Φ_{rx}: Coeficiente por ausencia de redundancia (X) (NSR-10, A.3.3.8) Φ_{rx} : 1.00

Φ_{ry}: Coeficiente por ausencia de redundancia (Y) (NSR-10, A.3.3.8) Φ_{ry} : 1.00

Geometría en altura (NSR-10, A.3.3.4 y A.3.3.5): Regular

Tipo de edificación (NSR-10, A.2.5): II

Parámetros de cálculo

Número de modos de vibración que intervienen en el análisis: Según norma

Fracción de sobrecarga de uso : 0.00

Fracción de sobrecarga de nieve : 0.00

Factor multiplicador del espectro : 1.00

Efectos de la componente sísmica vertical

No se consideran

Se realiza análisis de los efectos de 2° orden

Valor para multiplicar los desplazamientos 1.10

Direcciones de análisis

Acción sísmica según X

Acción sísmica según Y

1.4. Análisis de la estabilidad global

Para el análisis de la estabilidad global se ha considerado que los desplazamientos reales de la estructura son los considerados en el cálculo multiplicados por:

Sismo X	1.10
Sismo Y	1.10

Número de hipótesis gravitatorias: 4

Número de hipótesis con análisis dinámico: 2

Número de modos analizados en segundo orden: 2

El momento de vuelco producido por las acciones horizontales en las distintas hipótesis es:

	t·m
Modo 1	59.612(Dir.X), 74.515(Dir.Y)
Modo 4	0.030(Dir.X), 0.037(Dir.Y)

El momento por efecto P-delta producido por las distintas hipótesis de carga gravitatoria bajo la actuación simultánea de las hipótesis de acciones horizontales es:

	Peso propio t·m	CM 1 t·m	CM 2 t·m	Q 1 t·m
Modo 1	1.243(Dir.X), 1.553(Dir.Y)	9.848(Dir.X), 12.311(Dir.Y)	0.000(Dir.X), 0.000(Dir.Y)	10.499(Dir.X), 13.124(Dir.Y)
Modo 4	0.000(Dir.X), 0.000(Dir.Y)	0.001(Dir.X), 0.001(Dir.Y)	0.000(Dir.X), 0.000(Dir.Y)	0.003(Dir.X), 0.003(Dir.Y)

Las acciones horizontales se ven incrementadas por la actuación simultánea de las acciones gravitatorias según los siguientes factores de amplificación (FA):

	Peso propio	CM 1	CM 2	Q 1
Modo 1	0.021	0.165	0.000	0.176
Modo 4	0.009	0.035	0.000	0.086

Cuando en una combinación actúe una acción horizontal con un coeficiente de mayoración Fv y varias acciones gravitatorias con coeficientes de mayoración Fg1...Fgn, el coeficiente de mayoración de la acción horizontal se tomará como:

$$Fv\ (\text{estabilidad global}) = Fv \cdot \frac{1}{1-(Fg1 \cdot FA1+...+Fgn \cdot FAn)}$$

En el caso de sismo se realiza una combinación cuadrática completa, con lo que no tiene sentido la relación entre el coeficiente de mayoración amplificado y el coeficiente de mayoración sin amplificar.

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SISMO

Norma utilizada: NSR-10
Reglamento Colombiano de Construcción Sismo Resistente (2010)

Método de cálculo: Análisis dinámico espectral (NSR-10, A.3.4.2.2)

1.1. Datos generales de sismo

Caracterización del emplazamiento

A_a: Aceleración horizontal pico efectiva (NSR-10, A.2.2) — A_a : *0.20* g
A_v: Velocidad horizontal pico efectiva (NSR-10, A.2.2) — A_v : *0.20* g
V_m: Velocidad media de onda de cortante (NSR-10, A.2.4.3) — V_m : *350.00* m/s

Sistema estructural

R_{0x}: Coeficiente de disipación de energía básico (X) (NSR-10, A.3) — R_{0x} : *6.00*
R_{0y}: Coeficiente de disipación de energía básico (Y) (NSR-10, A.3) — R_{0y} : *4.00*
Φ_a: Coeficiente de irregularidad en altura (NSR-10, A.3.3.5) — Φ_a : *1.00*
Φ_p: Coeficiente de irregularidad en planta (NSR-10, A.3.3.4) — Φ_p : *1.00*
Φ_{rx}: Coeficiente por ausencia de redundancia (X) (NSR-10, A.3.3.8) — Φ_{rx} : *1.00*
Φ_{ry}: Coeficiente por ausencia de redundancia (Y) (NSR-10, A.3.3.8) — Φ_{ry} : *1.00*
Geometría en altura (NSR-10, A.3.3.4 y A.3.3.5): Regular

Tipo de edificación (NSR-10, A.2.5): II

Parámetros de cálculo

Número de modos de vibración que intervienen en el análisis: Según norma
Fracción de sobrecarga de uso : *0.00*
Fracción de sobrecarga de nieve : *0.00*
Factor multiplicador del espectro : *1.00*

Efectos de la componente sísmica vertical

No se consideran

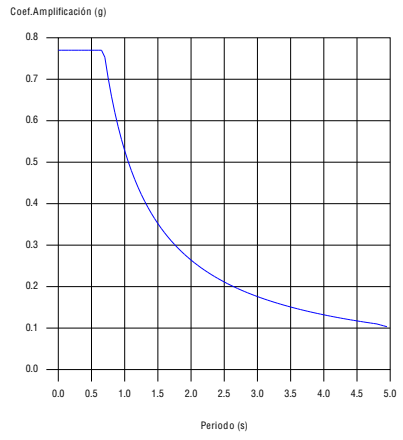
Se realiza análisis de los efectos de 2° orden
Valor para multiplicar los desplazamientos 1.10

Direcciones de análisis

Acción sísmica según X
Acción sísmica según Y

1.2. Espectro de cálculo

1.2.1. Espectro elástico de aceleraciones



Coef.Amplificación:

$$S_{ae} = 2.5 \cdot A_a \cdot F_a \cdot I \qquad T \le T_C$$

$$S_{ae} = \frac{1.2 \cdot A_v \cdot F_v \cdot I}{T} \qquad T_C \le T \le T_L$$

$$S_{ae} = \frac{1.2 \cdot A_v \cdot F_v \cdot T_L \cdot I}{T^2} \qquad T \ge T_L$$

El valor máximo de las ordenadas espectrales es 0.770 g.

NSR-10 (A.2.6.1)

Parámetros necesarios para la definición del espectro

A_a: Aceleración horizontal pico efectiva (NSR-10, A.2.2) — A_a : *0.20* g
A_v: Velocidad horizontal pico efectiva (NSR-10, A.2.2) — A_v : *0.20* g

F_a: Coeficiente de amplificación de la aceleración en zona de periodos cortos (NSR-10, Tabla A.2.4-3) — F_a : *1.40*
Tipo de perfil de suelo (NSR-10, A.2.4) — **Suelo** : *D*
A_a: Aceleración horizontal pico efectiva (NSR-10, A.2.2) — A_a : *0.20* g

F_v: Coeficiente de amplificación de la aceleración en zona de periodos intermedios (NSR-10, Tabla A.2.4-4) — F_v : *2.00*
Tipo de perfil de suelo (NSR-10, A.2.4) — **Suelo** : *D*
A_v: Velocidad horizontal pico efectiva (NSR-10, A.2.2) — A_v : *0.20* g

I: Coeficiente de importancia (NSR-10, A.2.5) — **I** : *1.10*
Tipo de edificación: II

T_c: Periodo correspondiente a la transición entre la zona de aceleración constante y la parte descendente del mismo (NSR-10, A.2.6.1) — T_c : *0.69* s

$$T_C = 0.48 \frac{A_v \cdot F_v}{A_a \cdot F_a}$$

T_l: Periodo correspondiente al inicio de la zona de desplazamiento aproximadamente constante (NSR-10, A.2.6.1) — T_l : *4.80* s

$$T_L = 2.4 \cdot F_v$$

1.2.2. Espectro de diseño de aceleraciones

El espectro de diseño sísmico se obtiene reduciendo el espectro elástico por el coeficiente (R) correspondiente a cada dirección de análisis.

$$S_a = \frac{S_{ae}}{R} \qquad R \geq 1$$

Coeficiente de capacidad de disipación de energía (NSR-10, A.3.3.3)

R_X: Coeficiente de capacidad de disipación de energía de diseño (X)

$$R_X = MIN(R_{Xi}, 1.25 \cdot R_{Yi})$$

R_Y: Coeficiente de capacidad de disipación de energía de diseño (Y)

$$R_Y = MIN(R_{Yi}, 1.25 \cdot R_{Xi})$$

R_{Xi}: Coeficiente de capacidad de disipación de energía (X) — **R_{Xi} :** *6.00*

$$R_X = \phi_a \cdot \phi_p \cdot \phi_r \cdot R_{0X}$$

R_{Yi}: Coeficiente de capacidad de disipación de energía (Y) — **R_{Yi} :** *4.00*

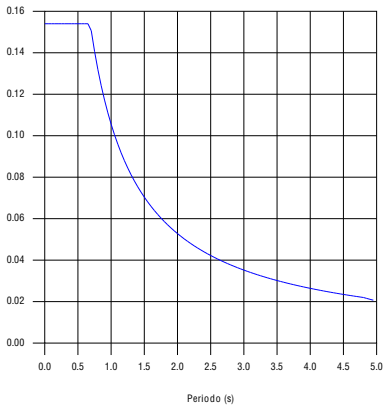
$$R_Y = \phi_a \cdot \phi_p \cdot \phi_r \cdot R_{0Y}$$

Donde:

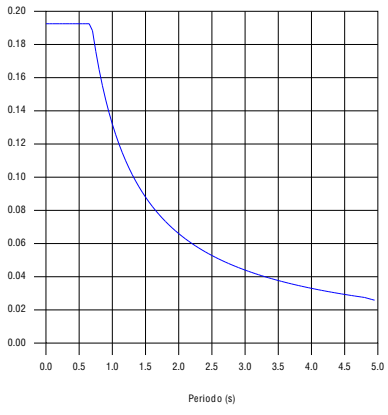
- **R_{0X}:** Coeficiente de disipación de energía básico (X) (NSR-10, A.3) — **R_{0X} :** *6.00*
- **R_{0Y}:** Coeficiente de disipación de energía básico (Y) (NSR-10, A.3) — **R_{0Y} :** *4.00*
- **Φ_a:** Coeficiente de irregularidad en altura (NSR-10, A.3.3.5) — **Φ_a :** *1.00*
- **Φ_p:** Coeficiente de irregularidad en planta (NSR-10, A.3.3.4) — **Φ_p :** *1.00*
- **Φ_{rx}:** Coeficiente por ausencia de redundancia (X) (NSR-10, A.3.3.8) — **Φ_{rx} :** *1.00*
- **Φ_{ry}:** Coeficiente por ausencia de redundancia (Y) (NSR-10, A.3.3.8) — **Φ_{ry} :** *1.00*

NSR-10 (A.3.7)

Espectro de diseño según X



Espectro de diseño según Y



1.3. Coeficientes de participación

Modo	T	L_x	L_y	M_x	M_y	Hipótesis X(1)	Hipótesis Y(1)
Modo 1	1.787	1	0.0014	91.64 %	0 %	R = 5 A = 0.58 m/s² D = 46.9016 mm	R = 4 A = 0.725 m/s² D = 58.627 mm
Modo 2	1.529	0.9999	0.0126	0.44 %	0 %	R = 5 A = 0.678 m/s² D = 40.1365 mm	R = 4 A = 0.847 m/s² D = 50.1706 mm
Modo 3	1.186	0.9998	0.02	1.12 %	0 %	R = 5 A = 0.874 m/s² D = 31.1357 mm	R = 4 A = 1.092 m/s² D = 38.9196 mm
Modo 4	0.918	0.9978	0.0658	0.02 %	0 %	R = 5 A = 1.129 m/s² D = 24.1097 mm	R = 4 A = 1.411 m/s² D = 30.1371 mm
Modo 5	0.719	0.9971	0.0762	0.06 %	0 %	R = 5 A = 1.442 m/s² D = 18.8966 mm	R = 4 A = 1.802 m/s² D = 23.6207 mm
Modo 6	0.585	0.9699	0.2436	0 %	0 %	R = 5 A = 1.511 m/s² D = 13.0956 mm	R = 4 A = 1.888 m/s² D = 16.3694 mm
Modo 7	0.493	0.9989	0.0465	0.02 %	0 %	R = 5 A = 1.511 m/s² D = 9.30184 mm	R = 4 A = 1.888 m/s² D = 11.6273 mm
Modo 8	0.464	0.9434	0.3316	0.01 %	0.01 %	R = 5 A = 1.511 m/s² D = 8.23665 mm	R = 4 A = 1.888 m/s² D = 10.2958 mm
Modo 9	0.434	1	0.0006	2.86 %	0 %	R = 5 A = 1.511 m/s² D = 7.19599 mm	R = 4 A = 1.888 m/s² D = 8.99499 mm
Modo 10	0.432	0.9986	0.0521	1.27 %	0.03 %	R = 5 A = 1.511 m/s² D = 7.14222 mm	R = 4 A = 1.888 m/s² D = 8.92778 mm
Modo 11	0.420	0.9956	0.0941	0.01 %	0 %	R = 5 A = 1.511 m/s² D = 6.76428 mm	R = 4 A = 1.888 m/s² D = 8.45535 mm
Modo 12	0.408	0.9968	0.0802	0 %	0 %	R = 5 A = 1.511 m/s² D = 6.37492 mm	R = 4 A = 1.888 m/s² D = 7.96865 mm
Modo 13	0.402	1	0.0032	0.39 %	0 %	R = 5 A = 1.511 m/s² D = 6.19903 mm	R = 4 A = 1.888 m/s² D = 7.74879 mm
Modo 14	0.378	0.9844	0.1759	0.01 %	0 %	R = 5 A = 1.511 m/s² D = 5.4599 mm	R = 4 A = 1.888 m/s² D = 6.82487 mm
Modo 15	0.352	0.9903	0.1392	0.02 %	0 %	R = 5 A = 1.511 m/s² D = 4.74819 mm	R = 4 A = 1.888 m/s² D = 5.93524 mm
Modo 16	0.349	0.9982	0.0592	0.04 %	0 %	R = 5 A = 1.511 m/s² D = 4.66831 mm	R = 4 A = 1.888 m/s² D = 5.83539 mm
Modo 17	0.325	0.9698	0.2437	0.02 %	0.01 %	R = 5 A = 1.511 m/s² D = 4.03526 mm	R = 4 A = 1.888 m/s² D = 5.04407 mm
Modo 18	0.305	0.9736	0.2283	0.01 %	0 %	R = 5 A = 1.511 m/s² D = 3.56501 mm	R = 4 A = 1.888 m/s² D = 4.45626 mm
Modo 19	0.299	0.9785	0.2065	0.02 %	0.01 %	R = 5 A = 1.511 m/s² D = 3.4322 mm	R = 4 A = 1.888 m/s² D = 4.29025 mm
Modo 20	0.278	0.0147	0.9999	0 %	42.03 %	R = 5 A = 1.511 m/s² D = 2.9518 mm	R = 4 A = 1.888 m/s² D = 3.68975 mm
Modo 21	0.276	0.1307	0.9914	0 %	1.69 %	R = 5 A = 1.511 m/s² D = 2.92561 mm	R = 4 A = 1.888 m/s² D = 3.65701 mm
Modo 22	0.271	0.0119	0.9999	0 %	22.88 %	R = 5 A = 1.511 m/s² D = 2.81888 mm	R = 4 A = 1.888 m/s² D = 3.5236 mm
Modo 23	0.270	0.08	0.9968	0 %	0.68 %	R = 5 A = 1.511 m/s² D = 2.78279 mm	R = 4 A = 1.888 m/s² D = 3.47849 mm
Modo 24	0.258	0.5298	0.8481	0.01 %	0.14 %	R = 5 A = 1.511 m/s² D = 2.54545 mm	R = 4 A = 1.888 m/s² D = 3.18182 mm
Modo 25	0.245	0.9245	0.3811	0 %	0.01 %	R = 5 A = 1.511 m/s² D = 2.29363 mm	R = 4 A = 1.888 m/s² D = 2.86704 mm
Modo 26	0.241	0.9904	0.1383	0.01 %	0 %	R = 5 A = 1.511 m/s² D = 2.23167 mm	R = 4 A = 1.888 m/s² D = 2.78959 mm
Modo 27	0.229	0.9995	0.0304	0 %	0 %	R = 5 A = 1.511 m/s² D = 2.00305 mm	R = 4 A = 1.888 m/s² D = 2.50382 mm
Modo 28	0.221	0.953	0.3031	0.01 %	0 %	R = 5 A = 1.511 m/s² D = 1.87274 mm	R = 4 A = 1.888 m/s² D = 2.34093 mm
Modo 29	0.214	0.9311	0.3647	0 %	0 %	R = 5 A = 1.511 m/s² D = 1.75477 mm	R = 4 A = 1.888 m/s² D = 2.19347 mm
Modo 30	0.205	0.9999	0.0119	0.01 %	0 %	R = 5 A = 1.511 m/s² D = 1.60639 mm	R = 4 A = 1.888 m/s² D = 2.00799 mm
Modo 31	0.198	0.9699	0.2434	0.16 %	0.07 %	R = 5 A = 1.511 m/s² D = 1.49811 mm	R = 4 A = 1.888 m/s² D = 1.87264 mm
Modo 32	0.194	0.4057	0.914	0.03 %	1.29 %	R = 5 A = 1.511 m/s² D = 1.43866 mm	R = 4 A = 1.888 m/s² D = 1.79832 mm
Modo 33	0.193	0.1179	0.993	0.04 %	20.93 %	R = 5 A = 1.511 m/s² D = 1.42561 mm	R = 4 A = 1.888 m/s² D = 1.78201 mm
Modo 34	0.193	0.6517	0.7585	0.31 %	3.06 %	R = 5 A = 1.511 m/s² D = 1.41986 mm	R = 4 A = 1.888 m/s² D = 1.77482 mm
Total				98.54 %	92.84 %		

T: Periodo de vibración en segundos.

L_x, L_y: Coeficientes de participación normalizados en cada dirección del análisis.

M_x, M_y: Porcentaje de masa desplazada por cada modo en cada dirección del análisis.

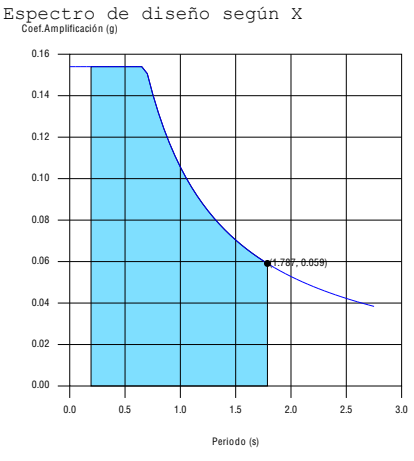
R: Relación entre la aceleración de cálculo usando la ductilidad asignada a la estructura y la aceleración de cálculo obtenida sin ductilidad.

A: Aceleración de cálculo, incluyendo la ductilidad.

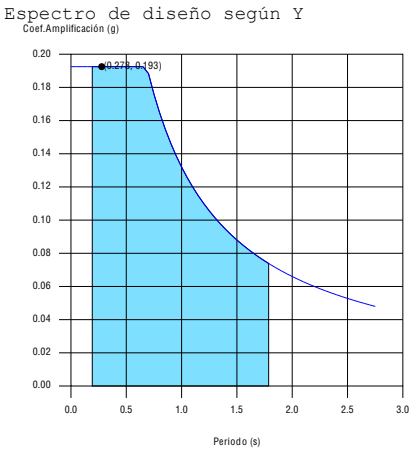
D: Coeficiente del modo. Equivale al desplazamiento máximo del grado de libertad dinámico.

Representación de los periodos modales

Espectro de diseño según X



Espectro de diseño según Y



Se representa el rango de periodos abarcado por los modos estudiados, con indicación de los modos en los que se desplaza más del 30% de la masa:

Hipótesis Sismo X1		
Hipótesis modal	T (s)	A (g)
Modo 1	1.787	0.059

Hipótesis Sismo Y1		
Hipótesis modal	T (s)	A (g)
Modo 20	0.278	0.193

ÍNDICE

1. ESTRUCTURA 2

1.1. Geometría 2

1.1.1. Barras 2

1. ESTRUCTURA

1.1. Geometría

1.1.1. Barras

1.1.1.1. Materiales utilizados

Materiales utilizados

Material		E (kp/cm²)	ν	G (kp/cm²)	f_y (kp/cm²)	α_t (m/m°C)	γ (t/m³)
Tipo	Designación						
Acero conformado	A572 50ksi	2069317.0	0.300	795891.2	3516.8	0.000012	7.850

Notación:
E: Módulo de elasticidad
ν: Módulo de Poisson
G: Módulo de cortadura
f_y: Límite elástico
α_t: Coeficiente de dilatación
γ: Peso específico

1.1.1.2. Descripción

Descripción

Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
Acero conformado	A572 50ksi	N1/N2	N1/N8	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2/N3	N1/N8	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3/N4	N1/N8	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4/N5	N1/N8	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5/N6	N1/N8	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N6/N7	N1/N8	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N7/N8	N1/N8	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N8/N9	N8/N14	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N9/N10	N8/N14	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N10/N11	N8/N14	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N11/N12	N8/N14	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N12/N13	N8/N14	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N13/N14	N8/N14	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N14/N15	N14/N20	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N15/N16	N14/N20	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N16/N17	N14/N20	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N17/N18	N14/N20	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N18/N19	N14/N20	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N19/N20	N14/N20	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N21/N22	N21/N28	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N22/N23	N21/N28	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N23/N24	N21/N28	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N24/N25	N21/N28	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N25/N26	N21/N28	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N26/N27	N21/N28	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N27/N28	N21/N28	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N28/N29	N28/N34	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N29/N30	N28/N34	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N30/N31	N28/N34	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N31/N32	N28/N34	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N32/N33	N28/N34	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N33/N34	N28/N34	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N34/N35	N34/N40	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N35/N36	N34/N40	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N36/N37	N34/N40	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N37/N38	N34/N40	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N38/N39	N34/N40	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N39/N40	N34/N40	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N41/N42	N41/N48	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N42/N43	N41/N48	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N43/N44	N41/N48	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N44/N1226	N41/N48	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1226/N45	N41/N48	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N45/N46	N41/N48	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N46/N47	N41/N48	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N47/N1228	N41/N48	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.12	-	-
		N1228/N48	N41/N48	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.06	-	-
		N48/N49	N48/N54	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N49/N50	N48/N54	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N50/N1250	N48/N54	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1250/N51	N48/N54	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N51/N52	N48/N54	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N52/N53	N48/N54	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N53/N1252	N48/N54	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.15	-	-
		N1252/N54	N48/N54	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.24	-	-
		N54/N55	N54/N60	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N55/N56	N54/N60	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N56/N1254	N54/N60	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1254/N57	N54/N60	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N57/N58	N54/N60	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N58/N59	N54/N60	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N59/N1256	N54/N60	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.12	-	-
		N1256/N60	N54/N60	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.09	-	-
		N61/N62	N61/N68	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N62/N63	N61/N68	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N63/N1225	N61/N68	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1225/N64	N61/N68	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N64/N65	N61/N68	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N65/N66	N61/N68	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N66/N1227	N61/N68	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1227/N67	N61/N68	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N67/N68	N61/N68	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N68/N69	N68/N74	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N69/N1249	N68/N74	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1249/N70	N68/N74	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N70/N71	N68/N74	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N71/N72	N68/N74	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N72/N1251	N68/N74	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1251/N73	N68/N74	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N73/N74	N68/N74	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N74/N75	N74/N80	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N75/N1253	N74/N80	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1253/N76	N74/N80	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N76/N77	N74/N80	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N77/N78	N74/N80	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N78/N1255	N74/N80	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1255/N79	N74/N80	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N79/N80	N74/N80	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N81/N82	N81/N88	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N82/N83	N81/N88	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N83/N84	N81/N88	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N84/N1274	N81/N88	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1274/N85	N81/N88	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N85/N86	N81/N88	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N86/N87	N81/N88	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N87/N1276	N81/N88	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.12	-	-
		N1276/N88	N81/N88	G 100x50x25x130x2.0 (G)	-	0.070	-	7.14	7.05	-	-
		N88/N89	N88/N94	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.97	-	-
		N89/N90	N88/N94	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N90/N1298	N88/N94	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1298/N91	N88/N94	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N91/N92	N88/N94	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N92/N93	N88/N94	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N93/N1300	N88/N94	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.15	-	-
		N1300/N94	N88/N94	G 100x50x25x130x2.0 (G)	-	0.070	-	6.30	6.23	-	-
		N94/N95	N94/N100	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.97	-	-
		N95/N96	N94/N100	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N96/N1302	N94/N100	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1302/N97	N94/N100	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N97/N98	N94/N100	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N98/N99	N94/N100	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N99/N1304	N94/N100	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.12	-	-
		N1304/N100	N94/N100	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.09	-	-
		N101/N102	N101/N108	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N102/N103	N101/N108	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N103/N1273	N101/N108	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1273/N104	N101/N108	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N104/N105	N101/N108	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N105/N106	N101/N108	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N106/N1275	N101/N108	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1275/N107	N101/N108	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N107/N108	N101/N108	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N108/N109	N108/N114	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.97	-	-
		N109/N1297	N108/N114	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1297/N110	N108/N114	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N110/N111	N108/N114	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N111/N112	N108/N114	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N112/N1299	N108/N114	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1299/N113	N108/N114	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N113/N114	N108/N114	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.98	0.97	-	-
		N114/N115	N114/N120	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.97	-	-
		N115/N1301	N114/N120	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1301/N116	N114/N120	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N116/N117	N114/N120	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N117/N118	N114/N120	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N118/N1303	N114/N120	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1303/N119	N114/N120	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N119/N120	N114/N120	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N161/N162	N161/N168	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N162/N163	N161/N168	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N163/N164	N161/N168	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N164/N1346	N161/N168	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1346/N165	N161/N168	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N165/N166	N161/N168	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N166/N167	N161/N168	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N167/N1348	N161/N168	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.12	-	-
		N1348/N168	N161/N168	G 100x50x25x130x2.0 (G)	-	0.070	-	7.14	7.06	-	-
		N168/N169	N168/N174	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.97	-	-
		N169/N170	N168/N174	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N170/N1370	N168/N174	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1370/N171	N168/N174	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N171/N172	N168/N174	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N172/N173	N168/N174	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N173/N1372	N168/N174	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.15	-	-
		N1372/N174	N168/N174	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.24	-	-
		N174/N175	N174/N180	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.97	-	-
		N175/N176	N174/N180	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N176/N1374	N174/N180	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1374/N177	N174/N180	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N177/N178	N174/N180	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N178/N179	N174/N180	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N179/N1376	N174/N180	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.12	-	-
		N1376/N180	N174/N180	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.09	-	-
		N181/N182	N181/N188	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N182/N183	N181/N188	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N183/N1345	N181/N188	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1345/N184	N181/N188	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N184/N185	N181/N188	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N185/N186	N181/N188	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N186/N1347	N181/N188	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1347/N187	N181/N188	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N187/N188	N181/N188	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N188/N189	N188/N194	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N189/N1369	N188/N194	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1369/N190	N188/N194	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N190/N191	N188/N194	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N191/N192	N188/N194	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N192/N1371	N188/N194	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1371/N193	N188/N194	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N193/N194	N188/N194	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N194/N195	N194/N200	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N195/N1373	N194/N200	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1373/N196	N194/N200	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N196/N197	N194/N200	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N197/N198	N194/N200	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N198/N1375	N194/N200	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1375/N199	N194/N200	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N199/N200	N194/N200	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N241/N242	N241/N248	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N242/N243	N241/N248	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N243/N244	N241/N248	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N244/N1442	N241/N248	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1442/N245	N241/N248	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N245/N246	N241/N248	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N246/N247	N241/N248	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N247/N1444	N241/N248	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.12	-	-
		N1444/N248	N241/N248	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.05	-	-
		N248/N249	N248/N254	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N249/N250	N248/N254	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N250/N1466	N248/N254	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1466/N251	N248/N254	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N251/N252	N248/N254	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N252/N253	N248/N254	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N253/N1468	N248/N254	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.15	-	-
		N1468/N254	N248/N254	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.23	-	-
		N254/N255	N254/N260	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N255/N256	N254/N260	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N256/N1470	N254/N260	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1470/N257	N254/N260	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N257/N258	N254/N260	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N258/N259	N254/N260	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N259/N1472	N254/N260	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.12	-	-
		N1472/N260	N254/N260	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.09	-	-
		N261/N262	N261/N268	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N262/N263	N261/N268	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N263/N1441	N261/N268	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1441/N264	N261/N268	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N264/N265	N261/N268	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N265/N266	N261/N268	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N266/N1443	N261/N268	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1443/N267	N261/N268	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N267/N268	N261/N268	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N268/N269	N268/N274	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N269/N1465	N268/N274	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1465/N270	N268/N274	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N270/N271	N268/N274	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N271/N272	N268/N274	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N272/N1467	N268/N274	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1467/N273	N268/N274	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N273/N274	N268/N274	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N274/N275	N274/N280	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N275/N1469	N274/N280	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1469/N276	N274/N280	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N276/N277	N274/N280	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N277/N278	N274/N280	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N278/N1471	N274/N280	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1471/N279	N274/N280	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N279/N280	N274/N280	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N28/N8	N28/N8	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N28/N48	N28/N48	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N48/N68	N48/N68	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N8/N68	N8/N68	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N48/N88	N48/N88	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N88/N108	N88/N108	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N68/N108	N68/N108	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N88/N128	N88/N128	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N108/N148	N108/N148	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N128/N148	N128/N148	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N128/N168	N128/N168	40x80x2 (#)	0.065	1.110	0.065	0.00	0.00	-	-
		N168/N188	N168/N188	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N188/N228	N188/N228	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N208/N228	N208/N228	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N168/N208	N168/N208	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N228/N268	N228/N268	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N248/N268	N248/N268	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N208/N248	N208/N248	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N268/N308	N268/N308	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N288/N308	N288/N308	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N248/N288	N248/N288	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N34/N14	N34/N14	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N14/N74	N14/N74	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N34/N54	N34/N54	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N54/N74	N54/N74	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N54/N94	N54/N94	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N74/N114	N74/N114	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N94/N114	N94/N114	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N94/N134	N94/N134	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N114/N154	N114/N154	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N134/N154	N134/N154	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N134/N174	N134/N174	40x80x2 (#)	0.065	1.110	0.065	0.00	0.00	-	-
		N174/N214	N174/N214	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N194/N234	N194/N234	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N214/N234	N214/N234	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N234/N274	N234/N274	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N254/N274	N254/N274	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N214/N254	N214/N254	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N254/N294	N254/N294	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N274/N314	N274/N314	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N294/N314	N294/N314	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N174/N194	N174/N194	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N40/N20	N40/N20	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N60/N80	N60/N80	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N100/N120	N100/N120	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N140/N160	N140/N160	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N220/N240	N220/N240	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N260/N280	N260/N280	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N300/N320	N300/N320	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N180/N200	N180/N200	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N22/N42	N22/N42	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N23/N43	N23/N43	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N24/N44	N24/N44	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N25/N45	N25/N45	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N26/N46	N26/N46	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N27/N47	N27/N47	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N42/N82	N42/N82	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N43/N83	N43/N83	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N44/N84	N44/N84	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N45/N85	N45/N85	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N46/N86	N46/N86	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N47/N87	N47/N87	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N82/N122	N82/N122	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N83/N123	N83/N123	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N84/N124	N84/N124	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N85/N125	N85/N125	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N86/N126	N86/N126	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N87/N127	N87/N127	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N202/N242	N202/N242	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N203/N243	N203/N243	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N204/N244	N204/N244	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N205/N245	N205/N245	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N206/N246	N206/N246	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N207/N247	N207/N247	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N242/N282	N242/N282	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N243/N283	N243/N283	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N244/N284	N244/N284	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N245/N285	N245/N285	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N246/N286	N246/N286	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N247/N287	N247/N287	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N249/N289	N249/N289	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N250/N290	N250/N290	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N252/N292	N252/N292	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N253/N293	N253/N293	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N251/N291	N251/N291	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N209/N249	N209/N249	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N210/N250	N210/N250	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N212/N252	N212/N252	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N213/N253	N213/N253	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N211/N251	N211/N251	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N89/N129	N89/N129	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N90/N130	N90/N130	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N92/N132	N92/N132	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N93/N133	N93/N133	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N91/N131	N91/N131	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N49/N89	N49/N89	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N50/N90	N50/N90	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N52/N92	N52/N92	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N53/N93	N53/N93	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N51/N91	N51/N91	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N29/N49	N29/N49	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N30/N50	N30/N50	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N32/N52	N32/N52	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N33/N53	N33/N53	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N31/N51	N31/N51	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N37/N57	N37/N57	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N38/N58	N38/N58	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N39/N59	N39/N59	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N36/N56	N36/N56	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N35/N55	N35/N55	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N57/N97	N57/N97	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N58/N98	N58/N98	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N59/N99	N59/N99	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N56/N96	N56/N96	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N55/N95	N55/N95	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N97/N137	N97/N137	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N98/N138	N98/N138	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N99/N139	N99/N139	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N96/N136	N96/N136	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N95/N135	N95/N135	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N217/N257	N217/N257	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N218/N258	N218/N258	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N219/N259	N219/N259	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N216/N256	N216/N256	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N215/N255	N215/N255	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N257/N297	N257/N297	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N259/N299	N259/N299	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N258/N298	N258/N298	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N255/N295	N255/N295	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N256/N296	N256/N296	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2/N62	N2/N62	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3/N63	N3/N63	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4/N64	N4/N64	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5/N65	N5/N65	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N6/N66	N6/N66	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N7/N67	N7/N67	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N62/N102	N62/N102	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N63/N103	N63/N103	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N64/N104	N64/N104	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N65/N105	N65/N105	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N66/N106	N66/N106	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N67/N107	N67/N107	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N102/N142	N102/N142	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N103/N143	N103/N143	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N104/N144	N104/N144	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N105/N145	N105/N145	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N106/N146	N106/N146	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N107/N147	N107/N147	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N222/N262	N222/N262	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N223/N263	N223/N263	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N224/N264	N224/N264	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N225/N265	N225/N265	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N226/N266	N226/N266	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N227/N267	N227/N267	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N262/N302	N262/N302	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N263/N303	N263/N303	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N264/N304	N264/N304	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N265/N305	N265/N305	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N266/N306	N266/N306	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N267/N307	N267/N307	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N269/N309	N269/N309	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N270/N310	N270/N310	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N272/N312	N272/N312	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N273/N313	N273/N313	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N271/N311	N271/N311	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N229/N269	N229/N269	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N230/N270	N230/N270	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N232/N272	N232/N272	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N233/N273	N233/N273	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N231/N271	N231/N271	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N109/N149	N109/N149	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N110/N150	N110/N150	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N112/N152	N112/N152	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N113/N153	N113/N153	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N111/N151	N111/N151	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N69/N109	N69/N109	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N70/N110	N70/N110	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N72/N112	N72/N112	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N73/N113	N73/N113	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N71/N111	N71/N111	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N9/N69	N9/N69	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N10/N70	N10/N70	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N12/N72	N12/N72	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N13/N73	N13/N73	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N11/N71	N11/N71	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N17/N77	N17/N77	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N18/N78	N18/N78	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N19/N79	N19/N79	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N16/N76	N16/N76	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N15/N75	N15/N75	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N77/N117	N77/N117	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N78/N118	N78/N118	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N79/N119	N79/N119	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N76/N116	N76/N116	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N75/N115	N75/N115	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N117/N157	N117/N157	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N118/N158	N118/N158	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N119/N159	N119/N159	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N116/N156	N116/N156	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N115/N155	N115/N155	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N237/N277	N237/N277	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N238/N278	N238/N278	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N239/N279	N239/N279	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N236/N276	N236/N276	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N235/N275	N235/N275	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N277/N317	N277/N317	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N279/N319	N279/N319	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N278/N318	N278/N318	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N275/N315	N275/N315	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N276/N316	N276/N316	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N8/N321	N8/N321	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N68/N322	N68/N322	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N108/N323	N108/N323	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N148/N324	N148/N324	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N188/N325	N188/N325	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N228/N326	N228/N326	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N268/N327	N268/N327	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N308/N328	N308/N328	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N14/N329	N14/N329	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N74/N330	N74/N330	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N114/N331	N114/N331	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N154/N332	N154/N332	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N194/N333	N194/N333	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N234/N334	N234/N334	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N274/N335	N274/N335	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N314/N336	N314/N336	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N20/N337	N20/N337	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N80/N338	N80/N338	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N120/N339	N120/N339	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N160/N340	N160/N340	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N200/N341	N200/N341	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N240/N342	N240/N342	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N280/N343	N280/N343	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N320/N344	N320/N344	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N345/N346	N345/N321	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N346/N347	N345/N321	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N347/N348	N345/N321	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N348/N349	N345/N321	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N349/N350	N345/N321	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N350/N351	N345/N321	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N351/N321	N345/N321	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.95	-	-
		N321/N352	N321/N329	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.95	-	-
		N352/N353	N321/N329	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N353/N354	N321/N329	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N354/N355	N321/N329	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N355/N356	N321/N329	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N356/N329	N321/N329	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.95	-	-
		N329/N357	N329/N337	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.95	-	-
		N357/N358	N329/N337	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N358/N359	N329/N337	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N359/N360	N329/N337	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N360/N361	N329/N337	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N361/N337	N329/N337	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.92	-	-
		N362/N363	N362/N369	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N363/N364	N362/N369	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N364/N365	N362/N369	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N365/N366	N362/N369	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N366/N367	N362/N369	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N367/N368	N362/N369	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N368/N369	N362/N369	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.96	-	-
		N369/N370	N369/N375	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.96	-	-
		N370/N371	N369/N375	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N371/N372	N369/N375	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N372/N373	N369/N375	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N373/N374	N369/N375	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N374/N375	N369/N375	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.96	-	-
		N375/N376	N375/N381	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.96	-	-
		N376/N377	N375/N381	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N377/N378	N375/N381	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N378/N379	N375/N381	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N379/N380	N375/N381	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N380/N381	N375/N381	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.93	-	-
		N382/N383	N382/N389	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N383/N384	N382/N389	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N384/N1229	N382/N389	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1229/N385	N382/N389	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N385/N386	N382/N389	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N386/N387	N382/N389	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N387/N1231	N382/N389	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1231/N388	N382/N389	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N388/N389	N382/N389	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.96	-	-
		N390/N391	N390/N322	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N391/N392	N390/N322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N392/N393	N390/N322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N393/N1230	N390/N322	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1230/N394	N390/N322	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N394/N395	N390/N322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N395/N396	N390/N322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N396/N1232	N390/N322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.10	-	-
		N1232/N322	N390/N322	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	6.93	-	-
		N322/N397	N322/N330	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.95	-	-
		N397/N398	N322/N330	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N398/N1258	N322/N330	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1258/N399	N322/N330	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N399/N400	N322/N330	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N400/N401	N322/N330	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N401/N1260	N322/N330	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.13	-	-
		N1260/N330	N322/N330	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.13	-	-
		N389/N402	N389/N407	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N402/N1257	N389/N407	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1257/N403	N389/N407	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N403/N404	N389/N407	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N404/N405	N389/N407	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N405/N1259	N389/N407	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1259/N406	N389/N407	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N406/N407	N389/N407	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.96	-	-
		N330/N408	N330/N338	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.95	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N408/N409	N330/N338	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N409/N1262	N330/N338	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1262/N410	N330/N338	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N410/N411	N330/N338	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N411/N412	N330/N338	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N412/N1264	N330/N338	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.09	-	-
		N1264/N338	N330/N338	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	5.90	-	-
		N407/N413	N407/N418	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N413/N1261	N407/N418	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1261/N414	N407/N418	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N414/N415	N407/N418	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N415/N416	N407/N418	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N416/N1263	N407/N418	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1263/N417	N407/N418	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N417/N418	N407/N418	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.93	-	-
		N419/N420	N419/N426	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N420/N421	N419/N426	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N421/N1277	N419/N426	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1277/N422	N419/N426	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N422/N423	N419/N426	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N423/N424	N419/N426	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N424/N1279	N419/N426	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1279/N425	N419/N426	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N425/N426	N419/N426	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.96	-	-
		N427/N428	N427/N323	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N428/N429	N427/N323	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N429/N430	N427/N323	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N430/N1278	N427/N323	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1278/N431	N427/N323	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N431/N432	N427/N323	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N432/N433	N427/N323	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N433/N1280	N427/N323	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.10	-	-
		N1280/N323	N427/N323	G 100x50x25x130x2.0 (G)	-	0.070	-	7.15	6.93	-	-
		N323/N434	N323/N331	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.95	-	-
		N434/N435	N323/N331	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N435/N1306	N323/N331	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.18	-	-
		N1306/N436	N323/N331	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.43	-	-
		N436/N437	N323/N331	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N437/N438	N323/N331	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N438/N1308	N323/N331	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.13	-	-
		N1308/N331	N323/N331	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.13	-	-
		N426/N439	N426/N444	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.96	-	-
		N439/N1305	N426/N444	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1305/N440	N426/N444	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N440/N441	N426/N444	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N441/N442	N426/N444	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N442/N1307	N426/N444	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1307/N443	N426/N444	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N443/N444	N426/N444	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.98	0.96	-	-
		N331/N445	N331/N339	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.95	-	-
		N445/N446	N331/N339	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N446/N1310	N331/N339	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.18	-	-
		N1310/N447	N331/N339	G 100x50x25x130x2.0 (G)	-	0.070	-	6.37	6.43	-	-
		N447/N448	N331/N339	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N448/N449	N331/N339	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N449/N1312	N331/N339	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.09	-	-
		N1312/N339	N331/N339	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	5.90	-	-
		N444/N450	N444/N455	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.96	-	-
		N450/N1309	N444/N455	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1309/N451	N444/N455	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N451/N452	N444/N455	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N452/N453	N444/N455	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N453/N1311	N444/N455	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1311/N454	N444/N455	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N454/N455	N444/N455	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.93	-	-
		N493/N494	N493/N500	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N494/N495	N493/N500	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N495/N1349	N493/N500	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1349/N496	N493/N500	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N496/N497	N493/N500	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N497/N498	N493/N500	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N498/N1351	N493/N500	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1351/N499	N493/N500	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N499/N500	N493/N500	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.96	-	-
		N501/N502	N501/N325	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N502/N503	N501/N325	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N503/N504	N501/N325	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N504/N1350	N501/N325	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1350/N505	N501/N325	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N505/N506	N501/N325	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N506/N507	N501/N325	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N507/N1352	N501/N325	G 100x50x25x130x2.0 (G)	-	0.440	-	1.15	1.10	-	-
		N1352/N325	N501/N325	G 100x50x25x130x2.0 (G)	-	0.070	-	7.21	6.93	-	-
		N325/N508	N325/N333	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.95	-	-
		N508/N509	N325/N333	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N509/N1378	N325/N333	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1378/N510	N325/N333	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N510/N511	N325/N333	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N511/N512	N325/N333	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N512/N1380	N325/N333	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.13	-	-
		N1380/N333	N325/N333	G 100x50x25x130x2.0 (G)	-	0.070	-	6.37	6.13	-	-
		N500/N513	N500/N518	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N513/N1377	N500/N518	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1377/N514	N500/N518	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N514/N515	N500/N518	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N515/N516	N500/N518	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N516/N1379	N500/N518	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1379/N517	N500/N518	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N517/N518	N500/N518	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.96	-	-
		N333/N519	N333/N341	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.95	-	-
		N519/N520	N333/N341	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N520/N1382	N333/N341	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1382/N521	N333/N341	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N521/N522	N333/N341	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N522/N523	N333/N341	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N523/N1384	N333/N341	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.09	-	-
		N1384/N341	N333/N341	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	5.90	-	-
		N518/N524	N518/N529	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N524/N1381	N518/N529	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1381/N525	N518/N529	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N525/N526	N518/N529	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N526/N527	N518/N529	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N527/N1383	N518/N529	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1383/N528	N518/N529	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N528/N529	N518/N529	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.93	-	-
		N530/N531	N530/N537	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N531/N532	N530/N537	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N532/N1397	N530/N537	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1397/N533	N530/N537	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N533/N534	N530/N537	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N534/N535	N530/N537	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N535/N1399	N530/N537	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1399/N536	N530/N537	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N536/N537	N530/N537	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.96	-	-
		N538/N539	N538/N326	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N539/N540	N538/N326	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N540/N541	N538/N326	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N541/N1398	N538/N326	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1398/N542	N538/N326	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N542/N543	N538/N326	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N543/N544	N538/N326	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N544/N1400	N538/N326	G 100x50x25x130x2.0 (G)	-	0.440	-	0.89	1.10	-	-
		N1400/N326	N538/N326	G 100x50x25x130x2.0 (G)	-	0.070	-	5.58	6.93	-	-
		N326/N545	N326/N334	G 100x50x25x130x2.0 (G)	-	0.440	-	0.77	0.95	-	-
		N545/N546	N326/N334	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N546/N1426	N326/N334	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1426/N547	N326/N334	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N547/N548	N326/N334	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N548/N549	N326/N334	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N549/N1428	N326/N334	G 100x50x25x130x2.0 (G)	-	0.380	-	1.10	1.13	-	-
		N1428/N334	N326/N334	G 100x50x25x130x2.0 (G)	-	0.070	-	5.98	6.13	-	-
		N537/N550	N537/N555	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N550/N1425	N537/N555	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1425/N551	N537/N555	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N551/N552	N537/N555	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N552/N553	N537/N555	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N553/N1427	N537/N555	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1427/N554	N537/N555	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N554/N555	N537/N555	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.96	-	-
		N334/N556	N334/N342	G 100x50x25x130x2.0 (G)	-	0.440	-	0.93	0.95	-	-
		N556/N557	N334/N342	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N557/N1430	N334/N342	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1430/N558	N334/N342	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N558/N559	N334/N342	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N559/N560	N334/N342	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N560/N1432	N334/N342	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.09	-	-
		N1432/N342	N334/N342	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	5.90	-	-
		N555/N561	N555/N566	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N561/N1429	N555/N566	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1429/N562	N555/N566	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N562/N563	N555/N566	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N563/N564	N555/N566	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N564/N1431	N555/N566	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1431/N565	N555/N566	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N565/N566	N555/N566	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.93	-	-
		N321/N369	N321/N369	40x80x2 (#)	0.065	0.195	0.065	0.00	0.00	-	-
		N321/N322	N321/N322	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N322/N389	N322/N389	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N369/N389	N369/N389	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N322/N323	N322/N323	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N323/N324	N323/N324	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N325/N326	N325/N326	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N326/N924	N326/N327	150x50x4.0 (Rectangular_Colmmmena)	0.065	0.035	-	1.00	1.00	-	-
		N924/N929	N326/N327	150x50x4.0 (Rectangular_Colmmmena)	-	0.970	-	1.00	1.00	-	-
		N929/N922	N326/N327	150x50x4.0 (Rectangular_Colmmmena)	-	0.175	-	1.00	1.00	-	-
		N922/N921	N326/N327	150x50x4.0 (Rectangular_Colmmmena)	-	0.970	-	1.00	1.00	-	-
		N921/N327	N326/N327	150x50x4.0 (Rectangular_Colmmmena)	-	0.035	0.065	1.00	1.00	-	-
		N327/N328	N327/N328	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N328/N593	N328/N593	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N568/N593	N568/N593	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N327/N568	N327/N568	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N326/N537	N326/N537	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N500/N537	N500/N537	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N325/N500	N325/N500	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N324/N463	N324/N463	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N426/N463	N426/N463	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N323/N426	N323/N426	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N389/N426	N389/N426	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N329/N375	N329/N375	40x80x2 (#)	0.065	0.195	0.065	0.00	0.00	-	-
		N375/N407	N375/N407	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N329/N330	N329/N330	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N330/N407	N330/N407	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N330/N331	N330/N331	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N407/N444	N407/N444	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N331/N332	N331/N332	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N333/N518	N333/N518	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N332/N481	N332/N481	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N444/N481	N444/N481	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N331/N444	N331/N444	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N333/N334	N333/N334	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N518/N555	N518/N555	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N334/N927	N334/N335	150x50x4.0 (Rectangular_Colmmmena)	0.065	1.180	-	1.00	1.00	-	-
		N927/N925	N334/N335	150x50x4.0 (Rectangular_Colmmmena)	-	0.970	-	1.00	1.00	-	-
		N925/N335	N334/N335	150x50x4.0 (Rectangular_Colmmmena)	-	0.035	0.065	1.00	1.00	-	-
		N335/N580	N335/N580	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N334/N555	N334/N555	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N335/N336	N335/N336	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N580/N605	N580/N605	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N336/N605	N336/N605	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N580/N605	N580/N605	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N336/N605	N336/N605	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N337/N381	N337/N381	40x80x2 (#)	0.065	0.195	0.065	0.00	0.00	-	-
		N338/N418	N338/N418	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N341/N529	N341/N529	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N340/N492	N340/N492	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N339/N455	N339/N455	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N343/N591	N343/N591	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N342/N566	N342/N566	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N344/N616	N344/N616	40x80x2 (#)	0.051	0.223	0.051	0.00	0.00	-	-
		N346/N391	N346/N391	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N391/N428	N391/N428	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N428/N465	N428/N465	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N347/N392	N347/N392	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N392/N429	N392/N429	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N429/N466	N429/N466	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N348/N393	N348/N393	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N393/N430	N393/N430	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N430/N467	N430/N467	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N349/N394	N349/N394	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N394/N431	N394/N431	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N431/N468	N431/N468	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N350/N395	N350/N395	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N395/N432	N395/N432	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N432/N469	N432/N469	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N351/N396	N351/N396	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N396/N433	N396/N433	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N433/N470	N433/N470	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N352/N397	N352/N397	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N397/N434	N397/N434	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N434/N471	N434/N471	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N570/N595	N570/N595	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N353/N398	N353/N398	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N398/N435	N398/N435	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N435/N472	N435/N472	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N571/N596	N571/N596	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N355/N400	N355/N400	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N400/N437	N400/N437	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N437/N474	N437/N474	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N573/N598	N573/N598	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N356/N401	N356/N401	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N401/N438	N401/N438	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N438/N475	N438/N475	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N574/N599	N574/N599	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N354/N399	N354/N399	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N399/N436	N399/N436	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N436/N473	N436/N473	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N572/N597	N572/N597	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N359/N410	N359/N410	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N410/N447	N410/N447	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N447/N484	N447/N484	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N583/N608	N583/N608	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N360/N411	N360/N411	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N361/N412	N361/N412	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N411/N448	N411/N448	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N412/N449	N412/N449	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N448/N485	N448/N485	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N449/N486	N449/N486	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N585/N610	N585/N610	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N584/N609	N584/N609	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N358/N409	N358/N409	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N357/N408	N357/N408	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N409/N446	N409/N446	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N408/N445	N408/N445	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N446/N483	N446/N483	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N445/N482	N445/N482	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N581/N606	N581/N606	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N582/N607	N582/N607	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N363/N383	N363/N383	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N364/N384	N364/N384	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N365/N385	N365/N385	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N366/N386	N366/N386	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N367/N387	N367/N387	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N368/N388	N368/N388	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N383/N420	N383/N420	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N384/N421	N384/N421	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N385/N422	N385/N422	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N386/N423	N386/N423	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N387/N424	N387/N424	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N388/N425	N388/N425	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N420/N457	N420/N457	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N421/N458	N421/N458	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N422/N459	N422/N459	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N423/N460	N423/N460	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N424/N461	N424/N461	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N425/N462	N425/N462	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N575/N600	N575/N600	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N576/N601	N576/N601	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N578/N603	N578/N603	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N579/N604	N579/N604	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N577/N602	N577/N602	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N439/N476	N439/N476	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N440/N477	N440/N477	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N442/N479	N442/N479	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N443/N480	N443/N480	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N441/N478	N441/N478	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N402/N439	N402/N439	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N403/N440	N403/N440	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N405/N442	N405/N442	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N406/N443	N406/N443	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N404/N441	N404/N441	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N370/N402	N370/N402	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N371/N403	N371/N403	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N373/N405	N373/N405	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N374/N406	N374/N406	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N372/N404	N372/N404	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N378/N415	N378/N415	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N379/N416	N379/N416	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N380/N417	N380/N417	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N377/N414	N377/N414	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N376/N413	N376/N413	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N415/N452	N415/N452	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N416/N453	N416/N453	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N417/N454	N417/N454	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N414/N451	N414/N451	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N413/N450	N413/N450	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N452/N489	N452/N489	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N453/N490	N453/N490	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N454/N491	N454/N491	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N451/N488	N451/N488	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N450/N487	N450/N487	40x60x1.5 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N588/N613	N588/N613	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N590/N615	N590/N615	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N589/N614	N589/N614	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N586/N611	N586/N611	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N587/N612	N587/N612	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N617/N618	N617/N624	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N618/N619	N617/N624	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N619/N620	N617/N624	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N620/N621	N617/N624	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N621/N622	N617/N624	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N622/N623	N617/N624	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N623/N624	N617/N624	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N624/N625	N624/N630	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N625/N626	N624/N630	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N626/N627	N624/N630	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N627/N628	N624/N630	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N628/N629	N624/N630	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N629/N630	N624/N630	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N630/N631	N630/N636	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N631/N632	N630/N636	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N632/N633	N630/N636	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N633/N634	N630/N636	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N634/N635	N630/N636	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N635/N636	N630/N636	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N637/N638	N637/N644	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N638/N639	N637/N644	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N639/N640	N637/N644	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N640/N641	N637/N644	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N641/N642	N637/N644	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N642/N643	N637/N644	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N643/N644	N637/N644	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N644/N645	N644/N650	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N645/N646	N644/N650	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N646/N647	N644/N650	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N647/N648	N644/N650	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N648/N649	N644/N650	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N649/N650	N644/N650	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N650/N651	N650/N656	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N651/N652	N650/N656	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N652/N653	N650/N656	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N653/N654	N650/N656	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N654/N655	N650/N656	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N655/N656	N650/N656	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N657/N658	N657/N664	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N658/N659	N657/N664	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N659/N660	N657/N664	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N660/N1222	N657/N664	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1222/N661	N657/N664	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N661/N662	N657/N664	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N662/N663	N657/N664	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N663/N1224	N657/N664	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N1224/N664	N657/N664	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N664/N665	N664/N670	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N665/N666	N664/N670	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N666/N1242	N664/N670	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1242/N667	N664/N670	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N667/N668	N664/N670	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N668/N669	N664/N670	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N669/N1244	N664/N670	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1244/N670	N664/N670	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N670/N671	N670/N676	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N671/N672	N670/N676	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N672/N1246	N670/N676	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1246/N673	N670/N676	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N673/N674	N670/N676	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N674/N675	N670/N676	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N675/N1248	N670/N676	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1248/N676	N670/N676	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N677/N678	N677/N684	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N678/N679	N677/N684	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N679/N1221	N677/N684	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1221/N680	N677/N684	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N680/N681	N677/N684	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N681/N682	N677/N684	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N682/N1223	N677/N684	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1223/N683	N677/N684	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N683/N684	N677/N684	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N684/N685	N684/N690	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N685/N1241	N684/N690	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1241/N686	N684/N690	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N686/N687	N684/N690	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N687/N688	N684/N690	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N688/N1243	N684/N690	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1243/N689	N684/N690	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N689/N690	N684/N690	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N690/N691	N690/N696	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N691/N1245	N690/N696	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1245/N692	N690/N696	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N692/N693	N690/N696	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N693/N694	N690/N696	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N694/N1247	N690/N696	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1247/N695	N690/N696	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N695/N696	N690/N696	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N697/N698	N697/N704	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N698/N699	N697/N704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N699/N700	N697/N704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N700/N1270	N697/N704	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N1270/N701	N697/N704	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N701/N702	N697/N704	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N702/N703	N697/N704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N703/N1272	N697/N704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1272/N704	N697/N704	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N704/N705	N704/N710	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N705/N706	N704/N710	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N706/N1290	N704/N710	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1290/N707	N704/N710	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N707/N708	N704/N710	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N708/N709	N704/N710	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N709/N1292	N704/N710	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1292/N710	N704/N710	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N710/N711	N710/N716	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N711/N712	N710/N716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N712/N1294	N710/N716	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1294/N713	N710/N716	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N713/N714	N710/N716	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N714/N715	N710/N716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N715/N1296	N710/N716	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1296/N716	N710/N716	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N717/N718	N717/N724	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N718/N719	N717/N724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N719/N1269	N717/N724	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1269/N720	N717/N724	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N720/N721	N717/N724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N721/N722	N717/N724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N722/N1271	N717/N724	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N1271/N723	N717/N724	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N723/N724	N717/N724	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N724/N725	N724/N730	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N725/N1289	N724/N730	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1289/N726	N724/N730	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N726/N727	N724/N730	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N727/N728	N724/N730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N728/N1291	N724/N730	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1291/N729	N724/N730	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N729/N730	N724/N730	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N730/N731	N730/N736	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N731/N1293	N730/N736	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1293/N732	N730/N736	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N732/N733	N730/N736	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N733/N734	N730/N736	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N734/N1295	N730/N736	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1295/N735	N730/N736	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N735/N736	N730/N736	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N817/N818	N817/N824	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N818/N819	N817/N824	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N819/N820	N817/N824	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N820/N1438	N817/N824	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1438/N821	N817/N824	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N821/N822	N817/N824	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N822/N823	N817/N824	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N823/N1440	N817/N824	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1440/N824	N817/N824	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N824/N825	N824/N830	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N825/N826	N824/N830	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N826/N1458	N824/N830	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1458/N827	N824/N830	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N827/N828	N824/N830	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N828/N829	N824/N830	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N829/N1460	N824/N830	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1460/N830	N824/N830	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N830/N831	N830/N836	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N831/N832	N830/N836	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N832/N1462	N830/N836	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1462/N833	N830/N836	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N833/N834	N830/N836	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N834/N835	N830/N836	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N835/N1464	N830/N836	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1464/N836	N830/N836	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N837/N838	N837/N844	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N838/N839	N837/N844	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N839/N1437	N837/N844	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1437/N840	N837/N844	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N840/N841	N837/N844	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N841/N842	N837/N844	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N842/N1439	N837/N844	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1439/N843	N837/N844	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N843/N844	N837/N844	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N844/N845	N844/N850	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N845/N1457	N844/N850	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1457/N846	N844/N850	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N846/N847	N844/N850	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N847/N848	N844/N850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N848/N1459	N844/N850	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1459/N849	N844/N850	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N849/N850	N844/N850	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N850/N851	N850/N856	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N851/N1461	N850/N856	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1461/N852	N850/N856	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N852/N853	N850/N856	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N853/N854	N850/N856	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N854/N1463	N850/N856	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1463/N855	N850/N856	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N855/N856	N850/N856	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N644/N624	N644/N624	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N644/N664	N644/N664	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N664/N684	N664/N684	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N624/N684	N624/N684	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N664/N704	N664/N704	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N704/N724	N704/N724	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N684/N724	N684/N724	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N744/N764	N744/N764	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N764/N804	N764/N804	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N784/N804	N784/N804	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N744/N784	N744/N784	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N804/N844	N804/N844	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N824/N844	N824/N844	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N784/N824	N784/N824	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N844/N884	N844/N884	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N864/N884	N864/N884	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N824/N864	N824/N864	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N650/N630	N650/N630	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N630/N690	N630/N690	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N650/N670	N650/N670	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N670/N690	N670/N690	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N670/N710	N670/N710	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N690/N730	N690/N730	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N710/N730	N710/N730	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N750/N790	N750/N790	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N770/N810	N770/N810	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N790/N810	N790/N810	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N810/N850	N810/N850	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N830/N850	N830/N850	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N790/N830	N790/N830	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N830/N870	N830/N870	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N850/N890	N850/N890	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N870/N890	N870/N890	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N750/N770	N750/N770	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N656/N636	N656/N636	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N676/N696	N676/N696	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N716/N736	N716/N736	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N796/N816	N796/N816	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N836/N856	N836/N856	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N876/N896	N876/N896	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N756/N776	N756/N776	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N624/N28	N624/N28	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N684/N48	N684/N48	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N724/N88	N724/N88	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N764/N168	N764/N168	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N804/N208	N804/N208	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N844/N248	N844/N248	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N884/N288	N884/N288	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N630/N34	N630/N34	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N690/N54	N690/N54	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N730/N94	N730/N94	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N770/N174	N770/N174	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N810/N214	N810/N214	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N850/N254	N850/N254	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N890/N294	N890/N294	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N636/N40	N636/N40	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N696/N60	N696/N60	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N736/N100	N736/N100	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N776/N180	N776/N180	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N816/N220	N816/N220	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N856/N260	N856/N260	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N896/N300	N896/N300	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N704/N744	N704/N744	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N724/N764	N724/N764	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N638/N658	N638/N658	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N639/N659	N639/N659	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N640/N660	N640/N660	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N641/N661	N641/N661	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N642/N662	N642/N662	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N643/N663	N643/N663	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N658/N698	N658/N698	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N659/N699	N659/N699	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N660/N700	N660/N700	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N661/N701	N661/N701	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N662/N702	N662/N702	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N663/N703	N663/N703	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N778/N818	N778/N818	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N779/N819	N779/N819	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N780/N820	N780/N820	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N781/N821	N781/N821	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N782/N822	N782/N822	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N783/N823	N783/N823	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N818/N858	N818/N858	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N819/N859	N819/N859	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N820/N860	N820/N860	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N821/N861	N821/N861	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N822/N862	N822/N862	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N823/N863	N823/N863	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N825/N865	N825/N865	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N826/N866	N826/N866	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N828/N868	N828/N868	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N829/N869	N829/N869	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N827/N867	N827/N867	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N785/N825	N785/N825	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N786/N826	N786/N826	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N788/N828	N788/N828	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N789/N829	N789/N829	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N787/N827	N787/N827	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N665/N705	N665/N705	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N666/N706	N666/N706	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N668/N708	N668/N708	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N669/N709	N669/N709	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N667/N707	N667/N707	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N645/N665	N645/N665	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N646/N666	N646/N666	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N648/N668	N648/N668	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N649/N669	N649/N669	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N647/N667	N647/N667	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N653/N673	N653/N673	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N654/N674	N654/N674	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N655/N675	N655/N675	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N652/N672	N652/N672	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N651/N671	N651/N671	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N673/N713	N673/N713	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N674/N714	N674/N714	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N675/N715	N675/N715	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N672/N712	N672/N712	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N671/N711	N671/N711	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N793/N833	N793/N833	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N794/N834	N794/N834	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N795/N835	N795/N835	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N792/N832	N792/N832	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N791/N831	N791/N831	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N833/N873	N833/N873	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N835/N875	N835/N875	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N834/N874	N834/N874	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N831/N871	N831/N871	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N832/N872	N832/N872	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N618/N678	N618/N678	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N619/N679	N619/N679	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N620/N680	N620/N680	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N621/N681	N621/N681	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N622/N682	N622/N682	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N623/N683	N623/N683	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N678/N718	N678/N718	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N679/N719	N679/N719	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N680/N720	N680/N720	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N681/N721	N681/N721	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N682/N722	N682/N722	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N683/N723	N683/N723	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N798/N838	N798/N838	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N799/N839	N799/N839	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N800/N840	N800/N840	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N801/N841	N801/N841	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N802/N842	N802/N842	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N803/N843	N803/N843	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N838/N878	N838/N878	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N839/N879	N839/N879	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N840/N880	N840/N880	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N841/N881	N841/N881	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N842/N882	N842/N882	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N843/N883	N843/N883	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N845/N885	N845/N885	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N846/N886	N846/N886	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N848/N888	N848/N888	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N849/N889	N849/N889	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N847/N887	N847/N887	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N805/N845	N805/N845	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N806/N846	N806/N846	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N808/N848	N808/N848	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N809/N849	N809/N849	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N807/N847	N807/N847	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N685/N725	N685/N725	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N686/N726	N686/N726	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N688/N728	N688/N728	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N689/N729	N689/N729	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N687/N727	N687/N727	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N625/N685	N625/N685	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N626/N686	N626/N686	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N628/N688	N628/N688	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N629/N689	N629/N689	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N627/N687	N627/N687	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N633/N693	N633/N693	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N634/N694	N634/N694	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N635/N695	N635/N695	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N632/N692	N632/N692	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N631/N691	N631/N691	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N693/N733	N693/N733	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N694/N734	N694/N734	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N695/N735	N695/N735	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N692/N732	N692/N732	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N691/N731	N691/N731	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N813/N853	N813/N853	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N814/N854	N814/N854	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N815/N855	N815/N855	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N812/N852	N812/N852	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N811/N851	N811/N851	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N853/N893	N853/N893	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N855/N895	N855/N895	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N854/N894	N854/N894	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N851/N891	N851/N891	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N852/N892	N852/N892	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N698/N738	N698/N738	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N699/N739	N699/N739	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N700/N740	N700/N740	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N701/N741	N701/N741	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N702/N742	N702/N742	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N703/N743	N703/N743	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N705/N745	N705/N745	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N706/N746	N706/N746	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N708/N748	N708/N748	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N709/N749	N709/N749	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N707/N747	N707/N747	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N713/N753	N713/N753	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N714/N754	N714/N754	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N715/N755	N715/N755	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N712/N752	N712/N752	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N711/N751	N711/N751	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N718/N758	N718/N758	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N719/N759	N719/N759	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N720/N760	N720/N760	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N721/N761	N721/N761	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N722/N762	N722/N762	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N723/N763	N723/N763	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N725/N765	N725/N765	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N726/N766	N726/N766	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N728/N768	N728/N768	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N729/N769	N729/N769	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N727/N767	N727/N767	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N733/N773	N733/N773	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N734/N774	N734/N774	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N735/N775	N735/N775	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N732/N772	N732/N772	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N731/N771	N731/N771	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N456/N457	N456/N463	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N457/N458	N456/N463	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N458/N1317	N456/N463	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1317/N459	N456/N463	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N459/N460	N456/N463	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N460/N461	N456/N463	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N461/N1319	N456/N463	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1319/N462	N456/N463	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N462/N463	N456/N463	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.96	-	-
		N464/N465	N464/N324	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N465/N466	N464/N324	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N466/N467	N464/N324	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N467/N1318	N464/N324	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1318/N468	N464/N324	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N468/N469	N464/N324	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N469/N470	N464/N324	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N470/N1320	N464/N324	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.10	-	-
		N1320/N324	N464/N324	G 100x50x25x130x2.0 (G)	-	0.070	-	7.19	6.93	-	-
		N324/N471	N324/N332	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.95	-	-
		N471/N472	N324/N332	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N472/N1330	N324/N332	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.18	-	-
		N1330/N473	N324/N332	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.43	-	-
		N473/N474	N324/N332	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N474/N475	N324/N332	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N475/N1332	N324/N332	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.13	-	-
		N1332/N332	N324/N332	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.13	-	-
		N463/N476	N463/N481	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N476/N1329	N463/N481	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1329/N477	N463/N481	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N477/N478	N463/N481	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N478/N479	N463/N481	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N479/N1331	N463/N481	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1331/N480	N463/N481	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N480/N481	N463/N481	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.96	-	-
		N332/N482	N332/N340	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.95	-	-
		N482/N483	N332/N340	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N483/N1334	N332/N340	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1334/N484	N332/N340	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N484/N485	N332/N340	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N485/N486	N332/N340	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N486/N1336	N332/N340	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.09	-	-
		N1336/N340	N332/N340	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	5.90	-	-
		N481/N487	N481/N492	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N487/N1333	N481/N492	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1333/N488	N481/N492	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N488/N489	N481/N492	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N489/N490	N481/N492	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N490/N1335	N481/N492	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1335/N491	N481/N492	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N491/N492	N481/N492	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.93	-	-
		N121/N122	N121/N128	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N122/N123	N121/N128	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N123/N124	N121/N128	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N124/N1314	N121/N128	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1314/N125	N121/N128	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N125/N126	N121/N128	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N126/N127	N121/N128	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N127/N1316	N121/N128	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.13	-	-
		N1316/N128	N121/N128	G 100x50x25x130x2.0 (G)	-	0.070	-	7.10	7.13	-	-
		N128/N129	N128/N134	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N129/N130	N128/N134	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N130/N1322	N128/N134	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1322/N131	N128/N134	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N131/N132	N128/N134	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N132/N133	N128/N134	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N133/N1324	N128/N134	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N1324/N134	N128/N134	G 100x50x25x130x2.0 (G)	-	0.070	-	6.28	6.30	-	-
		N134/N135	N134/N140	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N135/N136	N134/N140	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N136/N1326	N134/N140	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1326/N137	N134/N140	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N137/N138	N134/N140	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N138/N139	N134/N140	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N139/N1328	N134/N140	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1328/N140	N134/N140	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N141/N142	N141/N148	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N142/N143	N141/N148	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N143/N1313	N141/N148	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1313/N144	N141/N148	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N144/N145	N141/N148	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N145/N146	N141/N148	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N146/N1315	N141/N148	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1315/N147	N141/N148	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N147/N148	N141/N148	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N148/N149	N148/N154	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N149/N1321	N148/N154	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1321/N150	N148/N154	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N150/N151	N148/N154	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N151/N152	N148/N154	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N152/N1323	N148/N154	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1323/N153	N148/N154	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N153/N154	N148/N154	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N154/N155	N154/N160	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N155/N1325	N154/N160	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1325/N156	N154/N160	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N156/N157	N154/N160	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N157/N158	N154/N160	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N158/N1327	N154/N160	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1327/N159	N154/N160	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N159/N160	N154/N160	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N737/N738	N737/N744	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N738/N739	N737/N744	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N739/N740	N737/N744	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N740/N1342	N737/N744	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1342/N741	N737/N744	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N741/N742	N737/N744	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N742/N743	N737/N744	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N743/N1344	N737/N744	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1344/N744	N737/N744	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N744/N745	N744/N750	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N745/N746	N744/N750	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N746/N1362	N744/N750	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1362/N747	N744/N750	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N747/N748	N744/N750	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N748/N749	N744/N750	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N749/N1364	N744/N750	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1364/N750	N744/N750	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N750/N751	N750/N756	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N751/N752	N750/N756	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N752/N1366	N750/N756	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1366/N753	N750/N756	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N753/N754	N750/N756	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N754/N755	N750/N756	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N755/N1368	N750/N756	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1368/N756	N750/N756	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N757/N758	N757/N764	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N758/N759	N757/N764	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N759/N1341	N757/N764	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1341/N760	N757/N764	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N760/N761	N757/N764	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N761/N762	N757/N764	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N762/N1343	N757/N764	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1343/N763	N757/N764	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N763/N764	N757/N764	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N764/N765	N764/N770	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N765/N1361	N764/N770	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1361/N766	N764/N770	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N766/N767	N764/N770	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N767/N768	N764/N770	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N768/N1363	N764/N770	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1363/N769	N764/N770	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N769/N770	N764/N770	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N770/N771	N770/N776	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N771/N1365	N770/N776	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1365/N772	N770/N776	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N772/N773	N770/N776	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N773/N774	N770/N776	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N774/N1367	N770/N776	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1367/N775	N770/N776	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N775/N776	N770/N776	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N777/N778	N777/N784	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N778/N779	N777/N784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N779/N780	N777/N784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N780/N1390	N777/N784	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1390/N781	N777/N784	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N781/N782	N777/N784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N782/N783	N777/N784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N783/N1392	N777/N784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1392/N784	N777/N784	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N784/N785	N784/N790	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N785/N786	N784/N790	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N786/N1410	N784/N790	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1410/N787	N784/N790	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N787/N788	N784/N790	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N788/N789	N784/N790	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N789/N1412	N784/N790	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N1412/N790	N784/N790	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N790/N791	N790/N796	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N791/N792	N790/N796	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N792/N1414	N790/N796	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1414/N793	N790/N796	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N793/N794	N790/N796	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N794/N795	N790/N796	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N795/N1416	N790/N796	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1416/N796	N790/N796	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N797/N798	N797/N804	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N798/N799	N797/N804	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N799/N1389	N797/N804	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1389/N800	N797/N804	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N800/N801	N797/N804	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N801/N802	N797/N804	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N802/N1391	N797/N804	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1391/N803	N797/N804	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N803/N804	N797/N804	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N804/N805	N804/N810	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N805/N1409	N804/N810	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1409/N806	N804/N810	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N806/N807	N804/N810	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N807/N808	N804/N810	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N808/N1411	N804/N810	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1411/N809	N804/N810	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N809/N810	N804/N810	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N810/N811	N810/N816	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N811/N1413	N810/N816	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1413/N812	N810/N816	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N812/N813	N810/N816	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N813/N814	N810/N816	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N814/N1415	N810/N816	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1415/N815	N810/N816	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N815/N816	N810/N816	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N201/N202	N201/N208	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N202/N203	N201/N208	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N203/N204	N201/N208	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N204/N1394	N201/N208	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1394/N205	N201/N208	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N205/N206	N201/N208	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N206/N207	N201/N208	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N207/N1396	N201/N208	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.12	-	-
		N1396/N208	N201/N208	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.05	-	-
		N208/N209	N208/N214	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.97	-	-
		N209/N210	N208/N214	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N210/N1418	N208/N214	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1418/N211	N208/N214	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N211/N212	N208/N214	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N212/N213	N208/N214	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N213/N1420	N208/N214	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.15	-	-
		N1420/N214	N208/N214	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.23	-	-
		N214/N215	N214/N220	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.97	-	-
		N215/N216	N214/N220	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N216/N1422	N214/N220	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1422/N217	N214/N220	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N217/N218	N214/N220	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N218/N219	N214/N220	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N219/N1424	N214/N220	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.12	-	-
		N1424/N220	N214/N220	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.09	-	-
		N221/N222	N221/N228	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N222/N223	N221/N228	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N223/N1393	N221/N228	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1393/N224	N221/N228	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N224/N225	N221/N228	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N225/N226	N221/N228	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N226/N1395	N221/N228	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1395/N227	N221/N228	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N227/N228	N221/N228	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N228/N229	N228/N234	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N229/N1417	N228/N234	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1417/N230	N228/N234	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N230/N231	N228/N234	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N231/N232	N228/N234	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N232/N1419	N228/N234	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1419/N233	N228/N234	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N233/N234	N228/N234	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N234/N235	N234/N240	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N235/N1421	N234/N240	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1421/N236	N234/N240	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N236/N237	N234/N240	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N237/N238	N234/N240	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N238/N1423	N234/N240	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1423/N239	N234/N240	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N239/N240	N234/N240	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N567/N897	N567/N568	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N897/N898	N567/N568	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N898/N1445	N567/N568	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1445/N899	N567/N568	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N899/N900	N567/N568	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N900/N901	N567/N568	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N901/N1447	N567/N568	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1447/N902	N567/N568	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N902/N568	N567/N568	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.96	-	-
		N569/N903	N569/N327	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N903/N904	N569/N327	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N904/N905	N569/N327	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N905/N1446	N569/N327	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1446/N906	N569/N327	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N906/N907	N569/N327	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N907/N908	N569/N327	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N908/N1448	N569/N327	G 100x50x25x130x2.0 (G)	-	0.440	-	0.89	1.10	-	-
		N1448/N327	N569/N327	G 100x50x25x130x2.0 (G)	-	0.070	-	5.58	6.93	-	-
		N327/N570	N327/N335	G 100x50x25x130x2.0 (G)	-	0.440	-	0.77	0.95	-	-
		N570/N571	N327/N335	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N571/N1474	N327/N335	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1474/N572	N327/N335	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N572/N573	N327/N335	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N573/N574	N327/N335	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N574/N1476	N327/N335	G 100x50x25x130x2.0 (G)	-	0.380	-	0.91	1.13	-	-
		N1476/N335	N327/N335	G 100x50x25x130x2.0 (G)	-	0.070	-	4.94	6.13	-	-
		N568/N575	N568/N580	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N575/N1473	N568/N580	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1473/N576	N568/N580	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N576/N577	N568/N580	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N577/N578	N568/N580	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N578/N1475	N568/N580	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1475/N579	N568/N580	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N579/N580	N568/N580	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.96	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N335/N581	N335/N343	G 100x50x25x130x2.0 (G)	-	0.440	-	0.77	0.95	-	-
		N581/N582	N335/N343	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N582/N1478	N335/N343	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1478/N583	N335/N343	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N583/N584	N335/N343	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N584/N585	N335/N343	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N585/N1480	N335/N343	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.09	-	-
		N1480/N343	N335/N343	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	5.90	-	-
		N580/N586	N580/N591	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.96	-	-
		N586/N1477	N580/N591	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1477/N587	N580/N591	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N587/N588	N580/N591	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N588/N589	N580/N591	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N589/N1479	N580/N591	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1479/N590	N580/N591	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N590/N591	N580/N591	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.93	-	-
		N281/N282	N281/N288	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N282/N283	N281/N288	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N283/N284	N281/N288	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N284/N1490	N281/N288	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1490/N285	N281/N288	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N285/N286	N281/N288	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N286/N287	N281/N288	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N287/N1492	N281/N288	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.12	-	-
		N1492/N288	N281/N288	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.06	-	-
		N288/N289	N288/N294	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N289/N290	N288/N294	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N290/N1514	N288/N294	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1514/N291	N288/N294	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N291/N292	N288/N294	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N292/N293	N288/N294	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N293/N1516	N288/N294	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.15	-	-
		N1516/N294	N288/N294	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.23	-	-
		N294/N295	N294/N300	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N295/N296	N294/N300	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N296/N1518	N294/N300	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1518/N297	N294/N300	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N297/N298	N294/N300	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N298/N299	N294/N300	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N299/N1520	N294/N300	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.12	-	-
		N1520/N300	N294/N300	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.09	-	-
		N301/N302	N301/N308	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N302/N303	N301/N308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N303/N1489	N301/N308	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1489/N304	N301/N308	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N304/N305	N301/N308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N305/N306	N301/N308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N306/N1491	N301/N308	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1491/N307	N301/N308	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N307/N308	N301/N308	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N308/N309	N308/N314	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N309/N1513	N308/N314	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1513/N310	N308/N314	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N310/N311	N308/N314	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N311/N312	N308/N314	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N312/N1515	N308/N314	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1515/N313	N308/N314	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N313/N314	N308/N314	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N314/N315	N314/N320	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N315/N1517	N314/N320	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1517/N316	N314/N320	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N316/N317	N314/N320	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N317/N318	N314/N320	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N318/N1519	N314/N320	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1519/N319	N314/N320	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N319/N320	N314/N320	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N594/N5400	N594/N328	G 100x50x25x130x2.0 (G)	-	0.070	-	38.02	36.85	-	-
		N5400/N1494	N594/N328	G 100x50x25x130x2.0 (G)	-	1.250	-	2.13	2.06	-	-
		N1494/N5402	N594/N328	G 100x50x25x130x2.0 (G)	-	0.070	-	38.02	36.85	-	-
		N5402/N1496	N594/N328	G 100x50x25x130x2.0 (G)	-	1.320	-	2.02	1.95	-	-
		N1496/N328	N594/N328	G 100x50x25x130x2.0 (G)	-	0.070	-	38.02	36.85	-	-
		N328/N595	N328/N336	G 100x50x25x130x2.0 (G)	-	0.440	-	0.96	0.93	-	-
		N595/N596	N328/N336	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N596/N1522	N328/N336	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1522/N597	N328/N336	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N597/N598	N328/N336	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N598/N599	N328/N336	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N599/N1524	N328/N336	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.13	-	-
		N1524/N336	N328/N336	G 100x50x25x130x2.0 (G)	-	0.070	-	6.26	6.13	-	-
		N336/N606	N336/N344	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.95	-	-
		N606/N607	N336/N344	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N607/N1526	N336/N344	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1526/N608	N336/N344	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N608/N609	N336/N344	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N609/N610	N336/N344	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N610/N1528	N336/N344	G 100x50x25x130x2.0 (G)	-	0.380	-	1.14	1.09	-	-
		N1528/N344	N336/N344	G 100x50x25x130x2.0 (G)	-	0.070	-	6.17	5.90	-	-
		N592/N5399	N592/N593	G 100x50x25x130x2.0 (G)	-	0.070	-	19.86	19.86	-	-
		N5399/N1493	N592/N593	G 100x50x25x130x2.0 (G)	-	0.810	-	1.72	1.72	-	-
		N1493/N5401	N592/N593	G 100x50x25x130x2.0 (G)	-	0.070	-	19.86	19.86	-	-
		N5401/N909	N592/N593	G 100x50x25x130x2.0 (G)	-	0.440	-	3.16	3.16	-	-
		N909/N1495	N592/N593	G 100x50x25x130x2.0 (G)	-	0.810	-	1.65	1.62	-	-
		N1495/N5403	N592/N593	G 100x50x25x130x2.0 (G)	-	0.070	-	19.07	18.79	-	-
		N5403/N593	N592/N593	G 100x50x25x130x2.0 (G)	-	0.430	0.080	2.62	2.58	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N593/N600	N593/N605	G 100x50x25x130x2.0 (G)	-	0.440	-	0.96	0.95	-	-
		N600/N1521	N593/N605	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1521/N601	N593/N605	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N601/N602	N593/N605	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N602/N603	N593/N605	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N603/N1523	N593/N605	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1523/N604	N593/N605	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N604/N605	N593/N605	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.96	-	-
		N605/N611	N605/N616	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.96	-	-
		N611/N1525	N605/N616	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1525/N612	N605/N616	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N612/N613	N605/N616	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N613/N614	N605/N616	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N614/N1527	N605/N616	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1527/N615	N605/N616	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N615/N616	N605/N616	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.93	-	-
		N857/N858	N857/N864	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N858/N859	N857/N864	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N859/N860	N857/N864	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N860/N1486	N857/N864	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1486/N861	N857/N864	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N861/N862	N857/N864	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N862/N863	N857/N864	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N863/N1488	N857/N864	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N1488/N864	N857/N864	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N864/N865	N864/N870	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N865/N866	N864/N870	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N866/N1506	N864/N870	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1506/N867	N864/N870	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N867/N868	N864/N870	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N868/N869	N864/N870	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N869/N1508	N864/N870	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N1508/N870	N864/N870	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N870/N871	N870/N876	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N871/N872	N870/N876	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N872/N1510	N870/N876	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1510/N873	N870/N876	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N873/N874	N870/N876	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N874/N875	N870/N876	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N875/N1512	N870/N876	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N1512/N876	N870/N876	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N877/N878	N877/N884	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N878/N879	N877/N884	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N879/N1485	N877/N884	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1485/N880	N877/N884	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N880/N881	N877/N884	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N881/N882	N877/N884	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N882/N1487	N877/N884	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1487/N883	N877/N884	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N883/N884	N877/N884	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N884/N885	N884/N890	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N885/N1505	N884/N890	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1505/N886	N884/N890	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N886/N887	N884/N890	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N887/N888	N884/N890	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N888/N1507	N884/N890	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1507/N889	N884/N890	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N889/N890	N884/N890	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N890/N891	N890/N896	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N891/N1509	N890/N896	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1509/N892	N890/N896	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N892/N893	N890/N896	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N893/N894	N890/N896	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N894/N1511	N890/N896	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1511/N895	N890/N896	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N895/N896	N890/N896	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N730/N770	N730/N770	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N710/N750	N710/N750	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N513/N550	N513/N550	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N514/N551	N514/N551	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N515/N552	N515/N552	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N516/N553	N516/N553	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N517/N554	N517/N554	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N524/N561	N524/N561	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N525/N562	N525/N562	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N526/N563	N526/N563	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N527/N564	N527/N564	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N528/N565	N528/N565	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N523/N560	N523/N560	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N522/N559	N522/N559	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N521/N558	N521/N558	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N520/N557	N520/N557	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N519/N556	N519/N556	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N512/N549	N512/N549	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N511/N548	N511/N548	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N510/N547	N510/N547	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N509/N546	N509/N546	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N508/N545	N508/N545	40x60x1.5 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N912/N911	N912/N911	100x100x4.0 (Tubo_Cuadrado_Colmena)	-	1.240	0.150	0.78	0.78	-	-
		N913/N910	N913/N910	100x100x4.0 (Tubo_Cuadrado_Colmena)	-	1.240	0.150	0.78	0.78	-	-
		N910/N914	N910/N914	100x100x4.0 (Tubo_Cuadrado_Colmena)	-	2.570	0.150	0.58	0.59	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N911/N915	N911/N915	100x100x4.0 (Tubo_Cuadrado_Colmena)	-	2.570	0.150	0.58	0.59	-	-
		N916/N917	N916/N917	75X75X3.0 (Tubo_Cuadrado_Colmena)	-	0.044	0.136	1.00	0.98	-	-
		N918/N919	N918/N919	75X75X3.0 (Tubo_Cuadrado_Colmena)	-	0.044	0.136	1.00	0.98	-	-
		N910/N921	N910/N921	120x60x2 (Rectangular_Colmmmena)	-	2.609	0.066	1.00	1.00	-	-
		N924/N915	N924/N915	120x60x2 (Rectangular_Colmmmena)	-	2.551	0.093	1.00	1.00	-	-
		N914/N925	N914/N925	120x60x2 (Rectangular_Colmmmena)	-	2.580	0.064	1.00	1.00	-	-
		N910/N930	N910/N930	120x60x2 (Rectangular_Colmmmena)	0.050	0.970	0.030	1.00	1.00	-	-
		N911/N931	N911/N931	120x60x2 (Rectangular_Colmmmena)	0.050	0.970	0.030	1.00	1.00	-	-
		N931/N935	N931/N930	120x60x2 (Rectangular_Colmmmena)	0.030	1.085	0.030	1.00	1.00	-	-
		N935/N930	N931/N930	120x60x2 (Rectangular_Colmmmena)	0.030	0.910	0.030	1.00	1.00	-	-
		N915/N932	N915/N932	120x60x2 (Rectangular_Colmmmena)	0.050	0.970	0.030	1.00	1.00	-	-
		N932/N936	N932/N933	120x60x2 (Rectangular_Colmmmena)	0.030	1.085	0.030	1.00	1.00	-	-
		N936/N933	N932/N933	120x60x2 (Rectangular_Colmmmena)	0.030	0.910	0.030	1.00	1.00	-	-
		N914/N933	N914/N933	120x60x2 (Rectangular_Colmmmena)	0.050	0.970	0.030	1.00	1.00	-	-
		N934/N923	N934/N926	100x100x6.0 (Tubo_Cuadrado_Colmena)	-	1.240	0.150	1.00	1.00	-	-
		N923/N926	N934/N926	100x100x6.0 (Tubo_Cuadrado_Colmena)	-	2.570	0.150	1.00	1.00	-	-
		N926/N914	N926/N914	150x50x4.0 (Rectangular_Colmmmena)	0.050	0.870	0.050	1.00	1.00	-	-
		N926/N927	N926/N927	120x60x2 (Rectangular_Colmmmena)	-	2.580	0.064	1.00	1.00	-	-
		N923/N935	N923/N935	120x60x2 (Rectangular_Colmmmena)	0.050	0.970	0.030	1.00	1.00	-	-
		N926/N936	N926/N936	120x60x2 (Rectangular_Colmmmena)	0.050	0.970	0.030	1.00	1.00	-	-
		N911/N920	N911/N923	150x50x4.0 (Rectangular_Colmmmena)	0.050	0.920	-	1.00	1.00	-	-
		N920/N923	N911/N923	150x50x4.0 (Rectangular_Colmmmena)	-	0.125	0.050	1.00	1.00	-	-
		N917/N920	N917/N920	120x60x2 (Rectangular_Colmmmena)	-	2.525	0.061	1.00	1.00	-	-
		N923/N922	N923/N922	120x60x2 (Rectangular_Colmmmena)	-	2.609	0.066	1.00	1.00	-	-
		N929/N928	N929/N928	120x60x2 (Rectangular_Colmmmena)	-	2.580	0.064	1.00	1.00	-	-
		N923/N910	N923/N910	150x50x4.0 (Rectangular_Colmmmena)	0.050	0.870	0.050	1.00	1.00	-	-
		N937/N938	N937/N944	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N938/N939	N937/N944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N939/N940	N937/N944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N940/N941	N937/N944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N941/N942	N937/N944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N942/N943	N937/N944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N943/N944	N937/N944	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N944/N945	N944/N950	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N945/N946	N944/N950	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N946/N947	N944/N950	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N947/N948	N944/N950	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N948/N949	N944/N950	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N949/N950	N944/N950	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N950/N951	N950/N956	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N951/N952	N950/N956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N952/N953	N950/N956	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N953/N954	N950/N956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N954/N955	N950/N956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N955/N956	N950/N956	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N957/N958	N957/N964	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N958/N959	N957/N964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N959/N960	N957/N964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N960/N961	N957/N964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N961/N962	N957/N964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N962/N963	N957/N964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N963/N964	N957/N964	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N964/N965	N964/N970	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N965/N966	N964/N970	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N966/N967	N964/N970	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N967/N968	N964/N970	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N968/N969	N964/N970	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N969/N970	N964/N970	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N970/N971	N970/N976	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N971/N972	N970/N976	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N972/N973	N970/N976	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N973/N974	N970/N976	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N974/N975	N970/N976	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N975/N976	N970/N976	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N977/N978	N977/N984	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N978/N979	N977/N984	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N979/N980	N977/N984	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N980/N1218	N977/N984	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1218/N981	N977/N984	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N981/N982	N977/N984	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N982/N983	N977/N984	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N983/N1220	N977/N984	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N1220/N984	N977/N984	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N984/N985	N984/N990	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N985/N986	N984/N990	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N986/N1234	N984/N990	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1234/N987	N984/N990	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N987/N988	N984/N990	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N988/N989	N984/N990	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N989/N1236	N984/N990	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1236/N990	N984/N990	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N990/N991	N990/N996	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N991/N992	N990/N996	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N992/N1238	N990/N996	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1238/N993	N990/N996	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N993/N994	N990/N996	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N994/N995	N990/N996	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N995/N1240	N990/N996	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1240/N996	N990/N996	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N997/N998	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N998/N999	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N999/N1217	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1217/N1000	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1000/N1001	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1001/N1002	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1002/N1219	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1219/N1003	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1003/N1004	N997/N1004	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N1004/N1005	N1004/N1010	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1005/N1233	N1004/N1010	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1233/N1006	N1004/N1010	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1006/N1007	N1004/N1010	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1007/N1008	N1004/N1010	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1008/N1235	N1004/N1010	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1235/N1009	N1004/N1010	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1009/N1010	N1004/N1010	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1010/N1011	N1010/N1016	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1011/N1237	N1010/N1016	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1237/N1012	N1010/N1016	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1012/N1013	N1010/N1016	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1013/N1014	N1010/N1016	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1014/N1239	N1010/N1016	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1239/N1015	N1010/N1016	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1015/N1016	N1010/N1016	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1017/N1018	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1018/N1019	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1019/N1020	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1020/N1266	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N1266/N1021	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N1021/N1022	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1022/N1023	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1023/N1268	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1268/N1024	N1017/N1024	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N1024/N1025	N1024/N1030	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1025/N1026	N1024/N1030	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1026/N1282	N1024/N1030	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1282/N1027	N1024/N1030	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1027/N1028	N1024/N1030	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1028/N1029	N1024/N1030	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1029/N1284	N1024/N1030	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1284/N1030	N1024/N1030	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N1030/N1031	N1030/N1036	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1031/N1032	N1030/N1036	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1032/N1286	N1030/N1036	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1286/N1033	N1030/N1036	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N1033/N1034	N1030/N1036	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1034/N1035	N1030/N1036	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1035/N1288	N1030/N1036	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1288/N1036	N1030/N1036	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1037/N1038	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1038/N1039	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1039/N1265	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1265/N1040	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1040/N1041	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1041/N1042	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1042/N1267	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N1267/N1043	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N1043/N1044	N1037/N1044	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N1044/N1045	N1044/N1050	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1045/N1281	N1044/N1050	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1281/N1046	N1044/N1050	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1046/N1047	N1044/N1050	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1047/N1048	N1044/N1050	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1048/N1283	N1044/N1050	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1283/N1049	N1044/N1050	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1049/N1050	N1044/N1050	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1050/N1051	N1050/N1056	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1051/N1285	N1050/N1056	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1285/N1052	N1050/N1056	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1052/N1053	N1050/N1056	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1053/N1054	N1050/N1056	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1054/N1287	N1050/N1056	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1287/N1055	N1050/N1056	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1055/N1056	N1050/N1056	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1057/N1058	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1058/N1059	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1059/N1060	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1060/N1434	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1434/N1061	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1061/N1062	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1062/N1063	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1063/N1436	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1436/N1064	N1057/N1064	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N1064/N1065	N1064/N1070	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1065/N1066	N1064/N1070	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1066/N1450	N1064/N1070	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1450/N1067	N1064/N1070	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1067/N1068	N1064/N1070	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1068/N1069	N1064/N1070	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1069/N1452	N1064/N1070	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1452/N1070	N1064/N1070	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N1070/N1071	N1070/N1076	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1071/N1072	N1070/N1076	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1072/N1454	N1070/N1076	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1454/N1073	N1070/N1076	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1073/N1074	N1070/N1076	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1074/N1075	N1070/N1076	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1075/N1456	N1070/N1076	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1456/N1076	N1070/N1076	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N1077/N1078	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1078/N1079	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1079/N1433	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1433/N1080	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1080/N1081	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1081/N1082	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1082/N1435	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1435/N1083	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1083/N1084	N1077/N1084	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N1084/N1085	N1084/N1090	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1085/N1449	N1084/N1090	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1449/N1086	N1084/N1090	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1086/N1087	N1084/N1090	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1087/N1088	N1084/N1090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1088/N1451	N1084/N1090	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1451/N1089	N1084/N1090	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1089/N1090	N1084/N1090	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1090/N1091	N1090/N1096	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1091/N1453	N1090/N1096	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1453/N1092	N1090/N1096	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1092/N1093	N1090/N1096	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1093/N1094	N1090/N1096	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1094/N1455	N1090/N1096	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1455/N1095	N1090/N1096	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1095/N1096	N1090/N1096	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N964/N944	N964/N944	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N964/N984	N964/N984	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N984/N1004	N984/N1004	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N944/N1004	N944/N1004	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N984/N1024	N984/N1024	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1024/N1044	N1024/N1044	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1004/N1044	N1004/N1044	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1097/N1098	N1097/N1098	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1098/N1099	N1098/N1099	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N1100/N1099	N1100/N1099	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1097/N1100	N1097/N1100	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N1099/N1084	N1099/N1084	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1064/N1084	N1064/N1084	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1100/N1064	N1100/N1064	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1084/N1101	N1084/N1101	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1102/N1101	N1102/N1101	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1064/N1102	N1064/N1102	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N970/N950	N970/N950	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N950/N1010	N950/N1010	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N970/N990	N970/N990	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N990/N1010	N990/N1010	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N990/N1030	N990/N1030	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1010/N1050	N1010/N1050	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1030/N1050	N1030/N1050	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1104/N1103	N1104/N1103	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N1105/N1106	N1105/N1106	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N1103/N1106	N1103/N1106	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1106/N1090	N1106/N1090	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1070/N1090	N1070/N1090	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1103/N1070	N1103/N1070	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1070/N1107	N1070/N1107	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1090/N1108	N1090/N1108	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1107/N1108	N1107/N1108	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1104/N1105	N1104/N1105	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N976/N956	N976/N956	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N996/N1016	N996/N1016	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1036/N1056	N1036/N1056	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1110/N1109	N1110/N1109	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1076/N1096	N1076/N1096	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1111/N1112	N1111/N1112	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1113/N1114	N1113/N1114	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N944/N644	N944/N644	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N1004/N664	N1004/N664	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1044/N704	N1044/N704	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1098/N744	N1098/N744	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1099/N784	N1099/N784	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1084/N824	N1084/N824	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1101/N864	N1101/N864	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N950/N650	N950/N650	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1010/N670	N1010/N670	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1050/N710	N1050/N710	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1105/N750	N1105/N750	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1106/N790	N1106/N790	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1090/N830	N1090/N830	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1108/N870	N1108/N870	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N956/N656	N956/N656	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N1016/N676	N1016/N676	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1056/N716	N1056/N716	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1114/N756	N1114/N756	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1109/N796	N1109/N796	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1096/N836	N1096/N836	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1112/N876	N1112/N876	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1024/N1097	N1024/N1097	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1044/N1098	N1044/N1098	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N958/N978	N958/N978	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N959/N979	N959/N979	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N960/N980	N960/N980	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N961/N981	N961/N981	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N962/N982	N962/N982	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N963/N983	N963/N983	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N978/N1018	N978/N1018	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N979/N1019	N979/N1019	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N980/N1020	N980/N1020	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N981/N1021	N981/N1021	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N982/N1022	N982/N1022	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N983/N1023	N983/N1023	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1115/N1058	N1115/N1058	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1116/N1059	N1116/N1059	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1117/N1060	N1117/N1060	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1118/N1061	N1118/N1061	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1119/N1062	N1119/N1062	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1120/N1063	N1120/N1063	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1058/N1121	N1058/N1121	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1059/N1122	N1059/N1122	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1060/N1123	N1060/N1123	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1061/N1124	N1061/N1124	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1062/N1125	N1062/N1125	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1063/N1126	N1063/N1126	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1065/N1127	N1065/N1127	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1066/N1128	N1066/N1128	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1068/N1129	N1068/N1129	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1069/N1130	N1069/N1130	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1067/N1131	N1067/N1131	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1132/N1065	N1132/N1065	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1133/N1066	N1133/N1066	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1134/N1068	N1134/N1068	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1135/N1069	N1135/N1069	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1136/N1067	N1136/N1067	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N985/N1025	N985/N1025	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N986/N1026	N986/N1026	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N988/N1028	N988/N1028	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N989/N1029	N989/N1029	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N987/N1027	N987/N1027	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N965/N985	N965/N985	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N966/N986	N966/N986	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N968/N988	N968/N988	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N969/N989	N969/N989	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N967/N987	N967/N987	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N973/N993	N973/N993	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N974/N994	N974/N994	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N975/N995	N975/N995	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N972/N992	N972/N992	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N971/N991	N971/N991	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N993/N1033	N993/N1033	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N994/N1034	N994/N1034	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N995/N1035	N995/N1035	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N992/N1032	N992/N1032	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N991/N1031	N991/N1031	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1137/N1073	N1137/N1073	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1138/N1074	N1138/N1074	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1139/N1075	N1139/N1075	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1140/N1072	N1140/N1072	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1141/N1071	N1141/N1071	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1073/N1142	N1073/N1142	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1075/N1143	N1075/N1143	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1074/N1144	N1074/N1144	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1071/N1145	N1071/N1145	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1072/N1146	N1072/N1146	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N938/N998	N938/N998	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N939/N999	N939/N999	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N940/N1000	N940/N1000	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N941/N1001	N941/N1001	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N942/N1002	N942/N1002	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N943/N1003	N943/N1003	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N998/N1038	N998/N1038	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N999/N1039	N999/N1039	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1000/N1040	N1000/N1040	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1001/N1041	N1001/N1041	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1002/N1042	N1002/N1042	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1003/N1043	N1003/N1043	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1147/N1078	N1147/N1078	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1148/N1079	N1148/N1079	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1149/N1080	N1149/N1080	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1150/N1081	N1150/N1081	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1151/N1082	N1151/N1082	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1152/N1083	N1152/N1083	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1078/N1153	N1078/N1153	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1079/N1154	N1079/N1154	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1080/N1155	N1080/N1155	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1081/N1156	N1081/N1156	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1082/N1157	N1082/N1157	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1083/N1158	N1083/N1158	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1085/N1159	N1085/N1159	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1086/N1160	N1086/N1160	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1088/N1161	N1088/N1161	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1089/N1162	N1089/N1162	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1087/N1163	N1087/N1163	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1164/N1085	N1164/N1085	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1165/N1086	N1165/N1086	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1166/N1088	N1166/N1088	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1167/N1089	N1167/N1089	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1168/N1087	N1168/N1087	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1005/N1045	N1005/N1045	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1006/N1046	N1006/N1046	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1008/N1048	N1008/N1048	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1009/N1049	N1009/N1049	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1007/N1047	N1007/N1047	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N945/N1005	N945/N1005	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N946/N1006	N946/N1006	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N948/N1008	N948/N1008	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N949/N1009	N949/N1009	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N947/N1007	N947/N1007	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N953/N1013	N953/N1013	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N954/N1014	N954/N1014	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N955/N1015	N955/N1015	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N952/N1012	N952/N1012	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N951/N1011	N951/N1011	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1013/N1053	N1013/N1053	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1014/N1054	N1014/N1054	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1015/N1055	N1015/N1055	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1012/N1052	N1012/N1052	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1011/N1051	N1011/N1051	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1169/N1093	N1169/N1093	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1170/N1094	N1170/N1094	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1171/N1095	N1171/N1095	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1172/N1092	N1172/N1092	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1173/N1091	N1173/N1091	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1093/N1174	N1093/N1174	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1095/N1175	N1095/N1175	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1094/N1176	N1094/N1176	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1091/N1177	N1091/N1177	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1092/N1178	N1092/N1178	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1018/N1179	N1018/N1179	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1019/N1180	N1019/N1180	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1020/N1181	N1020/N1181	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1021/N1182	N1021/N1182	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1022/N1183	N1022/N1183	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1023/N1184	N1023/N1184	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1025/N1185	N1025/N1185	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1026/N1186	N1026/N1186	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1028/N1187	N1028/N1187	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1029/N1188	N1029/N1188	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1027/N1189	N1027/N1189	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1033/N1190	N1033/N1190	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1034/N1191	N1034/N1191	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1035/N1192	N1035/N1192	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1032/N1193	N1032/N1193	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1031/N1194	N1031/N1194	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1038/N1195	N1038/N1195	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1039/N1196	N1039/N1196	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1040/N1197	N1040/N1197	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1041/N1198	N1041/N1198	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1042/N1199	N1042/N1199	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1043/N1200	N1043/N1200	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1045/N1201	N1045/N1201	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1046/N1202	N1046/N1202	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1048/N1203	N1048/N1203	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1049/N1204	N1049/N1204	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1047/N1205	N1047/N1205	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1053/N1206	N1053/N1206	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1054/N1207	N1054/N1207	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1055/N1208	N1055/N1208	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1052/N1209	N1052/N1209	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1051/N1210	N1051/N1210	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1211/N1179	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1179/N1180	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1180/N1181	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1181/N1338	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1338/N1182	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1182/N1183	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1183/N1184	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1184/N1340	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1340/N1097	N1211/N1097	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N1097/N1185	N1097/N1104	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N1185/N1186	N1097/N1104	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1186/N1354	N1097/N1104	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1354/N1189	N1097/N1104	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1189/N1187	N1097/N1104	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1187/N1188	N1097/N1104	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1188/N1356	N1097/N1104	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1356/N1104	N1097/N1104	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N1104/N1194	N1104/N1113	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N1194/N1193	N1104/N1113	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1193/N1358	N1104/N1113	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1358/N1190	N1104/N1113	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N1190/N1191	N1104/N1113	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1191/N1192	N1104/N1113	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1192/N1360	N1104/N1113	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1360/N1113	N1104/N1113	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1212/N1195	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1195/N1196	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1196/N1337	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1337/N1197	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1197/N1198	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1198/N1199	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1199/N1339	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1339/N1200	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1200/N1098	N1212/N1098	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N1098/N1201	N1098/N1105	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1201/N1353	N1098/N1105	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1353/N1202	N1098/N1105	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1202/N1205	N1098/N1105	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N1205/N1203	N1098/N1105	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1203/N1355	N1098/N1105	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1355/N1204	N1098/N1105	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1204/N1105	N1098/N1105	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1105/N1210	N1105/N1114	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1210/N1357	N1105/N1114	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1357/N1209	N1105/N1114	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1209/N1206	N1105/N1114	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1206/N1207	N1105/N1114	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1207/N1359	N1105/N1114	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1359/N1208	N1105/N1114	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1208/N1114	N1105/N1114	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1213/N1115	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1115/N1116	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1116/N1117	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1117/N1386	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1386/N1118	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1118/N1119	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1119/N1120	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1120/N1388	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1388/N1100	N1213/N1100	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N1100/N1132	N1100/N1103	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N1132/N1133	N1100/N1103	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1133/N1402	N1100/N1103	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1402/N1136	N1100/N1103	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1136/N1134	N1100/N1103	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1134/N1135	N1100/N1103	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1135/N1404	N1100/N1103	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N1404/N1103	N1100/N1103	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N1103/N1141	N1103/N1110	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N1141/N1140	N1103/N1110	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1140/N1406	N1103/N1110	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1406/N1137	N1103/N1110	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1137/N1138	N1103/N1110	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1138/N1139	N1103/N1110	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1139/N1408	N1103/N1110	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1408/N1110	N1103/N1110	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1214/N1147	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1147/N1148	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1148/N1385	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1385/N1149	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1149/N1150	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1150/N1151	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1151/N1387	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1387/N1152	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1152/N1099	N1214/N1099	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N1099/N1164	N1099/N1106	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1164/N1401	N1099/N1106	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1401/N1165	N1099/N1106	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1165/N1168	N1099/N1106	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1168/N1166	N1099/N1106	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1166/N1403	N1099/N1106	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1403/N1167	N1099/N1106	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1167/N1106	N1099/N1106	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1106/N1173	N1106/N1109	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1173/N1405	N1106/N1109	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1405/N1172	N1106/N1109	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1172/N1169	N1106/N1109	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1169/N1170	N1106/N1109	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1170/N1407	N1106/N1109	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1407/N1171	N1106/N1109	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1171/N1109	N1106/N1109	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1215/N1121	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1121/N1122	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1122/N1123	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1123/N1482	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1482/N1124	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1124/N1125	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1125/N1126	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1126/N1484	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N1484/N1102	N1215/N1102	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N1102/N1127	N1102/N1107	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N1127/N1128	N1102/N1107	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1128/N1498	N1102/N1107	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1498/N1131	N1102/N1107	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1131/N1129	N1102/N1107	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1129/N1130	N1102/N1107	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1130/N1500	N1102/N1107	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N1500/N1107	N1102/N1107	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N1107/N1145	N1107/N1111	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N1145/N1146	N1107/N1111	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1146/N1502	N1107/N1111	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1502/N1142	N1107/N1111	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1142/N1144	N1107/N1111	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1144/N1143	N1107/N1111	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1143/N1504	N1107/N1111	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N1504/N1111	N1107/N1111	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N1216/N1153	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1153/N1154	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1154/N1481	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1481/N1155	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1155/N1156	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1156/N1157	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1157/N1483	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1483/N1158	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1158/N1101	N1216/N1101	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N1101/N1159	N1101/N1108	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N1159/N1497	N1101/N1108	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1497/N1160	N1101/N1108	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1160/N1163	N1101/N1108	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1163/N1161	N1101/N1108	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1161/N1499	N1101/N1108	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1499/N1162	N1101/N1108	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1162/N1108	N1101/N1108	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N1108/N1177	N1108/N1112	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N1177/N1501	N1108/N1112	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1501/N1178	N1108/N1112	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1178/N1174	N1108/N1112	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1174/N1176	N1108/N1112	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1176/N1503	N1108/N1112	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1503/N1175	N1108/N1112	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1175/N1112	N1108/N1112	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N1050/N1105	N1050/N1105	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1030/N1104	N1030/N1104	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N958/N938	N958/N938	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N958/N940	N958/N940	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N940/N961	N940/N961	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N961/N943	N961/N943	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N943/N964	N943/N964	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N638/N618	N638/N618	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N638/N620	N638/N620	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N620/N641	N620/N641	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N641/N623	N641/N623	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N623/N644	N623/N644	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N22/N2	N22/N2	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N22/N4	N22/N4	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4/N25	N4/N25	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N25/N7	N25/N7	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N7/N28	N7/N28	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N346/N363	N346/N363	CF-60x2.0 (C)	0.065	0.195	0.065	1.00	1.00	-	-
		N346/N365	N346/N365	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N365/N349	N365/N349	CF-60x2.0 (C)	0.110	0.327	0.110	1.00	1.00	-	-
		N349/N368	N349/N368	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N368/N321	N368/N321	CF-60x2.0 (C)	0.121	0.363	0.121	1.00	1.00	-	-
		N964/N946	N964/N946	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N946/N967	N946/N967	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N967/N949	N967/N949	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N949/N970	N949/N970	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N970/N952	N970/N952	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N952/N973	N952/N973	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N973/N955	N973/N955	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N955/N976	N955/N976	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N644/N626	N644/N626	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N626/N647	N626/N647	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N647/N629	N647/N629	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N629/N650	N629/N650	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N650/N632	N650/N632	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N632/N653	N632/N653	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N653/N635	N653/N635	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N635/N656	N635/N656	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N28/N10	N28/N10	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N10/N31	N10/N31	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N31/N13	N31/N13	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N13/N34	N13/N34	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N34/N16	N34/N16	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N16/N37	N16/N37	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N37/N19	N37/N19	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N19/N40	N19/N40	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N321/N371	N321/N371	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N371/N354	N371/N354	CF-60x2.0 (C)	0.112	0.331	0.112	1.00	1.00	-	-
		N354/N374	N354/N374	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N374/N329	N374/N329	CF-60x2.0 (C)	0.112	0.331	0.112	1.00	1.00	-	-
		N329/N377	N329/N377	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N377/N359	N377/N359	CF-60x2.0 (C)	0.112	0.331	0.112	1.00	1.00	-	-
		N359/N380	N359/N380	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N380/N337	N380/N337	CF-60x2.0 (C)	0.112	0.331	0.112	1.00	1.00	-	-
		N919/N911	N919/N911	120x60x2 (Rectangular_Colmmmena)	-	2.497	0.089	1.00	1.00	-	-
		N1529/N1530	N1529/N1536	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1530/N1531	N1529/N1536	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1531/N1532	N1529/N1536	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1532/N1533	N1529/N1536	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1533/N1534	N1529/N1536	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1534/N1535	N1529/N1536	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1535/N1536	N1529/N1536	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N1536/N1537	N1536/N1542	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N1537/N1538	N1536/N1542	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1538/N1539	N1536/N1542	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1539/N1540	N1536/N1542	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1540/N1541	N1536/N1542	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1541/N1542	N1536/N1542	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N1542/N1543	N1542/N1548	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N1543/N1544	N1542/N1548	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1544/N1545	N1542/N1548	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1545/N1546	N1542/N1548	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1546/N1547	N1542/N1548	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1547/N1548	N1542/N1548	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N1549/N1550	N1549/N1556	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1550/N1551	N1549/N1556	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1551/N1552	N1549/N1556	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1552/N1553	N1549/N1556	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1553/N1554	N1549/N1556	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1554/N1555	N1549/N1556	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1555/N1556	N1549/N1556	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N1556/N1557	N1556/N1562	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N1557/N1558	N1556/N1562	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1558/N1559	N1556/N1562	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1559/N1560	N1556/N1562	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1560/N1561	N1556/N1562	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1561/N1562	N1556/N1562	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N1562/N1563	N1562/N1568	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N1563/N1564	N1562/N1568	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1564/N1565	N1562/N1568	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1565/N1566	N1562/N1568	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1566/N1567	N1562/N1568	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1567/N1568	N1562/N1568	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N1569/N1570	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1570/N1571	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1571/N1572	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1572/N1573	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1573/N1574	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1574/N1575	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1575/N1576	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1576/N1577	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N1577/N1578	N1569/N1578	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N1578/N1579	N1578/N1586	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1579/N1580	N1578/N1586	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1580/N1581	N1578/N1586	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1581/N1582	N1578/N1586	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1582/N1583	N1578/N1586	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1583/N1584	N1578/N1586	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1584/N1585	N1578/N1586	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1585/N1586	N1578/N1586	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N1586/N1587	N1586/N1594	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1587/N1588	N1586/N1594	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1588/N1589	N1586/N1594	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1589/N1590	N1586/N1594	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N1590/N1591	N1586/N1594	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1591/N1592	N1586/N1594	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1592/N1593	N1586/N1594	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1593/N1594	N1586/N1594	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1595/N1596	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1596/N1597	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1597/N1598	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1598/N1599	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1599/N1600	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1600/N1601	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1601/N1602	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1602/N1603	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1603/N1604	N1595/N1604	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N1604/N1605	N1604/N1612	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1605/N1606	N1604/N1612	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1606/N1607	N1604/N1612	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1607/N1608	N1604/N1612	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1608/N1609	N1604/N1612	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1609/N1610	N1604/N1612	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1610/N1611	N1604/N1612	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1611/N1612	N1604/N1612	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1612/N1613	N1612/N1620	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1613/N1614	N1612/N1620	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1614/N1615	N1612/N1620	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1615/N1616	N1612/N1620	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1616/N1617	N1612/N1620	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1617/N1618	N1612/N1620	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1618/N1619	N1612/N1620	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1619/N1620	N1612/N1620	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1621/N1622	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1622/N1623	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1623/N1624	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1624/N1625	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N1625/N1626	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N1626/N1627	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1627/N1628	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1628/N1629	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1629/N1630	N1621/N1630	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N1630/N1631	N1630/N1638	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1631/N1632	N1630/N1638	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1632/N1633	N1630/N1638	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1633/N1634	N1630/N1638	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1634/N1635	N1630/N1638	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1635/N1636	N1630/N1638	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1636/N1637	N1630/N1638	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1637/N1638	N1630/N1638	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N1638/N1639	N1638/N1646	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1639/N1640	N1638/N1646	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1640/N1641	N1638/N1646	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1641/N1642	N1638/N1646	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N1642/N1643	N1638/N1646	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1643/N1644	N1638/N1646	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1644/N1645	N1638/N1646	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1645/N1646	N1638/N1646	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1647/N1648	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1648/N1649	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1649/N1650	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1650/N1651	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1651/N1652	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1652/N1653	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1653/N1654	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N1654/N1655	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N1655/N1656	N1647/N1656	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N1656/N1657	N1656/N1664	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1657/N1658	N1656/N1664	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1658/N1659	N1656/N1664	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1659/N1660	N1656/N1664	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1660/N1661	N1656/N1664	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1661/N1662	N1656/N1664	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1662/N1663	N1656/N1664	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1663/N1664	N1656/N1664	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1664/N1665	N1664/N1672	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1665/N1666	N1664/N1672	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1666/N1667	N1664/N1672	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1667/N1668	N1664/N1672	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1668/N1669	N1664/N1672	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1669/N1670	N1664/N1672	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1670/N1671	N1664/N1672	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1671/N1672	N1664/N1672	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1673/N1674	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1674/N1675	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1675/N1676	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1676/N1677	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1677/N1678	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1678/N1679	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1679/N1680	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1680/N1681	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1681/N1682	N1673/N1682	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N1682/N1683	N1682/N1690	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1683/N1684	N1682/N1690	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1684/N1685	N1682/N1690	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1685/N1686	N1682/N1690	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1686/N1687	N1682/N1690	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1687/N1688	N1682/N1690	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1688/N1689	N1682/N1690	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1689/N1690	N1682/N1690	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N1690/N1691	N1690/N1698	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1691/N1692	N1690/N1698	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1692/N1693	N1690/N1698	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1693/N1694	N1690/N1698	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1694/N1695	N1690/N1698	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1695/N1696	N1690/N1698	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1696/N1697	N1690/N1698	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1697/N1698	N1690/N1698	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N1699/N1700	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1700/N1701	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1701/N1702	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1702/N1703	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1703/N1704	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1704/N1705	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1705/N1706	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1706/N1707	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1707/N1708	N1699/N1708	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N1708/N1709	N1708/N1716	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1709/N1710	N1708/N1716	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1710/N1711	N1708/N1716	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1711/N1712	N1708/N1716	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1712/N1713	N1708/N1716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1713/N1714	N1708/N1716	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1714/N1715	N1708/N1716	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1715/N1716	N1708/N1716	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1716/N1717	N1716/N1724	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1717/N1718	N1716/N1724	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1718/N1719	N1716/N1724	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1719/N1720	N1716/N1724	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1720/N1721	N1716/N1724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1721/N1722	N1716/N1724	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1722/N1723	N1716/N1724	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1723/N1724	N1716/N1724	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1556/N1536	N1556/N1536	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N1556/N1578	N1556/N1578	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1578/N1604	N1578/N1604	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1536/N1604	N1536/N1604	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1578/N1630	N1578/N1630	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1630/N1656	N1630/N1656	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1604/N1656	N1604/N1656	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1725/N1726	N1725/N1726	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1726/N1727	N1726/N1727	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N1728/N1727	N1728/N1727	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1725/N1728	N1725/N1728	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N1727/N1708	N1727/N1708	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1682/N1708	N1682/N1708	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1728/N1682	N1728/N1682	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1708/N1729	N1708/N1729	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1730/N1729	N1730/N1729	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1682/N1730	N1682/N1730	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1562/N1542	N1562/N1542	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N1542/N1612	N1542/N1612	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1562/N1586	N1562/N1586	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1586/N1612	N1586/N1612	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1586/N1638	N1586/N1638	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1612/N1664	N1612/N1664	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1638/N1664	N1638/N1664	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1732/N1731	N1732/N1731	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N1733/N1734	N1733/N1734	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N1731/N1734	N1731/N1734	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1734/N1716	N1734/N1716	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1690/N1716	N1690/N1716	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1731/N1690	N1731/N1690	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1690/N1735	N1690/N1735	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1716/N1736	N1716/N1736	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1735/N1736	N1735/N1736	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1732/N1733	N1732/N1733	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1568/N1548	N1568/N1548	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N1594/N1620	N1594/N1620	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1646/N1672	N1646/N1672	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1738/N1737	N1738/N1737	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1698/N1724	N1698/N1724	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1739/N1740	N1739/N1740	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1741/N1742	N1741/N1742	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1536/N964	N1536/N964	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N1604/N984	N1604/N984	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1656/N1024	N1656/N1024	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1726/N1097	N1726/N1097	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1727/N1100	N1727/N1100	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1708/N1064	N1708/N1064	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1729/N1102	N1729/N1102	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1542/N970	N1542/N970	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N1612/N990	N1612/N990	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1664/N1030	N1664/N1030	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1733/N1104	N1733/N1104	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1734/N1103	N1734/N1103	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1716/N1070	N1716/N1070	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1736/N1107	N1736/N1107	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1548/N976	N1548/N976	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N1620/N996	N1620/N996	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1672/N1036	N1672/N1036	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1742/N1113	N1742/N1113	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1737/N1110	N1737/N1110	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1724/N1076	N1724/N1076	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1740/N1111	N1740/N1111	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1630/N1725	N1630/N1725	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1656/N1726	N1656/N1726	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1550/N1570	N1550/N1570	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1551/N1571	N1551/N1571	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1552/N1572	N1552/N1572	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1553/N1574	N1553/N1574	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1554/N1575	N1554/N1575	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1555/N1576	N1555/N1576	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1570/N1622	N1570/N1622	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1571/N1623	N1571/N1623	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1572/N1624	N1572/N1624	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1574/N1626	N1574/N1626	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1575/N1627	N1575/N1627	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1576/N1628	N1576/N1628	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1743/N1674	N1743/N1674	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1744/N1675	N1744/N1675	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1745/N1676	N1745/N1676	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1746/N1678	N1746/N1678	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1747/N1679	N1747/N1679	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1748/N1680	N1748/N1680	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1674/N1749	N1674/N1749	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1675/N1750	N1675/N1750	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1676/N1751	N1676/N1751	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1678/N1752	N1678/N1752	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1679/N1753	N1679/N1753	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1680/N1754	N1680/N1754	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1683/N1755	N1683/N1755	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1684/N1756	N1684/N1756	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1687/N1757	N1687/N1757	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1688/N1758	N1688/N1758	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1686/N1759	N1686/N1759	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1760/N1683	N1760/N1683	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1761/N1684	N1761/N1684	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1762/N1687	N1762/N1687	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1763/N1688	N1763/N1688	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1764/N1686	N1764/N1686	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1579/N1631	N1579/N1631	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1580/N1632	N1580/N1632	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1583/N1635	N1583/N1635	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1584/N1636	N1584/N1636	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1582/N1634	N1582/N1634	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1557/N1579	N1557/N1579	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1558/N1580	N1558/N1580	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1560/N1583	N1560/N1583	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1561/N1584	N1561/N1584	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1559/N1582	N1559/N1582	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1565/N1590	N1565/N1590	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1566/N1591	N1566/N1591	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1567/N1592	N1567/N1592	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1564/N1588	N1564/N1588	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1563/N1587	N1563/N1587	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1590/N1642	N1590/N1642	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1591/N1643	N1591/N1643	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1592/N1644	N1592/N1644	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1588/N1640	N1588/N1640	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1587/N1639	N1587/N1639	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1765/N1694	N1765/N1694	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1766/N1695	N1766/N1695	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1767/N1696	N1767/N1696	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1768/N1692	N1768/N1692	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1769/N1691	N1769/N1691	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1694/N1770	N1694/N1770	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1696/N1771	N1696/N1771	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1695/N1772	N1695/N1772	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1691/N1773	N1691/N1773	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1692/N1774	N1692/N1774	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1530/N1596	N1530/N1596	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1531/N1597	N1531/N1597	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1532/N1599	N1532/N1599	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1533/N1600	N1533/N1600	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1534/N1601	N1534/N1601	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1535/N1603	N1535/N1603	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1596/N1648	N1596/N1648	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1597/N1649	N1597/N1649	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1599/N1651	N1599/N1651	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1600/N1652	N1600/N1652	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1601/N1653	N1601/N1653	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1603/N1655	N1603/N1655	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1775/N1700	N1775/N1700	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1776/N1701	N1776/N1701	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1777/N1703	N1777/N1703	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1778/N1704	N1778/N1704	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1779/N1705	N1779/N1705	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1780/N1707	N1780/N1707	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1700/N1781	N1700/N1781	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1701/N1782	N1701/N1782	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1703/N1783	N1703/N1783	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1704/N1784	N1704/N1784	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1705/N1785	N1705/N1785	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1707/N1786	N1707/N1786	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1709/N1787	N1709/N1787	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1711/N1788	N1711/N1788	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1713/N1789	N1713/N1789	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1715/N1790	N1715/N1790	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1712/N1791	N1712/N1791	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1792/N1709	N1792/N1709	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1793/N1711	N1793/N1711	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1794/N1713	N1794/N1713	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1795/N1715	N1795/N1715	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1796/N1712	N1796/N1712	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1605/N1657	N1605/N1657	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1607/N1659	N1607/N1659	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1609/N1661	N1609/N1661	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1611/N1663	N1611/N1663	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1608/N1660	N1608/N1660	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1537/N1605	N1537/N1605	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1538/N1607	N1538/N1607	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1540/N1609	N1540/N1609	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1541/N1611	N1541/N1611	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1539/N1608	N1539/N1608	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1545/N1616	N1545/N1616	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1546/N1617	N1546/N1617	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1547/N1619	N1547/N1619	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1544/N1615	N1544/N1615	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1543/N1613	N1543/N1613	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1616/N1668	N1616/N1668	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1617/N1669	N1617/N1669	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1619/N1671	N1619/N1671	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1615/N1667	N1615/N1667	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1613/N1665	N1613/N1665	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1797/N1720	N1797/N1720	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1798/N1721	N1798/N1721	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1799/N1723	N1799/N1723	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1800/N1719	N1800/N1719	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1801/N1717	N1801/N1717	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1720/N1802	N1720/N1802	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1723/N1803	N1723/N1803	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1721/N1804	N1721/N1804	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1717/N1805	N1717/N1805	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1719/N1806	N1719/N1806	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1622/N1807	N1622/N1807	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1623/N1808	N1623/N1808	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1624/N1809	N1624/N1809	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1626/N1810	N1626/N1810	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1627/N1811	N1627/N1811	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1628/N1812	N1628/N1812	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1631/N1813	N1631/N1813	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1632/N1814	N1632/N1814	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1635/N1815	N1635/N1815	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1636/N1816	N1636/N1816	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1634/N1817	N1634/N1817	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1642/N1818	N1642/N1818	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1643/N1819	N1643/N1819	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1644/N1820	N1644/N1820	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1640/N1821	N1640/N1821	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1639/N1822	N1639/N1822	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1648/N1823	N1648/N1823	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1649/N1824	N1649/N1824	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1651/N1825	N1651/N1825	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1652/N1826	N1652/N1826	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1653/N1827	N1653/N1827	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1655/N1828	N1655/N1828	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1657/N1829	N1657/N1829	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1659/N1830	N1659/N1830	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1661/N1831	N1661/N1831	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1663/N1832	N1663/N1832	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1660/N1833	N1660/N1833	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1668/N1834	N1668/N1834	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1669/N1835	N1669/N1835	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1671/N1836	N1671/N1836	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1667/N1837	N1667/N1837	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1665/N1838	N1665/N1838	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1839/N1807	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1807/N1808	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1808/N1809	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1809/N1840	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1840/N1810	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1810/N1811	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1811/N1812	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1812/N1841	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1841/N1725	N1839/N1725	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N1725/N1813	N1725/N1732	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N1813/N1814	N1725/N1732	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1814/N1842	N1725/N1732	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1842/N1817	N1725/N1732	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1817/N1815	N1725/N1732	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1815/N1816	N1725/N1732	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1816/N1843	N1725/N1732	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1843/N1732	N1725/N1732	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N1732/N1822	N1732/N1741	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N1822/N1821	N1732/N1741	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1821/N1844	N1732/N1741	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1844/N1818	N1732/N1741	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N1818/N1819	N1732/N1741	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1819/N1820	N1732/N1741	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1820/N1845	N1732/N1741	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1845/N1741	N1732/N1741	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1846/N1823	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1823/N1824	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1824/N1847	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1847/N1825	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1825/N1826	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1826/N1827	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1827/N1848	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1848/N1828	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1828/N1726	N1846/N1726	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N1726/N1829	N1726/N1733	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1829/N1849	N1726/N1733	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1849/N1830	N1726/N1733	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1830/N1833	N1726/N1733	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N1833/N1831	N1726/N1733	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1831/N1850	N1726/N1733	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1850/N1832	N1726/N1733	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1832/N1733	N1726/N1733	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1733/N1838	N1733/N1742	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1838/N1851	N1733/N1742	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1851/N1837	N1733/N1742	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1837/N1834	N1733/N1742	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1834/N1835	N1733/N1742	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1835/N1852	N1733/N1742	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1852/N1836	N1733/N1742	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1836/N1742	N1733/N1742	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1853/N1743	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1743/N1744	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1744/N1745	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1745/N1854	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1854/N1746	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1746/N1747	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1747/N1748	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1748/N1855	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1855/N1728	N1853/N1728	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N1728/N1760	N1728/N1731	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N1760/N1761	N1728/N1731	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1761/N1856	N1728/N1731	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1856/N1764	N1728/N1731	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1764/N1762	N1728/N1731	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1762/N1763	N1728/N1731	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1763/N1857	N1728/N1731	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N1857/N1731	N1728/N1731	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N1731/N1769	N1731/N1738	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N1769/N1768	N1731/N1738	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1768/N1858	N1731/N1738	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1858/N1765	N1731/N1738	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1765/N1766	N1731/N1738	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1766/N1767	N1731/N1738	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1767/N1859	N1731/N1738	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1859/N1738	N1731/N1738	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1860/N1775	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1775/N1776	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1776/N1861	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1861/N1777	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1777/N1778	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1778/N1779	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1779/N1862	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1862/N1780	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1780/N1727	N1860/N1727	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N1727/N1792	N1727/N1734	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1792/N1863	N1727/N1734	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1863/N1793	N1727/N1734	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1793/N1796	N1727/N1734	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1796/N1794	N1727/N1734	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1794/N1864	N1727/N1734	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1864/N1795	N1727/N1734	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1795/N1734	N1727/N1734	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1734/N1801	N1734/N1737	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1801/N1865	N1734/N1737	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1865/N1800	N1734/N1737	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1800/N1797	N1734/N1737	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1797/N1798	N1734/N1737	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1798/N1866	N1734/N1737	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1866/N1799	N1734/N1737	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1799/N1737	N1734/N1737	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1867/N1749	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1749/N1750	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1750/N1751	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1751/N1868	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1868/N1752	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1752/N1753	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1753/N1754	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1754/N1869	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N1869/N1730	N1867/N1730	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N1730/N1755	N1730/N1735	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N1755/N1756	N1730/N1735	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1756/N1870	N1730/N1735	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1870/N1759	N1730/N1735	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1759/N1757	N1730/N1735	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1757/N1758	N1730/N1735	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1758/N1871	N1730/N1735	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N1871/N1735	N1730/N1735	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N1735/N1773	N1735/N1739	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N1773/N1774	N1735/N1739	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1774/N1872	N1735/N1739	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1872/N1770	N1735/N1739	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1770/N1772	N1735/N1739	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1772/N1771	N1735/N1739	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1771/N1873	N1735/N1739	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N1873/N1739	N1735/N1739	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N1874/N1781	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1781/N1782	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1782/N1875	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1875/N1783	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1783/N1784	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1784/N1785	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1785/N1876	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1876/N1786	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1786/N1729	N1874/N1729	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N1729/N1787	N1729/N1736	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N1787/N1877	N1729/N1736	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1877/N1788	N1729/N1736	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1788/N1791	N1729/N1736	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1791/N1789	N1729/N1736	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1789/N1878	N1729/N1736	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1878/N1790	N1729/N1736	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1790/N1736	N1729/N1736	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N1736/N1805	N1736/N1740	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N1805/N1879	N1736/N1740	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1879/N1806	N1736/N1740	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1806/N1802	N1736/N1740	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1802/N1804	N1736/N1740	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1804/N1880	N1736/N1740	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1880/N1803	N1736/N1740	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1803/N1740	N1736/N1740	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N1664/N1733	N1664/N1733	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1638/N1732	N1638/N1732	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1881/N1882	N1881/N1888	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1882/N1883	N1881/N1888	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1883/N1884	N1881/N1888	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1884/N1885	N1881/N1888	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1885/N1886	N1881/N1888	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1886/N1887	N1881/N1888	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1887/N1888	N1881/N1888	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N1888/N1889	N1888/N1894	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N1889/N1890	N1888/N1894	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1890/N1891	N1888/N1894	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1891/N1892	N1888/N1894	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1892/N1893	N1888/N1894	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1893/N1894	N1888/N1894	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N1894/N1895	N1894/N1900	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N1895/N1896	N1894/N1900	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1896/N1897	N1894/N1900	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1897/N1898	N1894/N1900	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1898/N1899	N1894/N1900	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1899/N1900	N1894/N1900	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N1901/N1902	N1901/N1908	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1902/N1903	N1901/N1908	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1903/N1904	N1901/N1908	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1904/N1905	N1901/N1908	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1905/N1906	N1901/N1908	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1906/N1907	N1901/N1908	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1907/N1908	N1901/N1908	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N1908/N1909	N1908/N1914	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N1909/N1910	N1908/N1914	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1910/N1911	N1908/N1914	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1911/N1912	N1908/N1914	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1912/N1913	N1908/N1914	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1913/N1914	N1908/N1914	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N1914/N1915	N1914/N1920	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N1915/N1916	N1914/N1920	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1916/N1917	N1914/N1920	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1917/N1918	N1914/N1920	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1918/N1919	N1914/N1920	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1919/N1920	N1914/N1920	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N1921/N1922	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1922/N1923	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1923/N1924	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1924/N1925	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1925/N1926	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1926/N1927	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1927/N1928	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1928/N1929	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N1929/N1930	N1921/N1930	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N1930/N1931	N1930/N1938	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1931/N1932	N1930/N1938	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1932/N1933	N1930/N1938	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1933/N1934	N1930/N1938	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1934/N1935	N1930/N1938	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1935/N1936	N1930/N1938	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1936/N1937	N1930/N1938	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1937/N1938	N1930/N1938	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N1938/N1939	N1938/N1946	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1939/N1940	N1938/N1946	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1940/N1941	N1938/N1946	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1941/N1942	N1938/N1946	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N1942/N1943	N1938/N1946	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1943/N1944	N1938/N1946	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1944/N1945	N1938/N1946	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1945/N1946	N1938/N1946	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1947/N1948	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1948/N1949	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1949/N1950	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1950/N1951	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1951/N1952	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1952/N1953	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1953/N1954	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1954/N1955	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N1955/N1956	N1947/N1956	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N1956/N1957	N1956/N1964	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1957/N1958	N1956/N1964	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1958/N1959	N1956/N1964	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1959/N1960	N1956/N1964	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1960/N1961	N1956/N1964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1961/N1962	N1956/N1964	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1962/N1963	N1956/N1964	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1963/N1964	N1956/N1964	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N1964/N1965	N1964/N1972	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N1965/N1966	N1964/N1972	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1966/N1967	N1964/N1972	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1967/N1968	N1964/N1972	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N1968/N1969	N1964/N1972	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1969/N1970	N1964/N1972	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N1970/N1971	N1964/N1972	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N1971/N1972	N1964/N1972	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1973/N1974	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N1974/N1975	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1975/N1976	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1976/N1977	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N1977/N1978	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N1978/N1979	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1979/N1980	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1980/N1981	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N1981/N1982	N1973/N1982	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N1982/N1983	N1982/N1990	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1983/N1984	N1982/N1990	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1984/N1985	N1982/N1990	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1985/N1986	N1982/N1990	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N1986/N1987	N1982/N1990	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1987/N1988	N1982/N1990	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1988/N1989	N1982/N1990	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N1989/N1990	N1982/N1990	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N1990/N1991	N1990/N1998	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N1991/N1992	N1990/N1998	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1992/N1993	N1990/N1998	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N1993/N1994	N1990/N1998	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N1994/N1995	N1990/N1998	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N1995/N1996	N1990/N1998	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N1996/N1997	N1990/N1998	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N1997/N1998	N1990/N1998	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N1999/N2000	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2000/N2001	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2001/N2002	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2002/N2003	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2003/N2004	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2004/N2005	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2005/N2006	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N2006/N2007	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N2007/N2008	N1999/N2008	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N2008/N2009	N2008/N2016	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2009/N2010	N2008/N2016	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2010/N2011	N2008/N2016	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2011/N2012	N2008/N2016	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2012/N2013	N2008/N2016	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2013/N2014	N2008/N2016	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2014/N2015	N2008/N2016	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2015/N2016	N2008/N2016	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2016/N2017	N2016/N2024	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2017/N2018	N2016/N2024	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2018/N2019	N2016/N2024	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2019/N2020	N2016/N2024	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2020/N2021	N2016/N2024	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2021/N2022	N2016/N2024	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2022/N2023	N2016/N2024	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2023/N2024	N2016/N2024	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2025/N2026	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2026/N2027	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2027/N2028	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2028/N2029	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2029/N2030	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2030/N2031	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2031/N2032	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2032/N2033	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2033/N2034	N2025/N2034	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N2034/N2035	N2034/N2042	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2035/N2036	N2034/N2042	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2036/N2037	N2034/N2042	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2037/N2038	N2034/N2042	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2038/N2039	N2034/N2042	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2039/N2040	N2034/N2042	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2040/N2041	N2034/N2042	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2041/N2042	N2034/N2042	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N2042/N2043	N2042/N2050	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2043/N2044	N2042/N2050	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2044/N2045	N2042/N2050	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2045/N2046	N2042/N2050	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2046/N2047	N2042/N2050	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2047/N2048	N2042/N2050	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2048/N2049	N2042/N2050	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2049/N2050	N2042/N2050	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N2051/N2052	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2052/N2053	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2053/N2054	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2054/N2055	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2055/N2056	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2056/N2057	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2057/N2058	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2058/N2059	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2059/N2060	N2051/N2060	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N2060/N2061	N2060/N2068	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2061/N2062	N2060/N2068	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2062/N2063	N2060/N2068	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2063/N2064	N2060/N2068	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2064/N2065	N2060/N2068	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2065/N2066	N2060/N2068	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2066/N2067	N2060/N2068	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2067/N2068	N2060/N2068	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2068/N2069	N2068/N2076	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2069/N2070	N2068/N2076	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2070/N2071	N2068/N2076	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2071/N2072	N2068/N2076	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2072/N2073	N2068/N2076	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2073/N2074	N2068/N2076	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2074/N2075	N2068/N2076	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2075/N2076	N2068/N2076	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N1908/N1888	N1908/N1888	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N1908/N1930	N1908/N1930	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1930/N1956	N1930/N1956	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1888/N1956	N1888/N1956	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1930/N1982	N1930/N1982	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1982/N2008	N1982/N2008	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1956/N2008	N1956/N2008	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2077/N2078	N2077/N2078	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2078/N2079	N2078/N2079	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2080/N2079	N2080/N2079	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2077/N2080	N2077/N2080	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2079/N2060	N2079/N2060	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2034/N2060	N2034/N2060	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2080/N2034	N2080/N2034	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2060/N2081	N2060/N2081	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2082/N2081	N2082/N2081	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2034/N2082	N2034/N2082	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1914/N1894	N1914/N1894	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N1894/N1964	N1894/N1964	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1914/N1938	N1914/N1938	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1938/N1964	N1938/N1964	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1938/N1990	N1938/N1990	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1964/N2016	N1964/N2016	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1990/N2016	N1990/N2016	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2084/N2083	N2084/N2083	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2085/N2086	N2085/N2086	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2083/N2086	N2083/N2086	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2086/N2068	N2086/N2068	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2042/N2068	N2042/N2068	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2083/N2042	N2083/N2042	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2042/N2087	N2042/N2087	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2068/N2088	N2068/N2088	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2087/N2088	N2087/N2088	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2084/N2085	N2084/N2085	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1920/N1900	N1920/N1900	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N1946/N1972	N1946/N1972	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1998/N2024	N1998/N2024	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2090/N2089	N2090/N2089	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2050/N2076	N2050/N2076	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2091/N2092	N2091/N2092	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2093/N2094	N2093/N2094	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N1888/N1556	N1888/N1556	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N1956/N1578	N1956/N1578	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2008/N1630	N2008/N1630	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2078/N1725	N2078/N1725	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2079/N1728	N2079/N1728	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2060/N1682	N2060/N1682	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2081/N1730	N2081/N1730	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1894/N1562	N1894/N1562	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N1964/N1586	N1964/N1586	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2016/N1638	N2016/N1638	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2085/N1732	N2085/N1732	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2086/N1731	N2086/N1731	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2068/N1690	N2068/N1690	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2088/N1735	N2088/N1735	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1900/N1568	N1900/N1568	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N1972/N1594	N1972/N1594	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2024/N1646	N2024/N1646	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2094/N1741	N2094/N1741	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2089/N1738	N2089/N1738	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2076/N1698	N2076/N1698	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2092/N1739	N2092/N1739	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N1982/N2077	N1982/N2077	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2008/N2078	N2008/N2078	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1902/N1922	N1902/N1922	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1903/N1923	N1903/N1923	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1904/N1924	N1904/N1924	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1905/N1926	N1905/N1926	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1906/N1927	N1906/N1927	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1907/N1928	N1907/N1928	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1922/N1974	N1922/N1974	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1923/N1975	N1923/N1975	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1924/N1976	N1924/N1976	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1926/N1978	N1926/N1978	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1927/N1979	N1927/N1979	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1928/N1980	N1928/N1980	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2095/N2026	N2095/N2026	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2096/N2027	N2096/N2027	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2097/N2028	N2097/N2028	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2098/N2030	N2098/N2030	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2099/N2031	N2099/N2031	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2100/N2032	N2100/N2032	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2026/N2101	N2026/N2101	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2027/N2102	N2027/N2102	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2028/N2103	N2028/N2103	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2030/N2104	N2030/N2104	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2031/N2105	N2031/N2105	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2032/N2106	N2032/N2106	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2035/N2107	N2035/N2107	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2036/N2108	N2036/N2108	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2039/N2109	N2039/N2109	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2040/N2110	N2040/N2110	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2038/N2111	N2038/N2111	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2112/N2035	N2112/N2035	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2113/N2036	N2113/N2036	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2114/N2039	N2114/N2039	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2115/N2040	N2115/N2040	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2116/N2038	N2116/N2038	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1931/N1983	N1931/N1983	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1932/N1984	N1932/N1984	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1935/N1987	N1935/N1987	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1936/N1988	N1936/N1988	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1934/N1986	N1934/N1986	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1909/N1931	N1909/N1931	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1910/N1932	N1910/N1932	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1912/N1935	N1912/N1935	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1913/N1936	N1913/N1936	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1911/N1934	N1911/N1934	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1917/N1942	N1917/N1942	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1918/N1943	N1918/N1943	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1919/N1944	N1919/N1944	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1916/N1940	N1916/N1940	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1915/N1939	N1915/N1939	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1942/N1994	N1942/N1994	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1943/N1995	N1943/N1995	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1944/N1996	N1944/N1996	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1940/N1992	N1940/N1992	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1939/N1991	N1939/N1991	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2117/N2046	N2117/N2046	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2118/N2047	N2118/N2047	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2119/N2048	N2119/N2048	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2120/N2044	N2120/N2044	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2121/N2043	N2121/N2043	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2046/N2122	N2046/N2122	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2048/N2123	N2048/N2123	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2047/N2124	N2047/N2124	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2043/N2125	N2043/N2125	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2044/N2126	N2044/N2126	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1882/N1948	N1882/N1948	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1883/N1949	N1883/N1949	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1884/N1951	N1884/N1951	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1885/N1952	N1885/N1952	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1886/N1953	N1886/N1953	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1887/N1955	N1887/N1955	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1948/N2000	N1948/N2000	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1949/N2001	N1949/N2001	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1951/N2003	N1951/N2003	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1952/N2004	N1952/N2004	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1953/N2005	N1953/N2005	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1955/N2007	N1955/N2007	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2127/N2052	N2127/N2052	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2128/N2053	N2128/N2053	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2129/N2055	N2129/N2055	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2130/N2056	N2130/N2056	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2131/N2057	N2131/N2057	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2132/N2059	N2132/N2059	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2052/N2133	N2052/N2133	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2053/N2134	N2053/N2134	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2055/N2135	N2055/N2135	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2056/N2136	N2056/N2136	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2057/N2137	N2057/N2137	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2059/N2138	N2059/N2138	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2061/N2139	N2061/N2139	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2063/N2140	N2063/N2140	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2065/N2141	N2065/N2141	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2067/N2142	N2067/N2142	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2064/N2143	N2064/N2143	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2144/N2061	N2144/N2061	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2145/N2063	N2145/N2063	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2146/N2065	N2146/N2065	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2147/N2067	N2147/N2067	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2148/N2064	N2148/N2064	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1957/N2009	N1957/N2009	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1959/N2011	N1959/N2011	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1961/N2013	N1961/N2013	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1963/N2015	N1963/N2015	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1960/N2012	N1960/N2012	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1889/N1957	N1889/N1957	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1890/N1959	N1890/N1959	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1892/N1961	N1892/N1961	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1893/N1963	N1893/N1963	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1891/N1960	N1891/N1960	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1897/N1968	N1897/N1968	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1898/N1969	N1898/N1969	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1899/N1971	N1899/N1971	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1896/N1967	N1896/N1967	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1895/N1965	N1895/N1965	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N1968/N2020	N1968/N2020	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1969/N2021	N1969/N2021	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1971/N2023	N1971/N2023	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1967/N2019	N1967/N2019	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1965/N2017	N1965/N2017	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2149/N2072	N2149/N2072	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2150/N2073	N2150/N2073	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2151/N2075	N2151/N2075	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2152/N2071	N2152/N2071	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2153/N2069	N2153/N2069	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2072/N2154	N2072/N2154	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2075/N2155	N2075/N2155	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2073/N2156	N2073/N2156	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2069/N2157	N2069/N2157	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2071/N2158	N2071/N2158	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1974/N2159	N1974/N2159	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1975/N2160	N1975/N2160	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1976/N2161	N1976/N2161	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1978/N2162	N1978/N2162	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1979/N2163	N1979/N2163	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1980/N2164	N1980/N2164	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1983/N2165	N1983/N2165	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1984/N2166	N1984/N2166	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1987/N2167	N1987/N2167	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1988/N2168	N1988/N2168	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1986/N2169	N1986/N2169	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1994/N2170	N1994/N2170	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1995/N2171	N1995/N2171	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1996/N2172	N1996/N2172	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1992/N2173	N1992/N2173	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N1991/N2174	N1991/N2174	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2000/N2175	N2000/N2175	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2001/N2176	N2001/N2176	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2003/N2177	N2003/N2177	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2004/N2178	N2004/N2178	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2005/N2179	N2005/N2179	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2007/N2180	N2007/N2180	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2009/N2181	N2009/N2181	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2011/N2182	N2011/N2182	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2013/N2183	N2013/N2183	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2015/N2184	N2015/N2184	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2012/N2185	N2012/N2185	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2020/N2186	N2020/N2186	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2021/N2187	N2021/N2187	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2023/N2188	N2023/N2188	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2019/N2189	N2019/N2189	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2017/N2190	N2017/N2190	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2191/N2159	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2159/N2160	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2160/N2161	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2161/N2192	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2192/N2162	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2162/N2163	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2163/N2164	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2164/N2193	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2193/N2077	N2191/N2077	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N2077/N2165	N2077/N2084	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2165/N2166	N2077/N2084	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2166/N2194	N2077/N2084	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2194/N2169	N2077/N2084	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2169/N2167	N2077/N2084	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2167/N2168	N2077/N2084	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2168/N2195	N2077/N2084	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2195/N2084	N2077/N2084	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N2084/N2174	N2084/N2093	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2174/N2173	N2084/N2093	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2173/N2196	N2084/N2093	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2196/N2170	N2084/N2093	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N2170/N2171	N2084/N2093	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2171/N2172	N2084/N2093	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2172/N2197	N2084/N2093	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2197/N2093	N2084/N2093	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2198/N2175	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2175/N2176	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2176/N2199	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2199/N2177	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2177/N2178	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2178/N2179	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2179/N2200	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2200/N2180	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2180/N2078	N2198/N2078	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N2078/N2181	N2078/N2085	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2181/N2201	N2078/N2085	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2201/N2182	N2078/N2085	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2182/N2185	N2078/N2085	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N2185/N2183	N2078/N2085	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2183/N2202	N2078/N2085	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2202/N2184	N2078/N2085	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2184/N2085	N2078/N2085	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2085/N2190	N2085/N2094	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2190/N2203	N2085/N2094	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2203/N2189	N2085/N2094	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2189/N2186	N2085/N2094	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2186/N2187	N2085/N2094	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2187/N2204	N2085/N2094	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2204/N2188	N2085/N2094	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2188/N2094	N2085/N2094	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2205/N2095	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2095/N2096	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2096/N2097	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2097/N2206	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2206/N2098	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2098/N2099	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2099/N2100	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2100/N2207	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2207/N2080	N2205/N2080	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N2080/N2112	N2080/N2083	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2112/N2113	N2080/N2083	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2113/N2208	N2080/N2083	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2208/N2116	N2080/N2083	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2116/N2114	N2080/N2083	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2114/N2115	N2080/N2083	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2115/N2209	N2080/N2083	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N2209/N2083	N2080/N2083	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N2083/N2121	N2083/N2090	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2121/N2120	N2083/N2090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2120/N2210	N2083/N2090	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2210/N2117	N2083/N2090	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2117/N2118	N2083/N2090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2118/N2119	N2083/N2090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2119/N2211	N2083/N2090	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2211/N2090	N2083/N2090	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2212/N2127	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2127/N2128	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2128/N2213	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2213/N2129	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2129/N2130	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2130/N2131	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2131/N2214	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2214/N2132	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2132/N2079	N2212/N2079	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N2079/N2144	N2079/N2086	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2144/N2215	N2079/N2086	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2215/N2145	N2079/N2086	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2145/N2148	N2079/N2086	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2148/N2146	N2079/N2086	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2146/N2216	N2079/N2086	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2216/N2147	N2079/N2086	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2147/N2086	N2079/N2086	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2086/N2153	N2086/N2089	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2153/N2217	N2086/N2089	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2217/N2152	N2086/N2089	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2152/N2149	N2086/N2089	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2149/N2150	N2086/N2089	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2150/N2218	N2086/N2089	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2218/N2151	N2086/N2089	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2151/N2089	N2086/N2089	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2219/N2101	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2101/N2102	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2102/N2103	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2103/N2220	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2220/N2104	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2104/N2105	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2105/N2106	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2106/N2221	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N2221/N2082	N2219/N2082	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N2082/N2107	N2082/N2087	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2107/N2108	N2082/N2087	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2108/N2222	N2082/N2087	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2222/N2111	N2082/N2087	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2111/N2109	N2082/N2087	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2109/N2110	N2082/N2087	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2110/N2223	N2082/N2087	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N2223/N2087	N2082/N2087	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N2087/N2125	N2087/N2091	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2125/N2126	N2087/N2091	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2126/N2224	N2087/N2091	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2224/N2122	N2087/N2091	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2122/N2124	N2087/N2091	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2124/N2123	N2087/N2091	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2123/N2225	N2087/N2091	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N2225/N2091	N2087/N2091	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N2226/N2133	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2133/N2134	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2134/N2227	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2227/N2135	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2135/N2136	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2136/N2137	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2137/N2228	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2228/N2138	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2138/N2081	N2226/N2081	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N2081/N2139	N2081/N2088	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2139/N2229	N2081/N2088	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2229/N2140	N2081/N2088	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2140/N2143	N2081/N2088	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2143/N2141	N2081/N2088	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2141/N2230	N2081/N2088	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2230/N2142	N2081/N2088	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2142/N2088	N2081/N2088	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N2088/N2157	N2088/N2092	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2157/N2231	N2088/N2092	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2231/N2158	N2088/N2092	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2158/N2154	N2088/N2092	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2154/N2156	N2088/N2092	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2156/N2232	N2088/N2092	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2232/N2155	N2088/N2092	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2155/N2092	N2088/N2092	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N2016/N2085	N2016/N2085	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1990/N2084	N1990/N2084	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N1902/N1882	N1902/N1882	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N1902/N1884	N1902/N1884	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1884/N1905	N1884/N1905	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N1905/N1887	N1905/N1887	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1887/N1908	N1887/N1908	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N1550/N1530	N1550/N1530	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N1550/N1532	N1550/N1532	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1532/N1553	N1532/N1553	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N1553/N1535	N1553/N1535	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1535/N1556	N1535/N1556	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N1908/N1890	N1908/N1890	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1890/N1911	N1890/N1911	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N1911/N1893	N1911/N1893	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1893/N1914	N1893/N1914	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N1914/N1896	N1914/N1896	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1896/N1917	N1896/N1917	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N1917/N1899	N1917/N1899	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1899/N1920	N1899/N1920	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N1556/N1538	N1556/N1538	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1538/N1559	N1538/N1559	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N1559/N1541	N1559/N1541	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1541/N1562	N1541/N1562	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N1562/N1544	N1562/N1544	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1544/N1565	N1544/N1565	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N1565/N1547	N1565/N1547	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N1547/N1568	N1547/N1568	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N2233/N2234	N2233/N2240	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2234/N2235	N2233/N2240	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2235/N2236	N2233/N2240	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2236/N2237	N2233/N2240	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2237/N2238	N2233/N2240	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2238/N2239	N2233/N2240	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2239/N2240	N2233/N2240	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N2240/N2241	N2240/N2246	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2241/N2242	N2240/N2246	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2242/N2243	N2240/N2246	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2243/N2244	N2240/N2246	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2244/N2245	N2240/N2246	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2245/N2246	N2240/N2246	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N2246/N2247	N2246/N2252	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2247/N2248	N2246/N2252	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2248/N2249	N2246/N2252	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2249/N2250	N2246/N2252	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2250/N2251	N2246/N2252	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2251/N2252	N2246/N2252	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N2253/N2254	N2253/N2260	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2254/N2255	N2253/N2260	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2255/N2256	N2253/N2260	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2256/N2257	N2253/N2260	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2257/N2258	N2253/N2260	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2258/N2259	N2253/N2260	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2259/N2260	N2253/N2260	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N2260/N2261	N2260/N2266	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2261/N2262	N2260/N2266	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2262/N2263	N2260/N2266	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2263/N2264	N2260/N2266	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2264/N2265	N2260/N2266	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2265/N2266	N2260/N2266	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N2266/N2267	N2266/N2272	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2267/N2268	N2266/N2272	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2268/N2269	N2266/N2272	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2269/N2270	N2266/N2272	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2270/N2271	N2266/N2272	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2271/N2272	N2266/N2272	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N2273/N2274	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2274/N2275	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2275/N2276	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2276/N2277	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2277/N2278	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2278/N2279	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2279/N2280	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2280/N2281	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N2281/N2282	N2273/N2282	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N2282/N2283	N2282/N2290	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2283/N2284	N2282/N2290	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2284/N2285	N2282/N2290	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2285/N2286	N2282/N2290	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2286/N2287	N2282/N2290	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2287/N2288	N2282/N2290	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2288/N2289	N2282/N2290	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2289/N2290	N2282/N2290	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N2290/N2291	N2290/N2298	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2291/N2292	N2290/N2298	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2292/N2293	N2290/N2298	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2293/N2294	N2290/N2298	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N2294/N2295	N2290/N2298	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2295/N2296	N2290/N2298	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2296/N2297	N2290/N2298	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2297/N2298	N2290/N2298	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2299/N2300	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2300/N2301	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2301/N2302	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2302/N2303	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2303/N2304	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2304/N2305	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2305/N2306	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2306/N2307	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2307/N2308	N2299/N2308	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N2308/N2309	N2308/N2316	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2309/N2310	N2308/N2316	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2310/N2311	N2308/N2316	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2311/N2312	N2308/N2316	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2312/N2313	N2308/N2316	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2313/N2314	N2308/N2316	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2314/N2315	N2308/N2316	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2315/N2316	N2308/N2316	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2316/N2317	N2316/N2324	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2317/N2318	N2316/N2324	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2318/N2319	N2316/N2324	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2319/N2320	N2316/N2324	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2320/N2321	N2316/N2324	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2321/N2322	N2316/N2324	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2322/N2323	N2316/N2324	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2323/N2324	N2316/N2324	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2325/N2326	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2326/N2327	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2327/N2328	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2328/N2329	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N2329/N2330	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N2330/N2331	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2331/N2332	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2332/N2333	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2333/N2334	N2325/N2334	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N2334/N2335	N2334/N2342	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2335/N2336	N2334/N2342	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2336/N2337	N2334/N2342	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2337/N2338	N2334/N2342	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2338/N2339	N2334/N2342	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2339/N2340	N2334/N2342	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2340/N2341	N2334/N2342	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2341/N2342	N2334/N2342	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N2342/N2343	N2342/N2350	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2343/N2344	N2342/N2350	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2344/N2345	N2342/N2350	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2345/N2346	N2342/N2350	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N2346/N2347	N2342/N2350	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2347/N2348	N2342/N2350	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2348/N2349	N2342/N2350	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2349/N2350	N2342/N2350	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2351/N2352	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2352/N2353	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2353/N2354	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2354/N2355	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2355/N2356	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2356/N2357	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2357/N2358	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N2358/N2359	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N2359/N2360	N2351/N2360	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N2360/N2361	N2360/N2368	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2361/N2362	N2360/N2368	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2362/N2363	N2360/N2368	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2363/N2364	N2360/N2368	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2364/N2365	N2360/N2368	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2365/N2366	N2360/N2368	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2366/N2367	N2360/N2368	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2367/N2368	N2360/N2368	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2368/N2369	N2368/N2376	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2369/N2370	N2368/N2376	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2370/N2371	N2368/N2376	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2371/N2372	N2368/N2376	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2372/N2373	N2368/N2376	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2373/N2374	N2368/N2376	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2374/N2375	N2368/N2376	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2375/N2376	N2368/N2376	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2377/N2378	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2378/N2379	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2379/N2380	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2380/N2381	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2381/N2382	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2382/N2383	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2383/N2384	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2384/N2385	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2385/N2386	N2377/N2386	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N2386/N2387	N2386/N2394	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2387/N2388	N2386/N2394	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2388/N2389	N2386/N2394	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2389/N2390	N2386/N2394	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2390/N2391	N2386/N2394	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2391/N2392	N2386/N2394	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2392/N2393	N2386/N2394	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2393/N2394	N2386/N2394	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N2394/N2395	N2394/N2402	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2395/N2396	N2394/N2402	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2396/N2397	N2394/N2402	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2397/N2398	N2394/N2402	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2398/N2399	N2394/N2402	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2399/N2400	N2394/N2402	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2400/N2401	N2394/N2402	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2401/N2402	N2394/N2402	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N2403/N2404	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2404/N2405	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2405/N2406	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2406/N2407	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2407/N2408	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2408/N2409	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2409/N2410	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2410/N2411	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2411/N2412	N2403/N2412	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N2412/N2413	N2412/N2420	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2413/N2414	N2412/N2420	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2414/N2415	N2412/N2420	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2415/N2416	N2412/N2420	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2416/N2417	N2412/N2420	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2417/N2418	N2412/N2420	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2418/N2419	N2412/N2420	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2419/N2420	N2412/N2420	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2420/N2421	N2420/N2428	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2421/N2422	N2420/N2428	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2422/N2423	N2420/N2428	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2423/N2424	N2420/N2428	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2424/N2425	N2420/N2428	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2425/N2426	N2420/N2428	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2426/N2427	N2420/N2428	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2427/N2428	N2420/N2428	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2260/N2240	N2260/N2240	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N2260/N2282	N2260/N2282	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2282/N2308	N2282/N2308	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2240/N2308	N2240/N2308	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2282/N2334	N2282/N2334	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2334/N2360	N2334/N2360	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2308/N2360	N2308/N2360	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2429/N2430	N2429/N2430	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2430/N2431	N2430/N2431	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2432/N2431	N2432/N2431	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2429/N2432	N2429/N2432	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2431/N2412	N2431/N2412	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2386/N2412	N2386/N2412	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2432/N2386	N2432/N2386	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2412/N2433	N2412/N2433	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2434/N2433	N2434/N2433	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2386/N2434	N2386/N2434	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2266/N2246	N2266/N2246	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N2246/N2316	N2246/N2316	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2266/N2290	N2266/N2290	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2290/N2316	N2290/N2316	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2290/N2342	N2290/N2342	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2316/N2368	N2316/N2368	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2342/N2368	N2342/N2368	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2436/N2435	N2436/N2435	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2437/N2438	N2437/N2438	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2435/N2438	N2435/N2438	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2438/N2420	N2438/N2420	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2394/N2420	N2394/N2420	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2435/N2394	N2435/N2394	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2394/N2439	N2394/N2439	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2420/N2440	N2420/N2440	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2439/N2440	N2439/N2440	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2436/N2437	N2436/N2437	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2272/N2252	N2272/N2252	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N2298/N2324	N2298/N2324	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2350/N2376	N2350/N2376	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2442/N2441	N2442/N2441	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2402/N2428	N2402/N2428	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2443/N2444	N2443/N2444	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2445/N2446	N2445/N2446	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2240/N1908	N2240/N1908	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N2308/N1930	N2308/N1930	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2360/N1982	N2360/N1982	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2430/N2077	N2430/N2077	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2431/N2080	N2431/N2080	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2412/N2034	N2412/N2034	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2433/N2082	N2433/N2082	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2246/N1914	N2246/N1914	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N2316/N1938	N2316/N1938	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2368/N1990	N2368/N1990	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2437/N2084	N2437/N2084	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2438/N2083	N2438/N2083	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2420/N2042	N2420/N2042	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2440/N2087	N2440/N2087	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2252/N1920	N2252/N1920	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N2324/N1946	N2324/N1946	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2376/N1998	N2376/N1998	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2446/N2093	N2446/N2093	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2441/N2090	N2441/N2090	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2428/N2050	N2428/N2050	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2444/N2091	N2444/N2091	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2334/N2429	N2334/N2429	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2360/N2430	N2360/N2430	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2254/N2274	N2254/N2274	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2255/N2275	N2255/N2275	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2256/N2276	N2256/N2276	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2257/N2278	N2257/N2278	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2258/N2279	N2258/N2279	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2259/N2280	N2259/N2280	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2274/N2326	N2274/N2326	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2275/N2327	N2275/N2327	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2276/N2328	N2276/N2328	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2278/N2330	N2278/N2330	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2279/N2331	N2279/N2331	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2280/N2332	N2280/N2332	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2447/N2378	N2447/N2378	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2448/N2379	N2448/N2379	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2449/N2380	N2449/N2380	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2450/N2382	N2450/N2382	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2451/N2383	N2451/N2383	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2452/N2384	N2452/N2384	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2378/N2453	N2378/N2453	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2379/N2454	N2379/N2454	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2380/N2455	N2380/N2455	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2382/N2456	N2382/N2456	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2383/N2457	N2383/N2457	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2384/N2458	N2384/N2458	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2387/N2459	N2387/N2459	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2388/N2460	N2388/N2460	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2391/N2461	N2391/N2461	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2392/N2462	N2392/N2462	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2390/N2463	N2390/N2463	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2464/N2387	N2464/N2387	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2465/N2388	N2465/N2388	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2466/N2391	N2466/N2391	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2467/N2392	N2467/N2392	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2468/N2390	N2468/N2390	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2283/N2335	N2283/N2335	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2284/N2336	N2284/N2336	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2287/N2339	N2287/N2339	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2288/N2340	N2288/N2340	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2286/N2338	N2286/N2338	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2261/N2283	N2261/N2283	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2262/N2284	N2262/N2284	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2264/N2287	N2264/N2287	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2265/N2288	N2265/N2288	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2263/N2286	N2263/N2286	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2269/N2294	N2269/N2294	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2270/N2295	N2270/N2295	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2271/N2296	N2271/N2296	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2268/N2292	N2268/N2292	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2267/N2291	N2267/N2291	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2294/N2346	N2294/N2346	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2295/N2347	N2295/N2347	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2296/N2348	N2296/N2348	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2292/N2344	N2292/N2344	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2291/N2343	N2291/N2343	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2469/N2398	N2469/N2398	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2470/N2399	N2470/N2399	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2471/N2400	N2471/N2400	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2472/N2396	N2472/N2396	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2473/N2395	N2473/N2395	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2398/N2474	N2398/N2474	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2400/N2475	N2400/N2475	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2399/N2476	N2399/N2476	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2395/N2477	N2395/N2477	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2396/N2478	N2396/N2478	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2234/N2300	N2234/N2300	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2235/N2301	N2235/N2301	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2236/N2303	N2236/N2303	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2237/N2304	N2237/N2304	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2238/N2305	N2238/N2305	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2239/N2307	N2239/N2307	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2300/N2352	N2300/N2352	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2301/N2353	N2301/N2353	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2303/N2355	N2303/N2355	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2304/N2356	N2304/N2356	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2305/N2357	N2305/N2357	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2307/N2359	N2307/N2359	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2479/N2404	N2479/N2404	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2480/N2405	N2480/N2405	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2481/N2407	N2481/N2407	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2482/N2408	N2482/N2408	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2483/N2409	N2483/N2409	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2484/N2411	N2484/N2411	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2404/N2485	N2404/N2485	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2405/N2486	N2405/N2486	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2407/N2487	N2407/N2487	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2408/N2488	N2408/N2488	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2409/N2489	N2409/N2489	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2411/N2490	N2411/N2490	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2413/N2491	N2413/N2491	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2415/N2492	N2415/N2492	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2417/N2493	N2417/N2493	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2419/N2494	N2419/N2494	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2416/N2495	N2416/N2495	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2496/N2413	N2496/N2413	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2497/N2415	N2497/N2415	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2498/N2417	N2498/N2417	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2499/N2419	N2499/N2419	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2500/N2416	N2500/N2416	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2309/N2361	N2309/N2361	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2311/N2363	N2311/N2363	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2313/N2365	N2313/N2365	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2315/N2367	N2315/N2367	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2312/N2364	N2312/N2364	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2241/N2309	N2241/N2309	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2242/N2311	N2242/N2311	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2244/N2313	N2244/N2313	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2245/N2315	N2245/N2315	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2243/N2312	N2243/N2312	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2249/N2320	N2249/N2320	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2250/N2321	N2250/N2321	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2251/N2323	N2251/N2323	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2248/N2319	N2248/N2319	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2247/N2317	N2247/N2317	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2320/N2372	N2320/N2372	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2321/N2373	N2321/N2373	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2323/N2375	N2323/N2375	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2319/N2371	N2319/N2371	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2317/N2369	N2317/N2369	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2501/N2424	N2501/N2424	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2502/N2425	N2502/N2425	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2503/N2427	N2503/N2427	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2504/N2423	N2504/N2423	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2505/N2421	N2505/N2421	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2424/N2506	N2424/N2506	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2427/N2507	N2427/N2507	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2425/N2508	N2425/N2508	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2421/N2509	N2421/N2509	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2423/N2510	N2423/N2510	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2326/N2511	N2326/N2511	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2327/N2512	N2327/N2512	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2328/N2513	N2328/N2513	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2330/N2514	N2330/N2514	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2331/N2515	N2331/N2515	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2332/N2516	N2332/N2516	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2335/N2517	N2335/N2517	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2336/N2518	N2336/N2518	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2339/N2519	N2339/N2519	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2340/N2520	N2340/N2520	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2338/N2521	N2338/N2521	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2346/N2522	N2346/N2522	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2347/N2523	N2347/N2523	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2348/N2524	N2348/N2524	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2344/N2525	N2344/N2525	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2343/N2526	N2343/N2526	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2352/N2527	N2352/N2527	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2353/N2528	N2353/N2528	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2355/N2529	N2355/N2529	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2356/N2530	N2356/N2530	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2357/N2531	N2357/N2531	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2359/N2532	N2359/N2532	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2361/N2533	N2361/N2533	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2363/N2534	N2363/N2534	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2365/N2535	N2365/N2535	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2367/N2536	N2367/N2536	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2364/N2537	N2364/N2537	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2372/N2538	N2372/N2538	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2373/N2539	N2373/N2539	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2375/N2540	N2375/N2540	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2371/N2541	N2371/N2541	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2369/N2542	N2369/N2542	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2543/N2511	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2511/N2512	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2512/N2513	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2513/N2544	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2544/N2514	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2514/N2515	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2515/N2516	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2516/N2545	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2545/N2429	N2543/N2429	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N2429/N2517	N2429/N2436	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2517/N2518	N2429/N2436	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2518/N2546	N2429/N2436	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2546/N2521	N2429/N2436	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2521/N2519	N2429/N2436	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2519/N2520	N2429/N2436	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2520/N2547	N2429/N2436	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2547/N2436	N2429/N2436	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N2436/N2526	N2436/N2445	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2526/N2525	N2436/N2445	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2525/N2548	N2436/N2445	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2548/N2522	N2436/N2445	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N2522/N2523	N2436/N2445	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2523/N2524	N2436/N2445	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2524/N2549	N2436/N2445	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2549/N2445	N2436/N2445	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2550/N2527	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2527/N2528	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2528/N2551	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2551/N2529	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2529/N2530	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2530/N2531	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2531/N2552	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2552/N2532	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2532/N2430	N2550/N2430	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N2430/N2533	N2430/N2437	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2533/N2553	N2430/N2437	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2553/N2534	N2430/N2437	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2534/N2537	N2430/N2437	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N2537/N2535	N2430/N2437	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2535/N2554	N2430/N2437	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2554/N2536	N2430/N2437	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2536/N2437	N2430/N2437	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2437/N2542	N2437/N2446	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2542/N2555	N2437/N2446	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2555/N2541	N2437/N2446	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2541/N2538	N2437/N2446	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2538/N2539	N2437/N2446	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2539/N2556	N2437/N2446	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2556/N2540	N2437/N2446	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2540/N2446	N2437/N2446	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2557/N2447	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2447/N2448	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2448/N2449	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2449/N2558	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2558/N2450	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2450/N2451	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2451/N2452	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2452/N2559	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2559/N2432	N2557/N2432	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N2432/N2464	N2432/N2435	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2464/N2465	N2432/N2435	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2465/N2560	N2432/N2435	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2560/N2468	N2432/N2435	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2468/N2466	N2432/N2435	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2466/N2467	N2432/N2435	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2467/N2561	N2432/N2435	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N2561/N2435	N2432/N2435	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N2435/N2473	N2435/N2442	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2473/N2472	N2435/N2442	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2472/N2562	N2435/N2442	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2562/N2469	N2435/N2442	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2469/N2470	N2435/N2442	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2470/N2471	N2435/N2442	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2471/N2563	N2435/N2442	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2563/N2442	N2435/N2442	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2564/N2479	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2479/N2480	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2480/N2565	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2565/N2481	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2481/N2482	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2482/N2483	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2483/N2566	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2566/N2484	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2484/N2431	N2564/N2431	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N2431/N2496	N2431/N2438	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2496/N2567	N2431/N2438	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2567/N2497	N2431/N2438	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2497/N2500	N2431/N2438	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2500/N2498	N2431/N2438	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2498/N2568	N2431/N2438	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2568/N2499	N2431/N2438	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2499/N2438	N2431/N2438	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2438/N2505	N2438/N2441	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2505/N2569	N2438/N2441	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2569/N2504	N2438/N2441	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2504/N2501	N2438/N2441	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2501/N2502	N2438/N2441	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2502/N2570	N2438/N2441	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2570/N2503	N2438/N2441	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2503/N2441	N2438/N2441	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2571/N2453	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2453/N2454	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2454/N2455	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2455/N2572	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2572/N2456	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2456/N2457	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2457/N2458	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2458/N2573	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N2573/N2434	N2571/N2434	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N2434/N2459	N2434/N2439	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2459/N2460	N2434/N2439	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2460/N2574	N2434/N2439	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2574/N2463	N2434/N2439	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2463/N2461	N2434/N2439	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2461/N2462	N2434/N2439	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2462/N2575	N2434/N2439	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N2575/N2439	N2434/N2439	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N2439/N2477	N2439/N2443	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2477/N2478	N2439/N2443	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2478/N2576	N2439/N2443	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2576/N2474	N2439/N2443	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2474/N2476	N2439/N2443	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2476/N2475	N2439/N2443	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2475/N2577	N2439/N2443	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N2577/N2443	N2439/N2443	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N2578/N2485	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2485/N2486	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2486/N2579	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2579/N2487	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2487/N2488	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2488/N2489	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2489/N2580	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2580/N2490	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2490/N2433	N2578/N2433	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N2433/N2491	N2433/N2440	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2491/N2581	N2433/N2440	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2581/N2492	N2433/N2440	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2492/N2495	N2433/N2440	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2495/N2493	N2433/N2440	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2493/N2582	N2433/N2440	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2582/N2494	N2433/N2440	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2494/N2440	N2433/N2440	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N2440/N2509	N2440/N2444	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2509/N2583	N2440/N2444	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2583/N2510	N2440/N2444	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2510/N2506	N2440/N2444	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2506/N2508	N2440/N2444	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2508/N2584	N2440/N2444	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2584/N2507	N2440/N2444	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2507/N2444	N2440/N2444	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N2368/N2437	N2368/N2437	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2342/N2436	N2342/N2436	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2585/N2586	N2585/N2592	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2586/N2587	N2585/N2592	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2587/N2588	N2585/N2592	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2588/N2589	N2585/N2592	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2589/N2590	N2585/N2592	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2590/N2591	N2585/N2592	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2591/N2592	N2585/N2592	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N2592/N2593	N2592/N2598	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2593/N2594	N2592/N2598	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2594/N2595	N2592/N2598	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2595/N2596	N2592/N2598	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2596/N2597	N2592/N2598	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2597/N2598	N2592/N2598	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N2598/N2599	N2598/N2604	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2599/N2600	N2598/N2604	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2600/N2601	N2598/N2604	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2601/N2602	N2598/N2604	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2602/N2603	N2598/N2604	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2603/N2604	N2598/N2604	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N2605/N2606	N2605/N2612	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2606/N2607	N2605/N2612	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2607/N2608	N2605/N2612	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2608/N2609	N2605/N2612	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2609/N2610	N2605/N2612	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2610/N2611	N2605/N2612	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2611/N2612	N2605/N2612	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N2612/N2613	N2612/N2618	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2613/N2614	N2612/N2618	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2614/N2615	N2612/N2618	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2615/N2616	N2612/N2618	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2616/N2617	N2612/N2618	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2617/N2618	N2612/N2618	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N2618/N2619	N2618/N2624	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2619/N2620	N2618/N2624	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2620/N2621	N2618/N2624	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2621/N2622	N2618/N2624	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2622/N2623	N2618/N2624	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2623/N2624	N2618/N2624	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N2625/N2626	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2626/N2627	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2627/N2628	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2628/N2629	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2629/N2630	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2630/N2631	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2631/N2632	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2632/N2633	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N2633/N2634	N2625/N2634	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N2634/N2635	N2634/N2642	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2635/N2636	N2634/N2642	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2636/N2637	N2634/N2642	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2637/N2638	N2634/N2642	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2638/N2639	N2634/N2642	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2639/N2640	N2634/N2642	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2640/N2641	N2634/N2642	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2641/N2642	N2634/N2642	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N2642/N2643	N2642/N2650	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2643/N2644	N2642/N2650	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2644/N2645	N2642/N2650	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2645/N2646	N2642/N2650	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N2646/N2647	N2642/N2650	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2647/N2648	N2642/N2650	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2648/N2649	N2642/N2650	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2649/N2650	N2642/N2650	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2651/N2652	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2652/N2653	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2653/N2654	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2654/N2655	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2655/N2656	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2656/N2657	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2657/N2658	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2658/N2659	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2659/N2660	N2651/N2660	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N2660/N2661	N2660/N2668	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2661/N2662	N2660/N2668	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2662/N2663	N2660/N2668	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2663/N2664	N2660/N2668	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2664/N2665	N2660/N2668	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2665/N2666	N2660/N2668	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2666/N2667	N2660/N2668	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2667/N2668	N2660/N2668	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2668/N2669	N2668/N2676	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2669/N2670	N2668/N2676	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2670/N2671	N2668/N2676	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2671/N2672	N2668/N2676	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2672/N2673	N2668/N2676	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2673/N2674	N2668/N2676	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2674/N2675	N2668/N2676	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2675/N2676	N2668/N2676	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2677/N2678	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2678/N2679	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2679/N2680	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2680/N2681	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N2681/N2682	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N2682/N2683	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2683/N2684	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2684/N2685	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2685/N2686	N2677/N2686	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N2686/N2687	N2686/N2694	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2687/N2688	N2686/N2694	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2688/N2689	N2686/N2694	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2689/N2690	N2686/N2694	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2690/N2691	N2686/N2694	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2691/N2692	N2686/N2694	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2692/N2693	N2686/N2694	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2693/N2694	N2686/N2694	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N2694/N2695	N2694/N2702	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2695/N2696	N2694/N2702	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2696/N2697	N2694/N2702	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2697/N2698	N2694/N2702	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N2698/N2699	N2694/N2702	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2699/N2700	N2694/N2702	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2700/N2701	N2694/N2702	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2701/N2702	N2694/N2702	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2703/N2704	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2704/N2705	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2705/N2706	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2706/N2707	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2707/N2708	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2708/N2709	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2709/N2710	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N2710/N2711	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N2711/N2712	N2703/N2712	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N2712/N2713	N2712/N2720	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2713/N2714	N2712/N2720	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2714/N2715	N2712/N2720	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2715/N2716	N2712/N2720	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2716/N2717	N2712/N2720	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2717/N2718	N2712/N2720	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2718/N2719	N2712/N2720	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2719/N2720	N2712/N2720	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2720/N2721	N2720/N2728	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2721/N2722	N2720/N2728	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2722/N2723	N2720/N2728	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2723/N2724	N2720/N2728	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2724/N2725	N2720/N2728	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2725/N2726	N2720/N2728	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2726/N2727	N2720/N2728	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2727/N2728	N2720/N2728	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2729/N2730	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2730/N2731	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2731/N2732	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2732/N2733	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2733/N2734	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2734/N2735	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2735/N2736	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2736/N2737	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2737/N2738	N2729/N2738	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N2738/N2739	N2738/N2746	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2739/N2740	N2738/N2746	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2740/N2741	N2738/N2746	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2741/N2742	N2738/N2746	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2742/N2743	N2738/N2746	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2743/N2744	N2738/N2746	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2744/N2745	N2738/N2746	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2745/N2746	N2738/N2746	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N2746/N2747	N2746/N2754	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2747/N2748	N2746/N2754	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2748/N2749	N2746/N2754	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2749/N2750	N2746/N2754	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2750/N2751	N2746/N2754	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2751/N2752	N2746/N2754	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2752/N2753	N2746/N2754	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2753/N2754	N2746/N2754	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N2755/N2756	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2756/N2757	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2757/N2758	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2758/N2759	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2759/N2760	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2760/N2761	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2761/N2762	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2762/N2763	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2763/N2764	N2755/N2764	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N2764/N2765	N2764/N2772	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2765/N2766	N2764/N2772	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2766/N2767	N2764/N2772	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2767/N2768	N2764/N2772	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2768/N2769	N2764/N2772	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2769/N2770	N2764/N2772	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2770/N2771	N2764/N2772	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2771/N2772	N2764/N2772	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2772/N2773	N2772/N2780	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2773/N2774	N2772/N2780	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2774/N2775	N2772/N2780	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2775/N2776	N2772/N2780	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2776/N2777	N2772/N2780	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2777/N2778	N2772/N2780	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2778/N2779	N2772/N2780	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2779/N2780	N2772/N2780	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2612/N2592	N2612/N2592	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N2612/N2634	N2612/N2634	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2634/N2660	N2634/N2660	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2592/N2660	N2592/N2660	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2634/N2686	N2634/N2686	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2686/N2712	N2686/N2712	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2660/N2712	N2660/N2712	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2781/N2782	N2781/N2782	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2782/N2783	N2782/N2783	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2784/N2783	N2784/N2783	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2781/N2784	N2781/N2784	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2783/N2764	N2783/N2764	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2738/N2764	N2738/N2764	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2784/N2738	N2784/N2738	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2764/N2785	N2764/N2785	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2786/N2785	N2786/N2785	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2738/N2786	N2738/N2786	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2618/N2598	N2618/N2598	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N2598/N2668	N2598/N2668	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2618/N2642	N2618/N2642	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2642/N2668	N2642/N2668	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2642/N2694	N2642/N2694	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2668/N2720	N2668/N2720	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2694/N2720	N2694/N2720	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2788/N2787	N2788/N2787	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2789/N2790	N2789/N2790	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N2787/N2790	N2787/N2790	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2790/N2772	N2790/N2772	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2746/N2772	N2746/N2772	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2787/N2746	N2787/N2746	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2746/N2791	N2746/N2791	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2772/N2792	N2772/N2792	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2791/N2792	N2791/N2792	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2788/N2789	N2788/N2789	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2624/N2604	N2624/N2604	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N2650/N2676	N2650/N2676	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2702/N2728	N2702/N2728	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2794/N2793	N2794/N2793	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2754/N2780	N2754/N2780	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2795/N2796	N2795/N2796	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2797/N2798	N2797/N2798	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2592/N2260	N2592/N2260	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N2660/N2282	N2660/N2282	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2712/N2334	N2712/N2334	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2782/N2429	N2782/N2429	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2783/N2432	N2783/N2432	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2764/N2386	N2764/N2386	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2785/N2434	N2785/N2434	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2598/N2266	N2598/N2266	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N2668/N2290	N2668/N2290	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2720/N2342	N2720/N2342	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2789/N2436	N2789/N2436	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2790/N2435	N2790/N2435	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2772/N2394	N2772/N2394	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2792/N2439	N2792/N2439	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2604/N2272	N2604/N2272	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N2676/N2298	N2676/N2298	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2728/N2350	N2728/N2350	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2798/N2445	N2798/N2445	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2793/N2442	N2793/N2442	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2780/N2402	N2780/N2402	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2796/N2443	N2796/N2443	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2686/N2781	N2686/N2781	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2712/N2782	N2712/N2782	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2606/N2626	N2606/N2626	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2607/N2627	N2607/N2627	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2608/N2628	N2608/N2628	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2609/N2630	N2609/N2630	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2610/N2631	N2610/N2631	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2611/N2632	N2611/N2632	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2626/N2678	N2626/N2678	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2627/N2679	N2627/N2679	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2628/N2680	N2628/N2680	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2630/N2682	N2630/N2682	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2631/N2683	N2631/N2683	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2632/N2684	N2632/N2684	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2799/N2730	N2799/N2730	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2800/N2731	N2800/N2731	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2801/N2732	N2801/N2732	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2802/N2734	N2802/N2734	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2803/N2735	N2803/N2735	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2804/N2736	N2804/N2736	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2730/N2805	N2730/N2805	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2731/N2806	N2731/N2806	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2732/N2807	N2732/N2807	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2734/N2808	N2734/N2808	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2735/N2809	N2735/N2809	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2736/N2810	N2736/N2810	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2739/N2811	N2739/N2811	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2740/N2812	N2740/N2812	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2743/N2813	N2743/N2813	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2744/N2814	N2744/N2814	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2742/N2815	N2742/N2815	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2816/N2739	N2816/N2739	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2817/N2740	N2817/N2740	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2818/N2743	N2818/N2743	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2819/N2744	N2819/N2744	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2820/N2742	N2820/N2742	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2635/N2687	N2635/N2687	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2636/N2688	N2636/N2688	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2639/N2691	N2639/N2691	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2640/N2692	N2640/N2692	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2638/N2690	N2638/N2690	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2613/N2635	N2613/N2635	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2614/N2636	N2614/N2636	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2616/N2639	N2616/N2639	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2617/N2640	N2617/N2640	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2615/N2638	N2615/N2638	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2621/N2646	N2621/N2646	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2622/N2647	N2622/N2647	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2623/N2648	N2623/N2648	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2620/N2644	N2620/N2644	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2619/N2643	N2619/N2643	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2646/N2698	N2646/N2698	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2647/N2699	N2647/N2699	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2648/N2700	N2648/N2700	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2644/N2696	N2644/N2696	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2643/N2695	N2643/N2695	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2821/N2750	N2821/N2750	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2822/N2751	N2822/N2751	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2823/N2752	N2823/N2752	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2824/N2748	N2824/N2748	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2825/N2747	N2825/N2747	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2750/N2826	N2750/N2826	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2752/N2827	N2752/N2827	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2751/N2828	N2751/N2828	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2747/N2829	N2747/N2829	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2748/N2830	N2748/N2830	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2586/N2652	N2586/N2652	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2587/N2653	N2587/N2653	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2588/N2655	N2588/N2655	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2589/N2656	N2589/N2656	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2590/N2657	N2590/N2657	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2591/N2659	N2591/N2659	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2652/N2704	N2652/N2704	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2653/N2705	N2653/N2705	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2655/N2707	N2655/N2707	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2656/N2708	N2656/N2708	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2657/N2709	N2657/N2709	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2659/N2711	N2659/N2711	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2831/N2756	N2831/N2756	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2832/N2757	N2832/N2757	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2833/N2759	N2833/N2759	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2834/N2760	N2834/N2760	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2835/N2761	N2835/N2761	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2836/N2763	N2836/N2763	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2756/N2837	N2756/N2837	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2757/N2838	N2757/N2838	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2759/N2839	N2759/N2839	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2760/N2840	N2760/N2840	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2761/N2841	N2761/N2841	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2763/N2842	N2763/N2842	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2765/N2843	N2765/N2843	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2767/N2844	N2767/N2844	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2769/N2845	N2769/N2845	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2771/N2846	N2771/N2846	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2768/N2847	N2768/N2847	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2848/N2765	N2848/N2765	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2849/N2767	N2849/N2767	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2850/N2769	N2850/N2769	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2851/N2771	N2851/N2771	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2852/N2768	N2852/N2768	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2661/N2713	N2661/N2713	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2663/N2715	N2663/N2715	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2665/N2717	N2665/N2717	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2667/N2719	N2667/N2719	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2664/N2716	N2664/N2716	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2593/N2661	N2593/N2661	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2594/N2663	N2594/N2663	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2596/N2665	N2596/N2665	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2597/N2667	N2597/N2667	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2595/N2664	N2595/N2664	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2601/N2672	N2601/N2672	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2602/N2673	N2602/N2673	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2603/N2675	N2603/N2675	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2600/N2671	N2600/N2671	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2599/N2669	N2599/N2669	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2672/N2724	N2672/N2724	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2673/N2725	N2673/N2725	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2675/N2727	N2675/N2727	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2671/N2723	N2671/N2723	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2669/N2721	N2669/N2721	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2853/N2776	N2853/N2776	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2854/N2777	N2854/N2777	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2855/N2779	N2855/N2779	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2856/N2775	N2856/N2775	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2857/N2773	N2857/N2773	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2776/N2858	N2776/N2858	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2779/N2859	N2779/N2859	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2777/N2860	N2777/N2860	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2773/N2861	N2773/N2861	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2775/N2862	N2775/N2862	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2678/N2863	N2678/N2863	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2679/N2864	N2679/N2864	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2680/N2865	N2680/N2865	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2682/N2866	N2682/N2866	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2683/N2867	N2683/N2867	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2684/N2868	N2684/N2868	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2687/N2869	N2687/N2869	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2688/N2870	N2688/N2870	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2691/N2871	N2691/N2871	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2692/N2872	N2692/N2872	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2690/N2873	N2690/N2873	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2698/N2874	N2698/N2874	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2699/N2875	N2699/N2875	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2700/N2876	N2700/N2876	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2696/N2877	N2696/N2877	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2695/N2878	N2695/N2878	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2704/N2879	N2704/N2879	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2705/N2880	N2705/N2880	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2707/N2881	N2707/N2881	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2708/N2882	N2708/N2882	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2709/N2883	N2709/N2883	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2711/N2884	N2711/N2884	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2713/N2885	N2713/N2885	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2715/N2886	N2715/N2886	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2717/N2887	N2717/N2887	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2719/N2888	N2719/N2888	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2716/N2889	N2716/N2889	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2724/N2890	N2724/N2890	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2725/N2891	N2725/N2891	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2727/N2892	N2727/N2892	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2723/N2893	N2723/N2893	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2721/N2894	N2721/N2894	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2895/N2863	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2863/N2864	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2864/N2865	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2865/N2896	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2896/N2866	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2866/N2867	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2867/N2868	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2868/N2897	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2897/N2781	N2895/N2781	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N2781/N2869	N2781/N2788	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2869/N2870	N2781/N2788	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2870/N2898	N2781/N2788	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2898/N2873	N2781/N2788	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2873/N2871	N2781/N2788	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2871/N2872	N2781/N2788	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2872/N2899	N2781/N2788	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2899/N2788	N2781/N2788	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N2788/N2878	N2788/N2797	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2878/N2877	N2788/N2797	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2877/N2900	N2788/N2797	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2900/N2874	N2788/N2797	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N2874/N2875	N2788/N2797	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2875/N2876	N2788/N2797	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2876/N2901	N2788/N2797	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2901/N2797	N2788/N2797	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2902/N2879	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2879/N2880	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2880/N2903	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2903/N2881	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2881/N2882	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2882/N2883	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2883/N2904	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2904/N2884	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2884/N2782	N2902/N2782	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N2782/N2885	N2782/N2789	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2885/N2905	N2782/N2789	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2905/N2886	N2782/N2789	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2886/N2889	N2782/N2789	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N2889/N2887	N2782/N2789	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2887/N2906	N2782/N2789	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2906/N2888	N2782/N2789	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2888/N2789	N2782/N2789	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2789/N2894	N2789/N2798	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2894/N2907	N2789/N2798	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2907/N2893	N2789/N2798	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2893/N2890	N2789/N2798	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2890/N2891	N2789/N2798	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2891/N2908	N2789/N2798	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2908/N2892	N2789/N2798	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2892/N2798	N2789/N2798	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2909/N2799	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2799/N2800	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2800/N2801	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2801/N2910	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2910/N2802	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2802/N2803	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2803/N2804	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2804/N2911	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N2911/N2784	N2909/N2784	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N2784/N2816	N2784/N2787	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2816/N2817	N2784/N2787	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2817/N2912	N2784/N2787	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2912/N2820	N2784/N2787	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2820/N2818	N2784/N2787	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2818/N2819	N2784/N2787	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N2819/N2913	N2784/N2787	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N2913/N2787	N2784/N2787	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N2787/N2825	N2787/N2794	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N2825/N2824	N2787/N2794	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2824/N2914	N2787/N2794	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2914/N2821	N2787/N2794	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2821/N2822	N2787/N2794	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2822/N2823	N2787/N2794	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2823/N2915	N2787/N2794	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N2915/N2794	N2787/N2794	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N2916/N2831	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2831/N2832	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2832/N2917	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2917/N2833	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2833/N2834	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2834/N2835	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2835/N2918	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2918/N2836	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2836/N2783	N2916/N2783	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N2783/N2848	N2783/N2790	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2848/N2919	N2783/N2790	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2919/N2849	N2783/N2790	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2849/N2852	N2783/N2790	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2852/N2850	N2783/N2790	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2850/N2920	N2783/N2790	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2920/N2851	N2783/N2790	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2851/N2790	N2783/N2790	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N2790/N2857	N2790/N2793	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N2857/N2921	N2790/N2793	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2921/N2856	N2790/N2793	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2856/N2853	N2790/N2793	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2853/N2854	N2790/N2793	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2854/N2922	N2790/N2793	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2922/N2855	N2790/N2793	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2855/N2793	N2790/N2793	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2923/N2805	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2805/N2806	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2806/N2807	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2807/N2924	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2924/N2808	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2808/N2809	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2809/N2810	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2810/N2925	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N2925/N2786	N2923/N2786	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N2786/N2811	N2786/N2791	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2811/N2812	N2786/N2791	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2812/N2926	N2786/N2791	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2926/N2815	N2786/N2791	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2815/N2813	N2786/N2791	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2813/N2814	N2786/N2791	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2814/N2927	N2786/N2791	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N2927/N2791	N2786/N2791	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N2791/N2829	N2791/N2795	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2829/N2830	N2791/N2795	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2830/N2928	N2791/N2795	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2928/N2826	N2791/N2795	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2826/N2828	N2791/N2795	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2828/N2827	N2791/N2795	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2827/N2929	N2791/N2795	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N2929/N2795	N2791/N2795	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N2930/N2837	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2837/N2838	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2838/N2931	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2931/N2839	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2839/N2840	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2840/N2841	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2841/N2932	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2932/N2842	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2842/N2785	N2930/N2785	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N2785/N2843	N2785/N2792	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2843/N2933	N2785/N2792	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2933/N2844	N2785/N2792	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2844/N2847	N2785/N2792	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2847/N2845	N2785/N2792	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2845/N2934	N2785/N2792	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2934/N2846	N2785/N2792	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2846/N2792	N2785/N2792	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N2792/N2861	N2792/N2796	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2861/N2935	N2792/N2796	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2935/N2862	N2792/N2796	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2862/N2858	N2792/N2796	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2858/N2860	N2792/N2796	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2860/N2936	N2792/N2796	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2936/N2859	N2792/N2796	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N2859/N2796	N2792/N2796	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N2720/N2789	N2720/N2789	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2694/N2788	N2694/N2788	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2606/N2586	N2606/N2586	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N2606/N2588	N2606/N2588	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2588/N2609	N2588/N2609	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N2609/N2591	N2609/N2591	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2591/N2612	N2591/N2612	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N2254/N2234	N2254/N2234	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N2254/N2236	N2254/N2236	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2236/N2257	N2236/N2257	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N2257/N2239	N2257/N2239	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2239/N2260	N2239/N2260	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N2612/N2594	N2612/N2594	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2594/N2615	N2594/N2615	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N2615/N2597	N2615/N2597	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2597/N2618	N2597/N2618	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N2618/N2600	N2618/N2600	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2600/N2621	N2600/N2621	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N2621/N2603	N2621/N2603	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2603/N2624	N2603/N2624	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N2260/N2242	N2260/N2242	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2242/N2263	N2242/N2263	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N2263/N2245	N2263/N2245	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2245/N2266	N2245/N2266	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N2266/N2248	N2266/N2248	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2248/N2269	N2248/N2269	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N2269/N2251	N2269/N2251	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2251/N2272	N2251/N2272	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N2937/N2938	N2937/N2944	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2938/N2939	N2937/N2944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2939/N2940	N2937/N2944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2940/N2941	N2937/N2944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2941/N2942	N2937/N2944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2942/N2943	N2937/N2944	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2943/N2944	N2937/N2944	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N2944/N2945	N2944/N2950	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2945/N2946	N2944/N2950	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2946/N2947	N2944/N2950	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2947/N2948	N2944/N2950	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2948/N2949	N2944/N2950	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2949/N2950	N2944/N2950	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N2950/N2951	N2950/N2956	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N2951/N2952	N2950/N2956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2952/N2953	N2950/N2956	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2953/N2954	N2950/N2956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2954/N2955	N2950/N2956	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2955/N2956	N2950/N2956	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N2957/N2958	N2957/N2964	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2958/N2959	N2957/N2964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2959/N2960	N2957/N2964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2960/N2961	N2957/N2964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2961/N2962	N2957/N2964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2962/N2963	N2957/N2964	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2963/N2964	N2957/N2964	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N2964/N2965	N2964/N2970	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2965/N2966	N2964/N2970	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2966/N2967	N2964/N2970	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2967/N2968	N2964/N2970	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2968/N2969	N2964/N2970	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2969/N2970	N2964/N2970	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N2970/N2971	N2970/N2976	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N2971/N2972	N2970/N2976	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2972/N2973	N2970/N2976	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N2973/N2974	N2970/N2976	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2974/N2975	N2970/N2976	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2975/N2976	N2970/N2976	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2977/N2978	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N2978/N2979	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2979/N2980	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2980/N2981	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N2981/N2982	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N2982/N2983	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2983/N2984	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2984/N2985	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N2985/N2986	N2977/N2986	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N2986/N2987	N2986/N2994	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2987/N2988	N2986/N2994	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2988/N2989	N2986/N2994	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2989/N2990	N2986/N2994	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N2990/N2991	N2986/N2994	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2991/N2992	N2986/N2994	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2992/N2993	N2986/N2994	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N2993/N2994	N2986/N2994	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N2994/N2995	N2994/N3002	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N2995/N2996	N2994/N3002	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2996/N2997	N2994/N3002	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N2997/N2998	N2994/N3002	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N2998/N2999	N2994/N3002	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N2999/N3000	N2994/N3002	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3000/N3001	N2994/N3002	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3001/N3002	N2994/N3002	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3003/N3004	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3004/N3005	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3005/N3006	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3006/N3007	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3007/N3008	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3008/N3009	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3009/N3010	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3010/N3011	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3011/N3012	N3003/N3012	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3012/N3013	N3012/N3020	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3013/N3014	N3012/N3020	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3014/N3015	N3012/N3020	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3015/N3016	N3012/N3020	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3016/N3017	N3012/N3020	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3017/N3018	N3012/N3020	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3018/N3019	N3012/N3020	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3019/N3020	N3012/N3020	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3020/N3021	N3020/N3028	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3021/N3022	N3020/N3028	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3022/N3023	N3020/N3028	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3023/N3024	N3020/N3028	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3024/N3025	N3020/N3028	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3025/N3026	N3020/N3028	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3026/N3027	N3020/N3028	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3027/N3028	N3020/N3028	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3029/N3030	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3030/N3031	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3031/N3032	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3032/N3033	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N3033/N3034	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N3034/N3035	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3035/N3036	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3036/N3037	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3037/N3038	N3029/N3038	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N3038/N3039	N3038/N3046	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3039/N3040	N3038/N3046	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3040/N3041	N3038/N3046	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3041/N3042	N3038/N3046	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3042/N3043	N3038/N3046	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3043/N3044	N3038/N3046	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3044/N3045	N3038/N3046	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3045/N3046	N3038/N3046	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N3046/N3047	N3046/N3054	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3047/N3048	N3046/N3054	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3048/N3049	N3046/N3054	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3049/N3050	N3046/N3054	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N3050/N3051	N3046/N3054	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3051/N3052	N3046/N3054	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3052/N3053	N3046/N3054	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3053/N3054	N3046/N3054	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3055/N3056	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3056/N3057	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3057/N3058	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3058/N3059	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3059/N3060	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3060/N3061	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3061/N3062	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N3062/N3063	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N3063/N3064	N3055/N3064	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3064/N3065	N3064/N3072	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3065/N3066	N3064/N3072	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3066/N3067	N3064/N3072	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3067/N3068	N3064/N3072	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3068/N3069	N3064/N3072	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3069/N3070	N3064/N3072	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3070/N3071	N3064/N3072	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3071/N3072	N3064/N3072	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3072/N3073	N3072/N3080	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3073/N3074	N3072/N3080	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3074/N3075	N3072/N3080	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3075/N3076	N3072/N3080	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3076/N3077	N3072/N3080	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3077/N3078	N3072/N3080	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3078/N3079	N3072/N3080	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3079/N3080	N3072/N3080	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3081/N3082	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3082/N3083	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3083/N3084	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3084/N3085	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3085/N3086	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3086/N3087	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3087/N3088	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3088/N3089	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3089/N3090	N3081/N3090	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N3090/N3091	N3090/N3098	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3091/N3092	N3090/N3098	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3092/N3093	N3090/N3098	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3093/N3094	N3090/N3098	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3094/N3095	N3090/N3098	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3095/N3096	N3090/N3098	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3096/N3097	N3090/N3098	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3097/N3098	N3090/N3098	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N3098/N3099	N3098/N3106	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3099/N3100	N3098/N3106	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3100/N3101	N3098/N3106	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3101/N3102	N3098/N3106	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3102/N3103	N3098/N3106	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3103/N3104	N3098/N3106	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3104/N3105	N3098/N3106	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3105/N3106	N3098/N3106	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N3107/N3108	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3108/N3109	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3109/N3110	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3110/N3111	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3111/N3112	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3112/N3113	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3113/N3114	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3114/N3115	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3115/N3116	N3107/N3116	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N3116/N3117	N3116/N3124	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3117/N3118	N3116/N3124	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3118/N3119	N3116/N3124	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3119/N3120	N3116/N3124	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3120/N3121	N3116/N3124	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3121/N3122	N3116/N3124	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3122/N3123	N3116/N3124	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3123/N3124	N3116/N3124	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3124/N3125	N3124/N3132	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3125/N3126	N3124/N3132	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3126/N3127	N3124/N3132	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3127/N3128	N3124/N3132	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3128/N3129	N3124/N3132	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3129/N3130	N3124/N3132	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3130/N3131	N3124/N3132	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3131/N3132	N3124/N3132	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N2964/N2944	N2964/N2944	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N2964/N2986	N2964/N2986	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2986/N3012	N2986/N3012	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2944/N3012	N2944/N3012	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2986/N3038	N2986/N3038	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3038/N3064	N3038/N3064	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3012/N3064	N3012/N3064	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3133/N3134	N3133/N3134	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3134/N3135	N3134/N3135	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3136/N3135	N3136/N3135	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3133/N3136	N3133/N3136	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3135/N3116	N3135/N3116	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3090/N3116	N3090/N3116	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3136/N3090	N3136/N3090	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3116/N3137	N3116/N3137	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3138/N3137	N3138/N3137	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3090/N3138	N3090/N3138	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2970/N2950	N2970/N2950	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N2950/N3020	N2950/N3020	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2970/N2994	N2970/N2994	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2994/N3020	N2994/N3020	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2994/N3046	N2994/N3046	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3020/N3072	N3020/N3072	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3046/N3072	N3046/N3072	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3140/N3139	N3140/N3139	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3141/N3142	N3141/N3142	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3139/N3142	N3139/N3142	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3142/N3124	N3142/N3124	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3098/N3124	N3098/N3124	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3139/N3098	N3139/N3098	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3098/N3143	N3098/N3143	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3124/N3144	N3124/N3144	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3143/N3144	N3143/N3144	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3140/N3141	N3140/N3141	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2976/N2956	N2976/N2956	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N3002/N3028	N3002/N3028	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3054/N3080	N3054/N3080	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3146/N3145	N3146/N3145	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3106/N3132	N3106/N3132	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3147/N3148	N3147/N3148	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3149/N3150	N3149/N3150	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N2944/N2612	N2944/N2612	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3012/N2634	N3012/N2634	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3064/N2686	N3064/N2686	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3134/N2781	N3134/N2781	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3135/N2784	N3135/N2784	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3116/N2738	N3116/N2738	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3137/N2786	N3137/N2786	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2950/N2618	N2950/N2618	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3020/N2642	N3020/N2642	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3072/N2694	N3072/N2694	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3141/N2788	N3141/N2788	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3142/N2787	N3142/N2787	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3124/N2746	N3124/N2746	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3144/N2791	N3144/N2791	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N2956/N2624	N2956/N2624	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3028/N2650	N3028/N2650	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3080/N2702	N3080/N2702	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3150/N2797	N3150/N2797	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3145/N2794	N3145/N2794	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3132/N2754	N3132/N2754	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3148/N2795	N3148/N2795	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3038/N3133	N3038/N3133	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3064/N3134	N3064/N3134	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N2958/N2978	N2958/N2978	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2959/N2979	N2959/N2979	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2960/N2980	N2960/N2980	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2961/N2982	N2961/N2982	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2962/N2983	N2962/N2983	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2963/N2984	N2963/N2984	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2978/N3030	N2978/N3030	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2979/N3031	N2979/N3031	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2980/N3032	N2980/N3032	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2982/N3034	N2982/N3034	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2983/N3035	N2983/N3035	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2984/N3036	N2984/N3036	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3151/N3082	N3151/N3082	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3152/N3083	N3152/N3083	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3153/N3084	N3153/N3084	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3154/N3086	N3154/N3086	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3155/N3087	N3155/N3087	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3156/N3088	N3156/N3088	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3082/N3157	N3082/N3157	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3083/N3158	N3083/N3158	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3084/N3159	N3084/N3159	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3086/N3160	N3086/N3160	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3087/N3161	N3087/N3161	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3088/N3162	N3088/N3162	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3091/N3163	N3091/N3163	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3092/N3164	N3092/N3164	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3095/N3165	N3095/N3165	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3096/N3166	N3096/N3166	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3094/N3167	N3094/N3167	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3168/N3091	N3168/N3091	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3169/N3092	N3169/N3092	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3170/N3095	N3170/N3095	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3171/N3096	N3171/N3096	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3172/N3094	N3172/N3094	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2987/N3039	N2987/N3039	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2988/N3040	N2988/N3040	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2991/N3043	N2991/N3043	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2992/N3044	N2992/N3044	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2990/N3042	N2990/N3042	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2965/N2987	N2965/N2987	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2966/N2988	N2966/N2988	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2968/N2991	N2968/N2991	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2969/N2992	N2969/N2992	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2967/N2990	N2967/N2990	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2973/N2998	N2973/N2998	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2974/N2999	N2974/N2999	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2975/N3000	N2975/N3000	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2972/N2996	N2972/N2996	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2971/N2995	N2971/N2995	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2998/N3050	N2998/N3050	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2999/N3051	N2999/N3051	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3000/N3052	N3000/N3052	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2996/N3048	N2996/N3048	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2995/N3047	N2995/N3047	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3173/N3102	N3173/N3102	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3174/N3103	N3174/N3103	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3175/N3104	N3175/N3104	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3176/N3100	N3176/N3100	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3177/N3099	N3177/N3099	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3102/N3178	N3102/N3178	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3104/N3179	N3104/N3179	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3103/N3180	N3103/N3180	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3099/N3181	N3099/N3181	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3100/N3182	N3100/N3182	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2938/N3004	N2938/N3004	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2939/N3005	N2939/N3005	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2940/N3007	N2940/N3007	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2941/N3008	N2941/N3008	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2942/N3009	N2942/N3009	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2943/N3011	N2943/N3011	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3004/N3056	N3004/N3056	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3005/N3057	N3005/N3057	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3007/N3059	N3007/N3059	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3008/N3060	N3008/N3060	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3009/N3061	N3009/N3061	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3011/N3063	N3011/N3063	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3183/N3108	N3183/N3108	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3184/N3109	N3184/N3109	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3185/N3111	N3185/N3111	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3186/N3112	N3186/N3112	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3187/N3113	N3187/N3113	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3188/N3115	N3188/N3115	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3108/N3189	N3108/N3189	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3109/N3190	N3109/N3190	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3111/N3191	N3111/N3191	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3112/N3192	N3112/N3192	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3113/N3193	N3113/N3193	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3115/N3194	N3115/N3194	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3117/N3195	N3117/N3195	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3119/N3196	N3119/N3196	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3121/N3197	N3121/N3197	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3123/N3198	N3123/N3198	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3120/N3199	N3120/N3199	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3200/N3117	N3200/N3117	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3201/N3119	N3201/N3119	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3202/N3121	N3202/N3121	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3203/N3123	N3203/N3123	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3204/N3120	N3204/N3120	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3013/N3065	N3013/N3065	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3015/N3067	N3015/N3067	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3017/N3069	N3017/N3069	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3019/N3071	N3019/N3071	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3016/N3068	N3016/N3068	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N2945/N3013	N2945/N3013	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2946/N3015	N2946/N3015	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2948/N3017	N2948/N3017	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2949/N3019	N2949/N3019	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2947/N3016	N2947/N3016	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2953/N3024	N2953/N3024	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2954/N3025	N2954/N3025	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2955/N3027	N2955/N3027	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2952/N3023	N2952/N3023	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N2951/N3021	N2951/N3021	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3024/N3076	N3024/N3076	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3025/N3077	N3025/N3077	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3027/N3079	N3027/N3079	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3023/N3075	N3023/N3075	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3021/N3073	N3021/N3073	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3205/N3128	N3205/N3128	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3206/N3129	N3206/N3129	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3207/N3131	N3207/N3131	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3208/N3127	N3208/N3127	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3209/N3125	N3209/N3125	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3128/N3210	N3128/N3210	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3131/N3211	N3131/N3211	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3129/N3212	N3129/N3212	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3125/N3213	N3125/N3213	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3127/N3214	N3127/N3214	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3030/N3215	N3030/N3215	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3031/N3216	N3031/N3216	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3032/N3217	N3032/N3217	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3034/N3218	N3034/N3218	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3035/N3219	N3035/N3219	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3036/N3220	N3036/N3220	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3039/N3221	N3039/N3221	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3040/N3222	N3040/N3222	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3043/N3223	N3043/N3223	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3044/N3224	N3044/N3224	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3042/N3225	N3042/N3225	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3050/N3226	N3050/N3226	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3051/N3227	N3051/N3227	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3052/N3228	N3052/N3228	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3048/N3229	N3048/N3229	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3047/N3230	N3047/N3230	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3056/N3231	N3056/N3231	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3057/N3232	N3057/N3232	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3059/N3233	N3059/N3233	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3060/N3234	N3060/N3234	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3061/N3235	N3061/N3235	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3063/N3236	N3063/N3236	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3065/N3237	N3065/N3237	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3067/N3238	N3067/N3238	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3069/N3239	N3069/N3239	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3071/N3240	N3071/N3240	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3068/N3241	N3068/N3241	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3076/N3242	N3076/N3242	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3077/N3243	N3077/N3243	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3079/N3244	N3079/N3244	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3075/N3245	N3075/N3245	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3073/N3246	N3073/N3246	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3247/N3215	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3215/N3216	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3216/N3217	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3217/N3248	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3248/N3218	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3218/N3219	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3219/N3220	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3220/N3249	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3249/N3133	N3247/N3133	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N3133/N3221	N3133/N3140	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3221/N3222	N3133/N3140	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3222/N3250	N3133/N3140	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3250/N3225	N3133/N3140	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3225/N3223	N3133/N3140	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3223/N3224	N3133/N3140	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3224/N3251	N3133/N3140	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3251/N3140	N3133/N3140	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N3140/N3230	N3140/N3149	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3230/N3229	N3140/N3149	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3229/N3252	N3140/N3149	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3252/N3226	N3140/N3149	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N3226/N3227	N3140/N3149	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3227/N3228	N3140/N3149	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3228/N3253	N3140/N3149	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3253/N3149	N3140/N3149	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3254/N3231	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3231/N3232	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3232/N3255	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3255/N3233	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3233/N3234	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3234/N3235	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3235/N3256	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3256/N3236	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3236/N3134	N3254/N3134	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3134/N3237	N3134/N3141	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3237/N3257	N3134/N3141	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3257/N3238	N3134/N3141	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3238/N3241	N3134/N3141	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N3241/N3239	N3134/N3141	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3239/N3258	N3134/N3141	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3258/N3240	N3134/N3141	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3240/N3141	N3134/N3141	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3141/N3246	N3141/N3150	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3246/N3259	N3141/N3150	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3259/N3245	N3141/N3150	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3245/N3242	N3141/N3150	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3242/N3243	N3141/N3150	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3243/N3260	N3141/N3150	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3260/N3244	N3141/N3150	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3244/N3150	N3141/N3150	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3261/N3151	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3151/N3152	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3152/N3153	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3153/N3262	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3262/N3154	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3154/N3155	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3155/N3156	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3156/N3263	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3263/N3136	N3261/N3136	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N3136/N3168	N3136/N3139	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3168/N3169	N3136/N3139	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3169/N3264	N3136/N3139	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3264/N3172	N3136/N3139	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3172/N3170	N3136/N3139	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3170/N3171	N3136/N3139	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3171/N3265	N3136/N3139	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N3265/N3139	N3136/N3139	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N3139/N3177	N3139/N3146	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3177/N3176	N3139/N3146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3176/N3266	N3139/N3146	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3266/N3173	N3139/N3146	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3173/N3174	N3139/N3146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3174/N3175	N3139/N3146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3175/N3267	N3139/N3146	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3267/N3146	N3139/N3146	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3268/N3183	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3183/N3184	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3184/N3269	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3269/N3185	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3185/N3186	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3186/N3187	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3187/N3270	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3270/N3188	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3188/N3135	N3268/N3135	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N3135/N3200	N3135/N3142	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3200/N3271	N3135/N3142	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3271/N3201	N3135/N3142	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3201/N3204	N3135/N3142	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3204/N3202	N3135/N3142	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3202/N3272	N3135/N3142	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3272/N3203	N3135/N3142	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3203/N3142	N3135/N3142	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3142/N3209	N3142/N3145	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3209/N3273	N3142/N3145	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3273/N3208	N3142/N3145	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3208/N3205	N3142/N3145	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3205/N3206	N3142/N3145	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3206/N3274	N3142/N3145	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3274/N3207	N3142/N3145	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3207/N3145	N3142/N3145	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3275/N3157	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3157/N3158	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3158/N3159	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3159/N3276	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3276/N3160	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3160/N3161	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3161/N3162	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3162/N3277	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N3277/N3138	N3275/N3138	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N3138/N3163	N3138/N3143	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3163/N3164	N3138/N3143	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3164/N3278	N3138/N3143	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3278/N3167	N3138/N3143	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3167/N3165	N3138/N3143	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3165/N3166	N3138/N3143	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3166/N3279	N3138/N3143	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N3279/N3143	N3138/N3143	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N3143/N3181	N3143/N3147	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3181/N3182	N3143/N3147	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3182/N3280	N3143/N3147	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3280/N3178	N3143/N3147	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3178/N3180	N3143/N3147	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3180/N3179	N3143/N3147	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3179/N3281	N3143/N3147	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N3281/N3147	N3143/N3147	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N3282/N3189	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3189/N3190	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3190/N3283	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3283/N3191	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3191/N3192	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3192/N3193	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3193/N3284	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3284/N3194	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3194/N3137	N3282/N3137	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N3137/N3195	N3137/N3144	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3195/N3285	N3137/N3144	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3285/N3196	N3137/N3144	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3196/N3199	N3137/N3144	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3199/N3197	N3137/N3144	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3197/N3286	N3137/N3144	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3286/N3198	N3137/N3144	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3198/N3144	N3137/N3144	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N3144/N3213	N3144/N3148	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3213/N3287	N3144/N3148	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3287/N3214	N3144/N3148	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3214/N3210	N3144/N3148	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3210/N3212	N3144/N3148	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3212/N3288	N3144/N3148	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3288/N3211	N3144/N3148	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3211/N3148	N3144/N3148	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N3072/N3141	N3072/N3141	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3046/N3140	N3046/N3140	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3289/N3290	N3289/N3296	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3290/N3291	N3289/N3296	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3291/N3292	N3289/N3296	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3292/N3293	N3289/N3296	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3293/N3294	N3289/N3296	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3294/N3295	N3289/N3296	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3295/N3296	N3289/N3296	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N3296/N3297	N3296/N3302	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3297/N3298	N3296/N3302	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3298/N3299	N3296/N3302	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3299/N3300	N3296/N3302	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3300/N3301	N3296/N3302	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3301/N3302	N3296/N3302	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N3302/N3303	N3302/N3308	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3303/N3304	N3302/N3308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3304/N3305	N3302/N3308	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3305/N3306	N3302/N3308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3306/N3307	N3302/N3308	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3307/N3308	N3302/N3308	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N3309/N3310	N3309/N3316	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3310/N3311	N3309/N3316	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3311/N3312	N3309/N3316	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3312/N3313	N3309/N3316	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3313/N3314	N3309/N3316	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3314/N3315	N3309/N3316	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3315/N3316	N3309/N3316	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N3316/N3317	N3316/N3322	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3317/N3318	N3316/N3322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3318/N3319	N3316/N3322	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3319/N3320	N3316/N3322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3320/N3321	N3316/N3322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3321/N3322	N3316/N3322	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N3322/N3323	N3322/N3328	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3323/N3324	N3322/N3328	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3324/N3325	N3322/N3328	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3325/N3326	N3322/N3328	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3326/N3327	N3322/N3328	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3327/N3328	N3322/N3328	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3329/N3330	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3330/N3331	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3331/N3332	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3332/N3333	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3333/N3334	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3334/N3335	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3335/N3336	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3336/N3337	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N3337/N3338	N3329/N3338	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N3338/N3339	N3338/N3346	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3339/N3340	N3338/N3346	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3340/N3341	N3338/N3346	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3341/N3342	N3338/N3346	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3342/N3343	N3338/N3346	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3343/N3344	N3338/N3346	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3344/N3345	N3338/N3346	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3345/N3346	N3338/N3346	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N3346/N3347	N3346/N3354	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3347/N3348	N3346/N3354	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3348/N3349	N3346/N3354	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3349/N3350	N3346/N3354	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N3350/N3351	N3346/N3354	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3351/N3352	N3346/N3354	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3352/N3353	N3346/N3354	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3353/N3354	N3346/N3354	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3355/N3356	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3356/N3357	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3357/N3358	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3358/N3359	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3359/N3360	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3360/N3361	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3361/N3362	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3362/N3363	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3363/N3364	N3355/N3364	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3364/N3365	N3364/N3372	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3365/N3366	N3364/N3372	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3366/N3367	N3364/N3372	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3367/N3368	N3364/N3372	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3368/N3369	N3364/N3372	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3369/N3370	N3364/N3372	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3370/N3371	N3364/N3372	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3371/N3372	N3364/N3372	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3372/N3373	N3372/N3380	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3373/N3374	N3372/N3380	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3374/N3375	N3372/N3380	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3375/N3376	N3372/N3380	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3376/N3377	N3372/N3380	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3377/N3378	N3372/N3380	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3378/N3379	N3372/N3380	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3379/N3380	N3372/N3380	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3381/N3382	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3382/N3383	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3383/N3384	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3384/N3385	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N3385/N3386	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N3386/N3387	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3387/N3388	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3388/N3389	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3389/N3390	N3381/N3390	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N3390/N3391	N3390/N3398	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3391/N3392	N3390/N3398	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3392/N3393	N3390/N3398	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3393/N3394	N3390/N3398	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3394/N3395	N3390/N3398	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3395/N3396	N3390/N3398	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3396/N3397	N3390/N3398	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3397/N3398	N3390/N3398	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N3398/N3399	N3398/N3406	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3399/N3400	N3398/N3406	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3400/N3401	N3398/N3406	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3401/N3402	N3398/N3406	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N3402/N3403	N3398/N3406	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3403/N3404	N3398/N3406	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3404/N3405	N3398/N3406	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3405/N3406	N3398/N3406	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3407/N3408	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3408/N3409	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3409/N3410	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3410/N3411	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3411/N3412	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3412/N3413	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3413/N3414	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N3414/N3415	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N3415/N3416	N3407/N3416	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3416/N3417	N3416/N3424	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3417/N3418	N3416/N3424	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3418/N3419	N3416/N3424	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3419/N3420	N3416/N3424	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3420/N3421	N3416/N3424	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3421/N3422	N3416/N3424	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3422/N3423	N3416/N3424	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3423/N3424	N3416/N3424	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3424/N3425	N3424/N3432	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3425/N3426	N3424/N3432	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3426/N3427	N3424/N3432	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3427/N3428	N3424/N3432	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3428/N3429	N3424/N3432	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3429/N3430	N3424/N3432	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3430/N3431	N3424/N3432	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3431/N3432	N3424/N3432	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3433/N3434	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3434/N3435	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3435/N3436	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3436/N3437	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3437/N3438	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3438/N3439	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3439/N3440	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3440/N3441	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3441/N3442	N3433/N3442	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N3442/N3443	N3442/N3450	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3443/N3444	N3442/N3450	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3444/N3445	N3442/N3450	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3445/N3446	N3442/N3450	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3446/N3447	N3442/N3450	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3447/N3448	N3442/N3450	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3448/N3449	N3442/N3450	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3449/N3450	N3442/N3450	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N3450/N3451	N3450/N3458	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3451/N3452	N3450/N3458	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3452/N3453	N3450/N3458	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3453/N3454	N3450/N3458	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3454/N3455	N3450/N3458	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3455/N3456	N3450/N3458	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3456/N3457	N3450/N3458	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3457/N3458	N3450/N3458	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N3459/N3460	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3460/N3461	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3461/N3462	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3462/N3463	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3463/N3464	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3464/N3465	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3465/N3466	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3466/N3467	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3467/N3468	N3459/N3468	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N3468/N3469	N3468/N3476	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3469/N3470	N3468/N3476	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3470/N3471	N3468/N3476	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3471/N3472	N3468/N3476	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3472/N3473	N3468/N3476	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3473/N3474	N3468/N3476	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3474/N3475	N3468/N3476	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3475/N3476	N3468/N3476	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3476/N3477	N3476/N3484	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3477/N3478	N3476/N3484	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3478/N3479	N3476/N3484	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3479/N3480	N3476/N3484	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3480/N3481	N3476/N3484	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3481/N3482	N3476/N3484	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3482/N3483	N3476/N3484	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3483/N3484	N3476/N3484	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3316/N3296	N3316/N3296	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N3316/N3338	N3316/N3338	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3338/N3364	N3338/N3364	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3296/N3364	N3296/N3364	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3338/N3390	N3338/N3390	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3390/N3416	N3390/N3416	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3364/N3416	N3364/N3416	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3485/N3486	N3485/N3486	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3486/N3487	N3486/N3487	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3488/N3487	N3488/N3487	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3485/N3488	N3485/N3488	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3487/N3468	N3487/N3468	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3442/N3468	N3442/N3468	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3488/N3442	N3488/N3442	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3468/N3489	N3468/N3489	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3490/N3489	N3490/N3489	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3442/N3490	N3442/N3490	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3322/N3302	N3322/N3302	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N3302/N3372	N3302/N3372	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3322/N3346	N3322/N3346	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3346/N3372	N3346/N3372	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3346/N3398	N3346/N3398	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3372/N3424	N3372/N3424	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3398/N3424	N3398/N3424	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3492/N3491	N3492/N3491	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3493/N3494	N3493/N3494	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3491/N3494	N3491/N3494	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3494/N3476	N3494/N3476	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3450/N3476	N3450/N3476	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3491/N3450	N3491/N3450	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3450/N3495	N3450/N3495	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3476/N3496	N3476/N3496	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3495/N3496	N3495/N3496	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3492/N3493	N3492/N3493	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3328/N3308	N3328/N3308	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N3354/N3380	N3354/N3380	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3406/N3432	N3406/N3432	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3498/N3497	N3498/N3497	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3458/N3484	N3458/N3484	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3499/N3500	N3499/N3500	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3501/N3502	N3501/N3502	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3296/N2964	N3296/N2964	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3364/N2986	N3364/N2986	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3416/N3038	N3416/N3038	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3486/N3133	N3486/N3133	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3487/N3136	N3487/N3136	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3468/N3090	N3468/N3090	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3489/N3138	N3489/N3138	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3302/N2970	N3302/N2970	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3372/N2994	N3372/N2994	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3424/N3046	N3424/N3046	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3493/N3140	N3493/N3140	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3494/N3139	N3494/N3139	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3476/N3098	N3476/N3098	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3496/N3143	N3496/N3143	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3308/N2976	N3308/N2976	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3380/N3002	N3380/N3002	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3432/N3054	N3432/N3054	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3502/N3149	N3502/N3149	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3497/N3146	N3497/N3146	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3484/N3106	N3484/N3106	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3500/N3147	N3500/N3147	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3390/N3485	N3390/N3485	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3416/N3486	N3416/N3486	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3310/N3330	N3310/N3330	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3311/N3331	N3311/N3331	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3312/N3332	N3312/N3332	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3313/N3334	N3313/N3334	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3314/N3335	N3314/N3335	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3315/N3336	N3315/N3336	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3330/N3382	N3330/N3382	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3331/N3383	N3331/N3383	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3332/N3384	N3332/N3384	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3334/N3386	N3334/N3386	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3335/N3387	N3335/N3387	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3336/N3388	N3336/N3388	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3503/N3434	N3503/N3434	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3504/N3435	N3504/N3435	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3505/N3436	N3505/N3436	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3506/N3438	N3506/N3438	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3507/N3439	N3507/N3439	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3508/N3440	N3508/N3440	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3434/N3509	N3434/N3509	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3435/N3510	N3435/N3510	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3436/N3511	N3436/N3511	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3438/N3512	N3438/N3512	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3439/N3513	N3439/N3513	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3440/N3514	N3440/N3514	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3443/N3515	N3443/N3515	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3444/N3516	N3444/N3516	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3447/N3517	N3447/N3517	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3448/N3518	N3448/N3518	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3446/N3519	N3446/N3519	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3520/N3443	N3520/N3443	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3521/N3444	N3521/N3444	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3522/N3447	N3522/N3447	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3523/N3448	N3523/N3448	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3524/N3446	N3524/N3446	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3339/N3391	N3339/N3391	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3340/N3392	N3340/N3392	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3343/N3395	N3343/N3395	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3344/N3396	N3344/N3396	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3342/N3394	N3342/N3394	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3317/N3339	N3317/N3339	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3318/N3340	N3318/N3340	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3320/N3343	N3320/N3343	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3321/N3344	N3321/N3344	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3319/N3342	N3319/N3342	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3325/N3350	N3325/N3350	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3326/N3351	N3326/N3351	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3327/N3352	N3327/N3352	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3324/N3348	N3324/N3348	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3323/N3347	N3323/N3347	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3350/N3402	N3350/N3402	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3351/N3403	N3351/N3403	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3352/N3404	N3352/N3404	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3348/N3400	N3348/N3400	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3347/N3399	N3347/N3399	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3525/N3454	N3525/N3454	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3526/N3455	N3526/N3455	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3527/N3456	N3527/N3456	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3528/N3452	N3528/N3452	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3529/N3451	N3529/N3451	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3454/N3530	N3454/N3530	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3456/N3531	N3456/N3531	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3455/N3532	N3455/N3532	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3451/N3533	N3451/N3533	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3452/N3534	N3452/N3534	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3290/N3356	N3290/N3356	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3291/N3357	N3291/N3357	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3292/N3359	N3292/N3359	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3293/N3360	N3293/N3360	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3294/N3361	N3294/N3361	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3295/N3363	N3295/N3363	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3356/N3408	N3356/N3408	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3357/N3409	N3357/N3409	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3359/N3411	N3359/N3411	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3360/N3412	N3360/N3412	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3361/N3413	N3361/N3413	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3363/N3415	N3363/N3415	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3535/N3460	N3535/N3460	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3536/N3461	N3536/N3461	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3537/N3463	N3537/N3463	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3538/N3464	N3538/N3464	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3539/N3465	N3539/N3465	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3540/N3467	N3540/N3467	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3460/N3541	N3460/N3541	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3461/N3542	N3461/N3542	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3463/N3543	N3463/N3543	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3464/N3544	N3464/N3544	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3465/N3545	N3465/N3545	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3467/N3546	N3467/N3546	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3469/N3547	N3469/N3547	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3471/N3548	N3471/N3548	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3473/N3549	N3473/N3549	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3475/N3550	N3475/N3550	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3472/N3551	N3472/N3551	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3552/N3469	N3552/N3469	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3553/N3471	N3553/N3471	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3554/N3473	N3554/N3473	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3555/N3475	N3555/N3475	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3556/N3472	N3556/N3472	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3365/N3417	N3365/N3417	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3367/N3419	N3367/N3419	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3369/N3421	N3369/N3421	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3371/N3423	N3371/N3423	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3368/N3420	N3368/N3420	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3297/N3365	N3297/N3365	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3298/N3367	N3298/N3367	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3300/N3369	N3300/N3369	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3301/N3371	N3301/N3371	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3299/N3368	N3299/N3368	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3305/N3376	N3305/N3376	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3306/N3377	N3306/N3377	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3307/N3379	N3307/N3379	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3304/N3375	N3304/N3375	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3303/N3373	N3303/N3373	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3376/N3428	N3376/N3428	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3377/N3429	N3377/N3429	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3379/N3431	N3379/N3431	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3375/N3427	N3375/N3427	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3373/N3425	N3373/N3425	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3557/N3480	N3557/N3480	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3558/N3481	N3558/N3481	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3559/N3483	N3559/N3483	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3560/N3479	N3560/N3479	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3561/N3477	N3561/N3477	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3480/N3562	N3480/N3562	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3483/N3563	N3483/N3563	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3481/N3564	N3481/N3564	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3477/N3565	N3477/N3565	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3479/N3566	N3479/N3566	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3382/N3567	N3382/N3567	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3383/N3568	N3383/N3568	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3384/N3569	N3384/N3569	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3386/N3570	N3386/N3570	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3387/N3571	N3387/N3571	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3388/N3572	N3388/N3572	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3391/N3573	N3391/N3573	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3392/N3574	N3392/N3574	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3395/N3575	N3395/N3575	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3396/N3576	N3396/N3576	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3394/N3577	N3394/N3577	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3402/N3578	N3402/N3578	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3403/N3579	N3403/N3579	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3404/N3580	N3404/N3580	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3400/N3581	N3400/N3581	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3399/N3582	N3399/N3582	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3408/N3583	N3408/N3583	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3409/N3584	N3409/N3584	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3411/N3585	N3411/N3585	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3412/N3586	N3412/N3586	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3413/N3587	N3413/N3587	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3415/N3588	N3415/N3588	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3417/N3589	N3417/N3589	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3419/N3590	N3419/N3590	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3421/N3591	N3421/N3591	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3423/N3592	N3423/N3592	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3420/N3593	N3420/N3593	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3428/N3594	N3428/N3594	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3429/N3595	N3429/N3595	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3431/N3596	N3431/N3596	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3427/N3597	N3427/N3597	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3425/N3598	N3425/N3598	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3599/N3567	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3567/N3568	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3568/N3569	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3569/N3600	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3600/N3570	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3570/N3571	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3571/N3572	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3572/N3601	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3601/N3485	N3599/N3485	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N3485/N3573	N3485/N3492	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3573/N3574	N3485/N3492	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3574/N3602	N3485/N3492	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3602/N3577	N3485/N3492	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3577/N3575	N3485/N3492	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3575/N3576	N3485/N3492	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3576/N3603	N3485/N3492	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3603/N3492	N3485/N3492	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N3492/N3582	N3492/N3501	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3582/N3581	N3492/N3501	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3581/N3604	N3492/N3501	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3604/N3578	N3492/N3501	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N3578/N3579	N3492/N3501	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3579/N3580	N3492/N3501	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3580/N3605	N3492/N3501	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3605/N3501	N3492/N3501	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3606/N3583	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3583/N3584	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3584/N3607	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3607/N3585	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3585/N3586	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3586/N3587	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3587/N3608	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3608/N3588	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3588/N3486	N3606/N3486	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3486/N3589	N3486/N3493	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3589/N3609	N3486/N3493	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3609/N3590	N3486/N3493	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3590/N3593	N3486/N3493	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N3593/N3591	N3486/N3493	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3591/N3610	N3486/N3493	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3610/N3592	N3486/N3493	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3592/N3493	N3486/N3493	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3493/N3598	N3493/N3502	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3598/N3611	N3493/N3502	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3611/N3597	N3493/N3502	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3597/N3594	N3493/N3502	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3594/N3595	N3493/N3502	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3595/N3612	N3493/N3502	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3612/N3596	N3493/N3502	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3596/N3502	N3493/N3502	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3613/N3503	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3503/N3504	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3504/N3505	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3505/N3614	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3614/N3506	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3506/N3507	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3507/N3508	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3508/N3615	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3615/N3488	N3613/N3488	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N3488/N3520	N3488/N3491	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3520/N3521	N3488/N3491	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3521/N3616	N3488/N3491	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3616/N3524	N3488/N3491	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3524/N3522	N3488/N3491	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3522/N3523	N3488/N3491	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3523/N3617	N3488/N3491	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N3617/N3491	N3488/N3491	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N3491/N3529	N3491/N3498	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3529/N3528	N3491/N3498	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3528/N3618	N3491/N3498	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3618/N3525	N3491/N3498	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3525/N3526	N3491/N3498	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3526/N3527	N3491/N3498	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3527/N3619	N3491/N3498	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3619/N3498	N3491/N3498	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3620/N3535	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3535/N3536	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3536/N3621	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3621/N3537	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3537/N3538	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3538/N3539	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3539/N3622	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3622/N3540	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3540/N3487	N3620/N3487	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N3487/N3552	N3487/N3494	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3552/N3623	N3487/N3494	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3623/N3553	N3487/N3494	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3553/N3556	N3487/N3494	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3556/N3554	N3487/N3494	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3554/N3624	N3487/N3494	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3624/N3555	N3487/N3494	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3555/N3494	N3487/N3494	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3494/N3561	N3494/N3497	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3561/N3625	N3494/N3497	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3625/N3560	N3494/N3497	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3560/N3557	N3494/N3497	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3557/N3558	N3494/N3497	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3558/N3626	N3494/N3497	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3626/N3559	N3494/N3497	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3559/N3497	N3494/N3497	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3627/N3509	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3509/N3510	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3510/N3511	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3511/N3628	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3628/N3512	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3512/N3513	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3513/N3514	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3514/N3629	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N3629/N3490	N3627/N3490	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N3490/N3515	N3490/N3495	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3515/N3516	N3490/N3495	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3516/N3630	N3490/N3495	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3630/N3519	N3490/N3495	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3519/N3517	N3490/N3495	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3517/N3518	N3490/N3495	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3518/N3631	N3490/N3495	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N3631/N3495	N3490/N3495	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N3495/N3533	N3495/N3499	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3533/N3534	N3495/N3499	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3534/N3632	N3495/N3499	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3632/N3530	N3495/N3499	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3530/N3532	N3495/N3499	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3532/N3531	N3495/N3499	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3531/N3633	N3495/N3499	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N3633/N3499	N3495/N3499	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N3634/N3541	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3541/N3542	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3542/N3635	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3635/N3543	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3543/N3544	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3544/N3545	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3545/N3636	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3636/N3546	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3546/N3489	N3634/N3489	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N3489/N3547	N3489/N3496	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3547/N3637	N3489/N3496	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3637/N3548	N3489/N3496	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3548/N3551	N3489/N3496	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3551/N3549	N3489/N3496	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3549/N3638	N3489/N3496	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3638/N3550	N3489/N3496	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3550/N3496	N3489/N3496	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N3496/N3565	N3496/N3500	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3565/N3639	N3496/N3500	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3639/N3566	N3496/N3500	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3566/N3562	N3496/N3500	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3562/N3564	N3496/N3500	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3564/N3640	N3496/N3500	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3640/N3563	N3496/N3500	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3563/N3500	N3496/N3500	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N3424/N3493	N3424/N3493	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3398/N3492	N3398/N3492	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3310/N3290	N3310/N3290	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N3310/N3292	N3310/N3292	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3292/N3313	N3292/N3313	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N3313/N3295	N3313/N3295	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3295/N3316	N3295/N3316	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N2958/N2938	N2958/N2938	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N2958/N2940	N2958/N2940	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2940/N2961	N2940/N2961	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N2961/N2943	N2961/N2943	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2943/N2964	N2943/N2964	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N3316/N3298	N3316/N3298	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3298/N3319	N3298/N3319	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N3319/N3301	N3319/N3301	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3301/N3322	N3301/N3322	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N3322/N3304	N3322/N3304	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3304/N3325	N3304/N3325	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N3325/N3307	N3325/N3307	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3307/N3328	N3307/N3328	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N2964/N2946	N2964/N2946	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2946/N2967	N2946/N2967	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N2967/N2949	N2967/N2949	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2949/N2970	N2949/N2970	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N2970/N2952	N2970/N2952	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2952/N2973	N2952/N2973	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N2973/N2955	N2973/N2955	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N2955/N2976	N2955/N2976	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N3641/N3642	N3641/N3648	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3642/N3643	N3641/N3648	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3643/N3644	N3641/N3648	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3644/N3645	N3641/N3648	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3645/N3646	N3641/N3648	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3646/N3647	N3641/N3648	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3647/N3648	N3641/N3648	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N3648/N3649	N3648/N3654	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3649/N3650	N3648/N3654	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3650/N3651	N3648/N3654	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3651/N3652	N3648/N3654	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3652/N3653	N3648/N3654	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3653/N3654	N3648/N3654	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N3654/N3655	N3654/N3660	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3655/N3656	N3654/N3660	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3656/N3657	N3654/N3660	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3657/N3658	N3654/N3660	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3658/N3659	N3654/N3660	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3659/N3660	N3654/N3660	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N3661/N3662	N3661/N3668	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3662/N3663	N3661/N3668	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3663/N3664	N3661/N3668	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3664/N3665	N3661/N3668	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3665/N3666	N3661/N3668	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3666/N3667	N3661/N3668	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3667/N3668	N3661/N3668	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N3668/N3669	N3668/N3674	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3669/N3670	N3668/N3674	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3670/N3671	N3668/N3674	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3671/N3672	N3668/N3674	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3672/N3673	N3668/N3674	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3673/N3674	N3668/N3674	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N3674/N3675	N3674/N3680	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3675/N3676	N3674/N3680	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3676/N3677	N3674/N3680	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3677/N3678	N3674/N3680	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3678/N3679	N3674/N3680	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3679/N3680	N3674/N3680	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N3681/N3682	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3682/N3683	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3683/N3684	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3684/N3685	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3685/N3686	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3686/N3687	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3687/N3688	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3688/N3689	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N3689/N3690	N3681/N3690	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N3690/N3691	N3690/N3698	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3691/N3692	N3690/N3698	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3692/N3693	N3690/N3698	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3693/N3694	N3690/N3698	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3694/N3695	N3690/N3698	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3695/N3696	N3690/N3698	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3696/N3697	N3690/N3698	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3697/N3698	N3690/N3698	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N3698/N3699	N3698/N3706	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3699/N3700	N3698/N3706	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3700/N3701	N3698/N3706	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3701/N3702	N3698/N3706	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N3702/N3703	N3698/N3706	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3703/N3704	N3698/N3706	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3704/N3705	N3698/N3706	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3705/N3706	N3698/N3706	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3707/N3708	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3708/N3709	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3709/N3710	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3710/N3711	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3711/N3712	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3712/N3713	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3713/N3714	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3714/N3715	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3715/N3716	N3707/N3716	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3716/N3717	N3716/N3724	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3717/N3718	N3716/N3724	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3718/N3719	N3716/N3724	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3719/N3720	N3716/N3724	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3720/N3721	N3716/N3724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3721/N3722	N3716/N3724	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3722/N3723	N3716/N3724	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3723/N3724	N3716/N3724	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3724/N3725	N3724/N3732	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3725/N3726	N3724/N3732	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3726/N3727	N3724/N3732	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3727/N3728	N3724/N3732	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3728/N3729	N3724/N3732	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3729/N3730	N3724/N3732	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3730/N3731	N3724/N3732	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3731/N3732	N3724/N3732	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3733/N3734	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3734/N3735	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3735/N3736	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3736/N3737	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N3737/N3738	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N3738/N3739	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3739/N3740	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3740/N3741	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3741/N3742	N3733/N3742	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N3742/N3743	N3742/N3750	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3743/N3744	N3742/N3750	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3744/N3745	N3742/N3750	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3745/N3746	N3742/N3750	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3746/N3747	N3742/N3750	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3747/N3748	N3742/N3750	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3748/N3749	N3742/N3750	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3749/N3750	N3742/N3750	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N3750/N3751	N3750/N3758	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3751/N3752	N3750/N3758	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3752/N3753	N3750/N3758	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3753/N3754	N3750/N3758	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N3754/N3755	N3750/N3758	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3755/N3756	N3750/N3758	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3756/N3757	N3750/N3758	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3757/N3758	N3750/N3758	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3759/N3760	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3760/N3761	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3761/N3762	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3762/N3763	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3763/N3764	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3764/N3765	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3765/N3766	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N3766/N3767	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N3767/N3768	N3759/N3768	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3768/N3769	N3768/N3776	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3769/N3770	N3768/N3776	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3770/N3771	N3768/N3776	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3771/N3772	N3768/N3776	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3772/N3773	N3768/N3776	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3773/N3774	N3768/N3776	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3774/N3775	N3768/N3776	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3775/N3776	N3768/N3776	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3776/N3777	N3776/N3784	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3777/N3778	N3776/N3784	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3778/N3779	N3776/N3784	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3779/N3780	N3776/N3784	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3780/N3781	N3776/N3784	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3781/N3782	N3776/N3784	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3782/N3783	N3776/N3784	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3783/N3784	N3776/N3784	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3785/N3786	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3786/N3787	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3787/N3788	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3788/N3789	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3789/N3790	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3790/N3791	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3791/N3792	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3792/N3793	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3793/N3794	N3785/N3794	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N3794/N3795	N3794/N3802	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3795/N3796	N3794/N3802	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3796/N3797	N3794/N3802	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3797/N3798	N3794/N3802	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3798/N3799	N3794/N3802	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3799/N3800	N3794/N3802	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3800/N3801	N3794/N3802	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3801/N3802	N3794/N3802	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N3802/N3803	N3802/N3810	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N3803/N3804	N3802/N3810	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3804/N3805	N3802/N3810	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3805/N3806	N3802/N3810	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3806/N3807	N3802/N3810	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3807/N3808	N3802/N3810	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3808/N3809	N3802/N3810	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3809/N3810	N3802/N3810	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N3811/N3812	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3812/N3813	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3813/N3814	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3814/N3815	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3815/N3816	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3816/N3817	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3817/N3818	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3818/N3819	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3819/N3820	N3811/N3820	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N3820/N3821	N3820/N3828	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3821/N3822	N3820/N3828	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3822/N3823	N3820/N3828	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3823/N3824	N3820/N3828	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3824/N3825	N3820/N3828	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3825/N3826	N3820/N3828	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3826/N3827	N3820/N3828	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3827/N3828	N3820/N3828	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3828/N3829	N3828/N3836	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3829/N3830	N3828/N3836	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3830/N3831	N3828/N3836	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3831/N3832	N3828/N3836	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3832/N3833	N3828/N3836	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3833/N3834	N3828/N3836	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3834/N3835	N3828/N3836	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3835/N3836	N3828/N3836	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3668/N3648	N3668/N3648	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N3668/N3690	N3668/N3690	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3690/N3716	N3690/N3716	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3648/N3716	N3648/N3716	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3690/N3742	N3690/N3742	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3742/N3768	N3742/N3768	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3716/N3768	N3716/N3768	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3837/N3838	N3837/N3838	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3838/N3839	N3838/N3839	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3840/N3839	N3840/N3839	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3837/N3840	N3837/N3840	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3839/N3820	N3839/N3820	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3794/N3820	N3794/N3820	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3840/N3794	N3840/N3794	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3820/N3841	N3820/N3841	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3842/N3841	N3842/N3841	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3794/N3842	N3794/N3842	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3674/N3654	N3674/N3654	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N3654/N3724	N3654/N3724	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3674/N3698	N3674/N3698	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3698/N3724	N3698/N3724	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3698/N3750	N3698/N3750	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3724/N3776	N3724/N3776	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3750/N3776	N3750/N3776	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3844/N3843	N3844/N3843	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3845/N3846	N3845/N3846	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N3843/N3846	N3843/N3846	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3846/N3828	N3846/N3828	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3802/N3828	N3802/N3828	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3843/N3802	N3843/N3802	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3802/N3847	N3802/N3847	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3828/N3848	N3828/N3848	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3847/N3848	N3847/N3848	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3844/N3845	N3844/N3845	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3680/N3660	N3680/N3660	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N3706/N3732	N3706/N3732	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3758/N3784	N3758/N3784	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3850/N3849	N3850/N3849	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3810/N3836	N3810/N3836	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3851/N3852	N3851/N3852	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3853/N3854	N3853/N3854	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N3648/N3316	N3648/N3316	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3716/N3338	N3716/N3338	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3768/N3390	N3768/N3390	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3838/N3485	N3838/N3485	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3839/N3488	N3839/N3488	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3820/N3442	N3820/N3442	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3841/N3490	N3841/N3490	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3654/N3322	N3654/N3322	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3724/N3346	N3724/N3346	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3776/N3398	N3776/N3398	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3845/N3492	N3845/N3492	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3846/N3491	N3846/N3491	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3828/N3450	N3828/N3450	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3848/N3495	N3848/N3495	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3660/N3328	N3660/N3328	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N3732/N3354	N3732/N3354	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3784/N3406	N3784/N3406	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3854/N3501	N3854/N3501	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3849/N3498	N3849/N3498	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3836/N3458	N3836/N3458	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3852/N3499	N3852/N3499	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N3742/N3837	N3742/N3837	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3768/N3838	N3768/N3838	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3662/N3682	N3662/N3682	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3663/N3683	N3663/N3683	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3664/N3684	N3664/N3684	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3665/N3686	N3665/N3686	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3666/N3687	N3666/N3687	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3667/N3688	N3667/N3688	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3682/N3734	N3682/N3734	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3683/N3735	N3683/N3735	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3684/N3736	N3684/N3736	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3686/N3738	N3686/N3738	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3687/N3739	N3687/N3739	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3688/N3740	N3688/N3740	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3855/N3786	N3855/N3786	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3856/N3787	N3856/N3787	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3857/N3788	N3857/N3788	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3858/N3790	N3858/N3790	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3859/N3791	N3859/N3791	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3860/N3792	N3860/N3792	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3786/N3861	N3786/N3861	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3787/N3862	N3787/N3862	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3788/N3863	N3788/N3863	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3790/N3864	N3790/N3864	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3791/N3865	N3791/N3865	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3792/N3866	N3792/N3866	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3795/N3867	N3795/N3867	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3796/N3868	N3796/N3868	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3799/N3869	N3799/N3869	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3800/N3870	N3800/N3870	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3798/N3871	N3798/N3871	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3872/N3795	N3872/N3795	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3873/N3796	N3873/N3796	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3874/N3799	N3874/N3799	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3875/N3800	N3875/N3800	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3876/N3798	N3876/N3798	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3691/N3743	N3691/N3743	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3692/N3744	N3692/N3744	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3695/N3747	N3695/N3747	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3696/N3748	N3696/N3748	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3694/N3746	N3694/N3746	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3669/N3691	N3669/N3691	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3670/N3692	N3670/N3692	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3672/N3695	N3672/N3695	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3673/N3696	N3673/N3696	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3671/N3694	N3671/N3694	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3677/N3702	N3677/N3702	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3678/N3703	N3678/N3703	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3679/N3704	N3679/N3704	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3676/N3700	N3676/N3700	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3675/N3699	N3675/N3699	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3702/N3754	N3702/N3754	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3703/N3755	N3703/N3755	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3704/N3756	N3704/N3756	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3700/N3752	N3700/N3752	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3699/N3751	N3699/N3751	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3877/N3806	N3877/N3806	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3878/N3807	N3878/N3807	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3879/N3808	N3879/N3808	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3880/N3804	N3880/N3804	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3881/N3803	N3881/N3803	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3806/N3882	N3806/N3882	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3808/N3883	N3808/N3883	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3807/N3884	N3807/N3884	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3803/N3885	N3803/N3885	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3804/N3886	N3804/N3886	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3642/N3708	N3642/N3708	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3643/N3709	N3643/N3709	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3644/N3711	N3644/N3711	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3645/N3712	N3645/N3712	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3646/N3713	N3646/N3713	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3647/N3715	N3647/N3715	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3708/N3760	N3708/N3760	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3709/N3761	N3709/N3761	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3711/N3763	N3711/N3763	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3712/N3764	N3712/N3764	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3713/N3765	N3713/N3765	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3715/N3767	N3715/N3767	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3887/N3812	N3887/N3812	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3888/N3813	N3888/N3813	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3889/N3815	N3889/N3815	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3890/N3816	N3890/N3816	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3891/N3817	N3891/N3817	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3892/N3819	N3892/N3819	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3812/N3893	N3812/N3893	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3813/N3894	N3813/N3894	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3815/N3895	N3815/N3895	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3816/N3896	N3816/N3896	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3817/N3897	N3817/N3897	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3819/N3898	N3819/N3898	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3821/N3899	N3821/N3899	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3823/N3900	N3823/N3900	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3825/N3901	N3825/N3901	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3827/N3902	N3827/N3902	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3824/N3903	N3824/N3903	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3904/N3821	N3904/N3821	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3905/N3823	N3905/N3823	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3906/N3825	N3906/N3825	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3907/N3827	N3907/N3827	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3908/N3824	N3908/N3824	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3717/N3769	N3717/N3769	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3719/N3771	N3719/N3771	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3721/N3773	N3721/N3773	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3723/N3775	N3723/N3775	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3720/N3772	N3720/N3772	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3649/N3717	N3649/N3717	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3650/N3719	N3650/N3719	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3652/N3721	N3652/N3721	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3653/N3723	N3653/N3723	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3651/N3720	N3651/N3720	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3657/N3728	N3657/N3728	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3658/N3729	N3658/N3729	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3659/N3731	N3659/N3731	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3656/N3727	N3656/N3727	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3655/N3725	N3655/N3725	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3728/N3780	N3728/N3780	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3729/N3781	N3729/N3781	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3731/N3783	N3731/N3783	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3727/N3779	N3727/N3779	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3725/N3777	N3725/N3777	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3909/N3832	N3909/N3832	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3910/N3833	N3910/N3833	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3911/N3835	N3911/N3835	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3912/N3831	N3912/N3831	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3913/N3829	N3913/N3829	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3832/N3914	N3832/N3914	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3835/N3915	N3835/N3915	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3833/N3916	N3833/N3916	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3829/N3917	N3829/N3917	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3831/N3918	N3831/N3918	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3734/N3919	N3734/N3919	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3735/N3920	N3735/N3920	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3736/N3921	N3736/N3921	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3738/N3922	N3738/N3922	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3739/N3923	N3739/N3923	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3740/N3924	N3740/N3924	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3743/N3925	N3743/N3925	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3744/N3926	N3744/N3926	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3747/N3927	N3747/N3927	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3748/N3928	N3748/N3928	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3746/N3929	N3746/N3929	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3754/N3930	N3754/N3930	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3755/N3931	N3755/N3931	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3756/N3932	N3756/N3932	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3752/N3933	N3752/N3933	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3751/N3934	N3751/N3934	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3760/N3935	N3760/N3935	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3761/N3936	N3761/N3936	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3763/N3937	N3763/N3937	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3764/N3938	N3764/N3938	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3765/N3939	N3765/N3939	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3767/N3940	N3767/N3940	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3769/N3941	N3769/N3941	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3771/N3942	N3771/N3942	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3773/N3943	N3773/N3943	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3775/N3944	N3775/N3944	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3772/N3945	N3772/N3945	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3780/N3946	N3780/N3946	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3781/N3947	N3781/N3947	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3783/N3948	N3783/N3948	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3779/N3949	N3779/N3949	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3777/N3950	N3777/N3950	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3951/N3919	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3919/N3920	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3920/N3921	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3921/N3952	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3952/N3922	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3922/N3923	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3923/N3924	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3924/N3953	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3953/N3837	N3951/N3837	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N3837/N3925	N3837/N3844	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3925/N3926	N3837/N3844	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3926/N3954	N3837/N3844	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3954/N3929	N3837/N3844	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3929/N3927	N3837/N3844	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3927/N3928	N3837/N3844	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3928/N3955	N3837/N3844	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N3955/N3844	N3837/N3844	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N3844/N3934	N3844/N3853	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3934/N3933	N3844/N3853	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3933/N3956	N3844/N3853	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3956/N3930	N3844/N3853	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N3930/N3931	N3844/N3853	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3931/N3932	N3844/N3853	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3932/N3957	N3844/N3853	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3957/N3853	N3844/N3853	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3958/N3935	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3935/N3936	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3936/N3959	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3959/N3937	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3937/N3938	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3938/N3939	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3939/N3960	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3960/N3940	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3940/N3838	N3958/N3838	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N3838/N3941	N3838/N3845	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3941/N3961	N3838/N3845	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3961/N3942	N3838/N3845	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3942/N3945	N3838/N3845	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N3945/N3943	N3838/N3845	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3943/N3962	N3838/N3845	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3962/N3944	N3838/N3845	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3944/N3845	N3838/N3845	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3845/N3950	N3845/N3854	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3950/N3963	N3845/N3854	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3963/N3949	N3845/N3854	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3949/N3946	N3845/N3854	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3946/N3947	N3845/N3854	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3947/N3964	N3845/N3854	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3964/N3948	N3845/N3854	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3948/N3854	N3845/N3854	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3965/N3855	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3855/N3856	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3856/N3857	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3857/N3966	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3966/N3858	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3858/N3859	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3859/N3860	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3860/N3967	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N3967/N3840	N3965/N3840	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N3840/N3872	N3840/N3843	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3872/N3873	N3840/N3843	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3873/N3968	N3840/N3843	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3968/N3876	N3840/N3843	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3876/N3874	N3840/N3843	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3874/N3875	N3840/N3843	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N3875/N3969	N3840/N3843	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N3969/N3843	N3840/N3843	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N3843/N3881	N3843/N3850	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N3881/N3880	N3843/N3850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3880/N3970	N3843/N3850	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3970/N3877	N3843/N3850	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3877/N3878	N3843/N3850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3878/N3879	N3843/N3850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3879/N3971	N3843/N3850	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N3971/N3850	N3843/N3850	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N3972/N3887	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3887/N3888	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3888/N3973	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3973/N3889	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3889/N3890	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3890/N3891	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3891/N3974	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3974/N3892	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3892/N3839	N3972/N3839	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N3839/N3904	N3839/N3846	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3904/N3975	N3839/N3846	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3975/N3905	N3839/N3846	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3905/N3908	N3839/N3846	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3908/N3906	N3839/N3846	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3906/N3976	N3839/N3846	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3976/N3907	N3839/N3846	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3907/N3846	N3839/N3846	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N3846/N3913	N3846/N3849	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N3913/N3977	N3846/N3849	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3977/N3912	N3846/N3849	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3912/N3909	N3846/N3849	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3909/N3910	N3846/N3849	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3910/N3978	N3846/N3849	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3978/N3911	N3846/N3849	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N3911/N3849	N3846/N3849	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N3979/N3861	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3861/N3862	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3862/N3863	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3863/N3980	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3980/N3864	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3864/N3865	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3865/N3866	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3866/N3981	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N3981/N3842	N3979/N3842	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N3842/N3867	N3842/N3847	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3867/N3868	N3842/N3847	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3868/N3982	N3842/N3847	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3982/N3871	N3842/N3847	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3871/N3869	N3842/N3847	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3869/N3870	N3842/N3847	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3870/N3983	N3842/N3847	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N3983/N3847	N3842/N3847	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N3847/N3885	N3847/N3851	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N3885/N3886	N3847/N3851	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3886/N3984	N3847/N3851	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N3984/N3882	N3847/N3851	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N3882/N3884	N3847/N3851	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3884/N3883	N3847/N3851	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3883/N3985	N3847/N3851	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N3985/N3851	N3847/N3851	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N3986/N3893	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3893/N3894	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3894/N3987	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3987/N3895	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3895/N3896	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3896/N3897	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3897/N3988	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3988/N3898	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3898/N3841	N3986/N3841	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N3841/N3899	N3841/N3848	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3899/N3989	N3841/N3848	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3989/N3900	N3841/N3848	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3900/N3903	N3841/N3848	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3903/N3901	N3841/N3848	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3901/N3990	N3841/N3848	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3990/N3902	N3841/N3848	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3902/N3848	N3841/N3848	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N3848/N3917	N3848/N3852	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N3917/N3991	N3848/N3852	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3991/N3918	N3848/N3852	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3918/N3914	N3848/N3852	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N3914/N3916	N3848/N3852	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3916/N3992	N3848/N3852	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N3992/N3915	N3848/N3852	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N3915/N3852	N3848/N3852	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N3776/N3845	N3776/N3845	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3750/N3844	N3750/N3844	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N3993/N3994	N3993/N4000	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N3994/N3995	N3993/N4000	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3995/N3996	N3993/N4000	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3996/N3997	N3993/N4000	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3997/N3998	N3993/N4000	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3998/N3999	N3993/N4000	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N3999/N4000	N3993/N4000	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N4000/N4001	N4000/N4006	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4001/N4002	N4000/N4006	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4002/N4003	N4000/N4006	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4003/N4004	N4000/N4006	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4004/N4005	N4000/N4006	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4005/N4006	N4000/N4006	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N4006/N4007	N4006/N4012	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4007/N4008	N4006/N4012	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4008/N4009	N4006/N4012	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4009/N4010	N4006/N4012	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4010/N4011	N4006/N4012	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4011/N4012	N4006/N4012	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N4013/N4014	N4013/N4020	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4014/N4015	N4013/N4020	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4015/N4016	N4013/N4020	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4016/N4017	N4013/N4020	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4017/N4018	N4013/N4020	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4018/N4019	N4013/N4020	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4019/N4020	N4013/N4020	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N4020/N4021	N4020/N4026	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4021/N4022	N4020/N4026	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4022/N4023	N4020/N4026	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4023/N4024	N4020/N4026	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4024/N4025	N4020/N4026	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4025/N4026	N4020/N4026	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N4026/N4027	N4026/N4032	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4027/N4028	N4026/N4032	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4028/N4029	N4026/N4032	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4029/N4030	N4026/N4032	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4030/N4031	N4026/N4032	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4031/N4032	N4026/N4032	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N4033/N4034	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4034/N4035	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4035/N4036	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4036/N4037	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4037/N4038	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4038/N4039	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4039/N4040	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4040/N4041	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N4041/N4042	N4033/N4042	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N4042/N4043	N4042/N4050	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4043/N4044	N4042/N4050	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4044/N4045	N4042/N4050	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4045/N4046	N4042/N4050	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4046/N4047	N4042/N4050	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4047/N4048	N4042/N4050	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4048/N4049	N4042/N4050	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4049/N4050	N4042/N4050	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N4050/N4051	N4050/N4058	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4051/N4052	N4050/N4058	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4052/N4053	N4050/N4058	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4053/N4054	N4050/N4058	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N4054/N4055	N4050/N4058	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4055/N4056	N4050/N4058	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4056/N4057	N4050/N4058	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4057/N4058	N4050/N4058	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4059/N4060	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4060/N4061	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4061/N4062	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4062/N4063	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4063/N4064	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4064/N4065	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4065/N4066	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4066/N4067	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4067/N4068	N4059/N4068	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4068/N4069	N4068/N4076	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4069/N4070	N4068/N4076	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4070/N4071	N4068/N4076	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4071/N4072	N4068/N4076	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4072/N4073	N4068/N4076	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4073/N4074	N4068/N4076	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4074/N4075	N4068/N4076	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4075/N4076	N4068/N4076	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4076/N4077	N4076/N4084	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4077/N4078	N4076/N4084	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4078/N4079	N4076/N4084	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4079/N4080	N4076/N4084	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4080/N4081	N4076/N4084	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4081/N4082	N4076/N4084	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4082/N4083	N4076/N4084	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4083/N4084	N4076/N4084	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4085/N4086	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4086/N4087	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4087/N4088	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4088/N4089	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N4089/N4090	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N4090/N4091	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4091/N4092	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4092/N4093	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4093/N4094	N4085/N4094	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N4094/N4095	N4094/N4102	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4095/N4096	N4094/N4102	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4096/N4097	N4094/N4102	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4097/N4098	N4094/N4102	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4098/N4099	N4094/N4102	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4099/N4100	N4094/N4102	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4100/N4101	N4094/N4102	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4101/N4102	N4094/N4102	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N4102/N4103	N4102/N4110	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4103/N4104	N4102/N4110	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4104/N4105	N4102/N4110	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4105/N4106	N4102/N4110	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N4106/N4107	N4102/N4110	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4107/N4108	N4102/N4110	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4108/N4109	N4102/N4110	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4109/N4110	N4102/N4110	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4111/N4112	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4112/N4113	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4113/N4114	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4114/N4115	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4115/N4116	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4116/N4117	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4117/N4118	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N4118/N4119	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N4119/N4120	N4111/N4120	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4120/N4121	N4120/N4128	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4121/N4122	N4120/N4128	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4122/N4123	N4120/N4128	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4123/N4124	N4120/N4128	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4124/N4125	N4120/N4128	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4125/N4126	N4120/N4128	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4126/N4127	N4120/N4128	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4127/N4128	N4120/N4128	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4128/N4129	N4128/N4136	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4129/N4130	N4128/N4136	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4130/N4131	N4128/N4136	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4131/N4132	N4128/N4136	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4132/N4133	N4128/N4136	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4133/N4134	N4128/N4136	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4134/N4135	N4128/N4136	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4135/N4136	N4128/N4136	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4137/N4138	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4138/N4139	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4139/N4140	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4140/N4141	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4141/N4142	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4142/N4143	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4143/N4144	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4144/N4145	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4145/N4146	N4137/N4146	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N4146/N4147	N4146/N4154	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4147/N4148	N4146/N4154	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4148/N4149	N4146/N4154	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4149/N4150	N4146/N4154	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4150/N4151	N4146/N4154	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4151/N4152	N4146/N4154	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4152/N4153	N4146/N4154	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4153/N4154	N4146/N4154	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N4154/N4155	N4154/N4162	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4155/N4156	N4154/N4162	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4156/N4157	N4154/N4162	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4157/N4158	N4154/N4162	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4158/N4159	N4154/N4162	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4159/N4160	N4154/N4162	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4160/N4161	N4154/N4162	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4161/N4162	N4154/N4162	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N4163/N4164	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4164/N4165	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4165/N4166	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4166/N4167	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4167/N4168	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4168/N4169	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4169/N4170	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4170/N4171	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4171/N4172	N4163/N4172	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N4172/N4173	N4172/N4180	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4173/N4174	N4172/N4180	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4174/N4175	N4172/N4180	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4175/N4176	N4172/N4180	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4176/N4177	N4172/N4180	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4177/N4178	N4172/N4180	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4178/N4179	N4172/N4180	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4179/N4180	N4172/N4180	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4180/N4181	N4180/N4188	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4181/N4182	N4180/N4188	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4182/N4183	N4180/N4188	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4183/N4184	N4180/N4188	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4184/N4185	N4180/N4188	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4185/N4186	N4180/N4188	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4186/N4187	N4180/N4188	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4187/N4188	N4180/N4188	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4020/N4000	N4020/N4000	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4020/N4042	N4020/N4042	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4042/N4068	N4042/N4068	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4000/N4068	N4000/N4068	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4042/N4094	N4042/N4094	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4094/N4120	N4094/N4120	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4068/N4120	N4068/N4120	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4189/N4190	N4189/N4190	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4190/N4191	N4190/N4191	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4192/N4191	N4192/N4191	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4189/N4192	N4189/N4192	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4191/N4172	N4191/N4172	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4146/N4172	N4146/N4172	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4192/N4146	N4192/N4146	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4172/N4193	N4172/N4193	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4194/N4193	N4194/N4193	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4146/N4194	N4146/N4194	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4026/N4006	N4026/N4006	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4006/N4076	N4006/N4076	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4026/N4050	N4026/N4050	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4050/N4076	N4050/N4076	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4050/N4102	N4050/N4102	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4076/N4128	N4076/N4128	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4102/N4128	N4102/N4128	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4196/N4195	N4196/N4195	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4197/N4198	N4197/N4198	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4195/N4198	N4195/N4198	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4198/N4180	N4198/N4180	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4154/N4180	N4154/N4180	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4195/N4154	N4195/N4154	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4154/N4199	N4154/N4199	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4180/N4200	N4180/N4200	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4199/N4200	N4199/N4200	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4196/N4197	N4196/N4197	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4032/N4012	N4032/N4012	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4058/N4084	N4058/N4084	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4110/N4136	N4110/N4136	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4202/N4201	N4202/N4201	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4162/N4188	N4162/N4188	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4203/N4204	N4203/N4204	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4205/N4206	N4205/N4206	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4000/N3668	N4000/N3668	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4068/N3690	N4068/N3690	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4120/N3742	N4120/N3742	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4190/N3837	N4190/N3837	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4191/N3840	N4191/N3840	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4172/N3794	N4172/N3794	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4193/N3842	N4193/N3842	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4006/N3674	N4006/N3674	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4076/N3698	N4076/N3698	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4128/N3750	N4128/N3750	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4197/N3844	N4197/N3844	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4198/N3843	N4198/N3843	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4180/N3802	N4180/N3802	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4200/N3847	N4200/N3847	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4012/N3680	N4012/N3680	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4084/N3706	N4084/N3706	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4136/N3758	N4136/N3758	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4206/N3853	N4206/N3853	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4201/N3850	N4201/N3850	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4188/N3810	N4188/N3810	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4204/N3851	N4204/N3851	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4094/N4189	N4094/N4189	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4120/N4190	N4120/N4190	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4014/N4034	N4014/N4034	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4015/N4035	N4015/N4035	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4016/N4036	N4016/N4036	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4017/N4038	N4017/N4038	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4018/N4039	N4018/N4039	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4019/N4040	N4019/N4040	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4034/N4086	N4034/N4086	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4035/N4087	N4035/N4087	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4036/N4088	N4036/N4088	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4038/N4090	N4038/N4090	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4039/N4091	N4039/N4091	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4040/N4092	N4040/N4092	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4207/N4138	N4207/N4138	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4208/N4139	N4208/N4139	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4209/N4140	N4209/N4140	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4210/N4142	N4210/N4142	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4211/N4143	N4211/N4143	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4212/N4144	N4212/N4144	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4138/N4213	N4138/N4213	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4139/N4214	N4139/N4214	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4140/N4215	N4140/N4215	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4142/N4216	N4142/N4216	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4143/N4217	N4143/N4217	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4144/N4218	N4144/N4218	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4147/N4219	N4147/N4219	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4148/N4220	N4148/N4220	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4151/N4221	N4151/N4221	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4152/N4222	N4152/N4222	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4150/N4223	N4150/N4223	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4224/N4147	N4224/N4147	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4225/N4148	N4225/N4148	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4226/N4151	N4226/N4151	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4227/N4152	N4227/N4152	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4228/N4150	N4228/N4150	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4043/N4095	N4043/N4095	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4044/N4096	N4044/N4096	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4047/N4099	N4047/N4099	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4048/N4100	N4048/N4100	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4046/N4098	N4046/N4098	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4021/N4043	N4021/N4043	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4022/N4044	N4022/N4044	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4024/N4047	N4024/N4047	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4025/N4048	N4025/N4048	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4023/N4046	N4023/N4046	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4029/N4054	N4029/N4054	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4030/N4055	N4030/N4055	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4031/N4056	N4031/N4056	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4028/N4052	N4028/N4052	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4027/N4051	N4027/N4051	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4054/N4106	N4054/N4106	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4055/N4107	N4055/N4107	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4056/N4108	N4056/N4108	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4052/N4104	N4052/N4104	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4051/N4103	N4051/N4103	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4229/N4158	N4229/N4158	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4230/N4159	N4230/N4159	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4231/N4160	N4231/N4160	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4232/N4156	N4232/N4156	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4233/N4155	N4233/N4155	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4158/N4234	N4158/N4234	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4160/N4235	N4160/N4235	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4159/N4236	N4159/N4236	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4155/N4237	N4155/N4237	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4156/N4238	N4156/N4238	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N3994/N4060	N3994/N4060	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3995/N4061	N3995/N4061	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3996/N4063	N3996/N4063	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3997/N4064	N3997/N4064	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3998/N4065	N3998/N4065	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N3999/N4067	N3999/N4067	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4060/N4112	N4060/N4112	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4061/N4113	N4061/N4113	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4063/N4115	N4063/N4115	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4064/N4116	N4064/N4116	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4065/N4117	N4065/N4117	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4067/N4119	N4067/N4119	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4239/N4164	N4239/N4164	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4240/N4165	N4240/N4165	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4241/N4167	N4241/N4167	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4242/N4168	N4242/N4168	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4243/N4169	N4243/N4169	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4244/N4171	N4244/N4171	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4164/N4245	N4164/N4245	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4165/N4246	N4165/N4246	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4167/N4247	N4167/N4247	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4168/N4248	N4168/N4248	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4169/N4249	N4169/N4249	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4171/N4250	N4171/N4250	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4173/N4251	N4173/N4251	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4175/N4252	N4175/N4252	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4177/N4253	N4177/N4253	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4179/N4254	N4179/N4254	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4176/N4255	N4176/N4255	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4256/N4173	N4256/N4173	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4257/N4175	N4257/N4175	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4258/N4177	N4258/N4177	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4259/N4179	N4259/N4179	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4260/N4176	N4260/N4176	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4069/N4121	N4069/N4121	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4071/N4123	N4071/N4123	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4073/N4125	N4073/N4125	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4075/N4127	N4075/N4127	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4072/N4124	N4072/N4124	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4001/N4069	N4001/N4069	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4002/N4071	N4002/N4071	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4004/N4073	N4004/N4073	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4005/N4075	N4005/N4075	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4003/N4072	N4003/N4072	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4009/N4080	N4009/N4080	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4010/N4081	N4010/N4081	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4011/N4083	N4011/N4083	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4008/N4079	N4008/N4079	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4007/N4077	N4007/N4077	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4080/N4132	N4080/N4132	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4081/N4133	N4081/N4133	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4083/N4135	N4083/N4135	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4079/N4131	N4079/N4131	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4077/N4129	N4077/N4129	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4261/N4184	N4261/N4184	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4262/N4185	N4262/N4185	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4263/N4187	N4263/N4187	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4264/N4183	N4264/N4183	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4265/N4181	N4265/N4181	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4184/N4266	N4184/N4266	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4187/N4267	N4187/N4267	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4185/N4268	N4185/N4268	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4181/N4269	N4181/N4269	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4183/N4270	N4183/N4270	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4086/N4271	N4086/N4271	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4087/N4272	N4087/N4272	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4088/N4273	N4088/N4273	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4090/N4274	N4090/N4274	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4091/N4275	N4091/N4275	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4092/N4276	N4092/N4276	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4095/N4277	N4095/N4277	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4096/N4278	N4096/N4278	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4099/N4279	N4099/N4279	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4100/N4280	N4100/N4280	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4098/N4281	N4098/N4281	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4106/N4282	N4106/N4282	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4107/N4283	N4107/N4283	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4108/N4284	N4108/N4284	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4104/N4285	N4104/N4285	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4103/N4286	N4103/N4286	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4112/N4287	N4112/N4287	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4113/N4288	N4113/N4288	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4115/N4289	N4115/N4289	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4116/N4290	N4116/N4290	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4117/N4291	N4117/N4291	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4119/N4292	N4119/N4292	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4121/N4293	N4121/N4293	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4123/N4294	N4123/N4294	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4125/N4295	N4125/N4295	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4127/N4296	N4127/N4296	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4124/N4297	N4124/N4297	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4132/N4298	N4132/N4298	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4133/N4299	N4133/N4299	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4135/N4300	N4135/N4300	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4131/N4301	N4131/N4301	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4129/N4302	N4129/N4302	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4303/N4271	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4271/N4272	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4272/N4273	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4273/N4304	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4304/N4274	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4274/N4275	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4275/N4276	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4276/N4305	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4305/N4189	N4303/N4189	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N4189/N4277	N4189/N4196	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4277/N4278	N4189/N4196	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4278/N4306	N4189/N4196	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4306/N4281	N4189/N4196	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4281/N4279	N4189/N4196	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4279/N4280	N4189/N4196	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4280/N4307	N4189/N4196	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4307/N4196	N4189/N4196	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N4196/N4286	N4196/N4205	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4286/N4285	N4196/N4205	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4285/N4308	N4196/N4205	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4308/N4282	N4196/N4205	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N4282/N4283	N4196/N4205	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4283/N4284	N4196/N4205	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4284/N4309	N4196/N4205	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4309/N4205	N4196/N4205	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4310/N4287	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4287/N4288	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4288/N4311	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4311/N4289	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4289/N4290	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4290/N4291	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4291/N4312	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4312/N4292	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4292/N4190	N4310/N4190	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4190/N4293	N4190/N4197	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4293/N4313	N4190/N4197	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4313/N4294	N4190/N4197	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4294/N4297	N4190/N4197	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N4297/N4295	N4190/N4197	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4295/N4314	N4190/N4197	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4314/N4296	N4190/N4197	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4296/N4197	N4190/N4197	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4197/N4302	N4197/N4206	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4302/N4315	N4197/N4206	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4315/N4301	N4197/N4206	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4301/N4298	N4197/N4206	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4298/N4299	N4197/N4206	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4299/N4316	N4197/N4206	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4316/N4300	N4197/N4206	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4300/N4206	N4197/N4206	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4317/N4207	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4207/N4208	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4208/N4209	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4209/N4318	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4318/N4210	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4210/N4211	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4211/N4212	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4212/N4319	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4319/N4192	N4317/N4192	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N4192/N4224	N4192/N4195	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4224/N4225	N4192/N4195	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4225/N4320	N4192/N4195	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4320/N4228	N4192/N4195	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4228/N4226	N4192/N4195	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4226/N4227	N4192/N4195	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4227/N4321	N4192/N4195	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N4321/N4195	N4192/N4195	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N4195/N4233	N4195/N4202	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4233/N4232	N4195/N4202	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4232/N4322	N4195/N4202	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4322/N4229	N4195/N4202	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4229/N4230	N4195/N4202	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4230/N4231	N4195/N4202	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4231/N4323	N4195/N4202	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4323/N4202	N4195/N4202	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4324/N4239	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4239/N4240	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4240/N4325	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4325/N4241	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4241/N4242	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4242/N4243	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4243/N4326	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4326/N4244	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4244/N4191	N4324/N4191	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N4191/N4256	N4191/N4198	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4256/N4327	N4191/N4198	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4327/N4257	N4191/N4198	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4257/N4260	N4191/N4198	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4260/N4258	N4191/N4198	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4258/N4328	N4191/N4198	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4328/N4259	N4191/N4198	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4259/N4198	N4191/N4198	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4198/N4265	N4198/N4201	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4265/N4329	N4198/N4201	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4329/N4264	N4198/N4201	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4264/N4261	N4198/N4201	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4261/N4262	N4198/N4201	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4262/N4330	N4198/N4201	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4330/N4263	N4198/N4201	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4263/N4201	N4198/N4201	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4331/N4213	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4213/N4214	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4214/N4215	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4215/N4332	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4332/N4216	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4216/N4217	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4217/N4218	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4218/N4333	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N4333/N4194	N4331/N4194	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N4194/N4219	N4194/N4199	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4219/N4220	N4194/N4199	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4220/N4334	N4194/N4199	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4334/N4223	N4194/N4199	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4223/N4221	N4194/N4199	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4221/N4222	N4194/N4199	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4222/N4335	N4194/N4199	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N4335/N4199	N4194/N4199	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N4199/N4237	N4199/N4203	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4237/N4238	N4199/N4203	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4238/N4336	N4199/N4203	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4336/N4234	N4199/N4203	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4234/N4236	N4199/N4203	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4236/N4235	N4199/N4203	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4235/N4337	N4199/N4203	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N4337/N4203	N4199/N4203	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N4338/N4245	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4245/N4246	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4246/N4339	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4339/N4247	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4247/N4248	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4248/N4249	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4249/N4340	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4340/N4250	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4250/N4193	N4338/N4193	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N4193/N4251	N4193/N4200	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4251/N4341	N4193/N4200	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4341/N4252	N4193/N4200	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4252/N4255	N4193/N4200	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4255/N4253	N4193/N4200	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4253/N4342	N4193/N4200	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4342/N4254	N4193/N4200	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4254/N4200	N4193/N4200	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N4200/N4269	N4200/N4204	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4269/N4343	N4200/N4204	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4343/N4270	N4200/N4204	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4270/N4266	N4200/N4204	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4266/N4268	N4200/N4204	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4268/N4344	N4200/N4204	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4344/N4267	N4200/N4204	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4267/N4204	N4200/N4204	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N4128/N4197	N4128/N4197	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4102/N4196	N4102/N4196	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4014/N3994	N4014/N3994	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N4014/N3996	N4014/N3996	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3996/N4017	N3996/N4017	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N4017/N3999	N4017/N3999	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3999/N4020	N3999/N4020	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N3662/N3642	N3662/N3642	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N3662/N3644	N3662/N3644	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3644/N3665	N3644/N3665	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N3665/N3647	N3665/N3647	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3647/N3668	N3647/N3668	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N4020/N4002	N4020/N4002	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4002/N4023	N4002/N4023	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4023/N4005	N4023/N4005	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4005/N4026	N4005/N4026	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N4026/N4008	N4026/N4008	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4008/N4029	N4008/N4029	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N4029/N4011	N4029/N4011	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4011/N4032	N4011/N4032	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N3668/N3650	N3668/N3650	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3650/N3671	N3650/N3671	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N3671/N3653	N3671/N3653	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3653/N3674	N3653/N3674	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N3674/N3656	N3674/N3656	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3656/N3677	N3656/N3677	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N3677/N3659	N3677/N3659	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N3659/N3680	N3659/N3680	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N4345/N4346	N4345/N4352	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4346/N4347	N4345/N4352	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4347/N4348	N4345/N4352	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4348/N4349	N4345/N4352	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4349/N4350	N4345/N4352	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4350/N4351	N4345/N4352	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4351/N4352	N4345/N4352	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N4352/N4353	N4352/N4358	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4353/N4354	N4352/N4358	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4354/N4355	N4352/N4358	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4355/N4356	N4352/N4358	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4356/N4357	N4352/N4358	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4357/N4358	N4352/N4358	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N4358/N4359	N4358/N4364	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4359/N4360	N4358/N4364	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4360/N4361	N4358/N4364	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4361/N4362	N4358/N4364	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4362/N4363	N4358/N4364	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4363/N4364	N4358/N4364	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N4365/N4366	N4365/N4372	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4366/N4367	N4365/N4372	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4367/N4368	N4365/N4372	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4368/N4369	N4365/N4372	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4369/N4370	N4365/N4372	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4370/N4371	N4365/N4372	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4371/N4372	N4365/N4372	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N4372/N4373	N4372/N4378	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4373/N4374	N4372/N4378	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4374/N4375	N4372/N4378	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4375/N4376	N4372/N4378	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4376/N4377	N4372/N4378	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4377/N4378	N4372/N4378	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N4378/N4379	N4378/N4384	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4379/N4380	N4378/N4384	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4380/N4381	N4378/N4384	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4381/N4382	N4378/N4384	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4382/N4383	N4378/N4384	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4383/N4384	N4378/N4384	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N4385/N4386	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4386/N4387	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4387/N4388	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4388/N4389	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4389/N4390	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4390/N4391	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4391/N4392	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4392/N4393	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N4393/N4394	N4385/N4394	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N4394/N4395	N4394/N4402	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4395/N4396	N4394/N4402	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4396/N4397	N4394/N4402	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4397/N4398	N4394/N4402	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4398/N4399	N4394/N4402	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4399/N4400	N4394/N4402	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4400/N4401	N4394/N4402	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4401/N4402	N4394/N4402	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N4402/N4403	N4402/N4410	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4403/N4404	N4402/N4410	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4404/N4405	N4402/N4410	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4405/N4406	N4402/N4410	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N4406/N4407	N4402/N4410	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4407/N4408	N4402/N4410	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4408/N4409	N4402/N4410	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4409/N4410	N4402/N4410	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4411/N4412	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4412/N4413	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4413/N4414	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4414/N4415	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4415/N4416	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4416/N4417	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4417/N4418	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4418/N4419	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4419/N4420	N4411/N4420	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4420/N4421	N4420/N4428	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4421/N4422	N4420/N4428	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4422/N4423	N4420/N4428	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4423/N4424	N4420/N4428	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4424/N4425	N4420/N4428	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4425/N4426	N4420/N4428	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4426/N4427	N4420/N4428	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4427/N4428	N4420/N4428	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4428/N4429	N4428/N4436	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4429/N4430	N4428/N4436	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4430/N4431	N4428/N4436	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4431/N4432	N4428/N4436	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4432/N4433	N4428/N4436	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4433/N4434	N4428/N4436	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4434/N4435	N4428/N4436	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4435/N4436	N4428/N4436	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4437/N4438	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4438/N4439	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4439/N4440	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4440/N4441	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N4441/N4442	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N4442/N4443	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4443/N4444	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4444/N4445	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4445/N4446	N4437/N4446	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N4446/N4447	N4446/N4454	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4447/N4448	N4446/N4454	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4448/N4449	N4446/N4454	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4449/N4450	N4446/N4454	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4450/N4451	N4446/N4454	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4451/N4452	N4446/N4454	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4452/N4453	N4446/N4454	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4453/N4454	N4446/N4454	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N4454/N4455	N4454/N4462	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4455/N4456	N4454/N4462	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4456/N4457	N4454/N4462	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4457/N4458	N4454/N4462	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N4458/N4459	N4454/N4462	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4459/N4460	N4454/N4462	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4460/N4461	N4454/N4462	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4461/N4462	N4454/N4462	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4463/N4464	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4464/N4465	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4465/N4466	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4466/N4467	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4467/N4468	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4468/N4469	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4469/N4470	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N4470/N4471	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N4471/N4472	N4463/N4472	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4472/N4473	N4472/N4480	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4473/N4474	N4472/N4480	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4474/N4475	N4472/N4480	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4475/N4476	N4472/N4480	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4476/N4477	N4472/N4480	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4477/N4478	N4472/N4480	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4478/N4479	N4472/N4480	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4479/N4480	N4472/N4480	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4480/N4481	N4480/N4488	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4481/N4482	N4480/N4488	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4482/N4483	N4480/N4488	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4483/N4484	N4480/N4488	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4484/N4485	N4480/N4488	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4485/N4486	N4480/N4488	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4486/N4487	N4480/N4488	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4487/N4488	N4480/N4488	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4489/N4490	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4490/N4491	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4491/N4492	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4492/N4493	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4493/N4494	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4494/N4495	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4495/N4496	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4496/N4497	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4497/N4498	N4489/N4498	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N4498/N4499	N4498/N4506	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4499/N4500	N4498/N4506	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4500/N4501	N4498/N4506	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4501/N4502	N4498/N4506	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4502/N4503	N4498/N4506	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4503/N4504	N4498/N4506	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4504/N4505	N4498/N4506	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4505/N4506	N4498/N4506	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N4506/N4507	N4506/N4514	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4507/N4508	N4506/N4514	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4508/N4509	N4506/N4514	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4509/N4510	N4506/N4514	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4510/N4511	N4506/N4514	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4511/N4512	N4506/N4514	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4512/N4513	N4506/N4514	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4513/N4514	N4506/N4514	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N4515/N4516	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4516/N4517	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4517/N4518	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4518/N4519	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4519/N4520	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4520/N4521	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4521/N4522	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4522/N4523	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4523/N4524	N4515/N4524	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N4524/N4525	N4524/N4532	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4525/N4526	N4524/N4532	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4526/N4527	N4524/N4532	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4527/N4528	N4524/N4532	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4528/N4529	N4524/N4532	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4529/N4530	N4524/N4532	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4530/N4531	N4524/N4532	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4531/N4532	N4524/N4532	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4532/N4533	N4532/N4540	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4533/N4534	N4532/N4540	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4534/N4535	N4532/N4540	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4535/N4536	N4532/N4540	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4536/N4537	N4532/N4540	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4537/N4538	N4532/N4540	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4538/N4539	N4532/N4540	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4539/N4540	N4532/N4540	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4372/N4352	N4372/N4352	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4372/N4394	N4372/N4394	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4394/N4420	N4394/N4420	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4352/N4420	N4352/N4420	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4394/N4446	N4394/N4446	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4446/N4472	N4446/N4472	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4420/N4472	N4420/N4472	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4541/N4542	N4541/N4542	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4542/N4543	N4542/N4543	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4544/N4543	N4544/N4543	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4541/N4544	N4541/N4544	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4543/N4524	N4543/N4524	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4498/N4524	N4498/N4524	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4544/N4498	N4544/N4498	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4524/N4545	N4524/N4545	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4546/N4545	N4546/N4545	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4498/N4546	N4498/N4546	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4378/N4358	N4378/N4358	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4358/N4428	N4358/N4428	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4378/N4402	N4378/N4402	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4402/N4428	N4402/N4428	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4402/N4454	N4402/N4454	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4428/N4480	N4428/N4480	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4454/N4480	N4454/N4480	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4548/N4547	N4548/N4547	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4549/N4550	N4549/N4550	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4547/N4550	N4547/N4550	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4550/N4532	N4550/N4532	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4506/N4532	N4506/N4532	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4547/N4506	N4547/N4506	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4506/N4551	N4506/N4551	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4532/N4552	N4532/N4552	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4551/N4552	N4551/N4552	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4548/N4549	N4548/N4549	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4384/N4364	N4384/N4364	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4410/N4436	N4410/N4436	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4462/N4488	N4462/N4488	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4554/N4553	N4554/N4553	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4514/N4540	N4514/N4540	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4555/N4556	N4555/N4556	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4557/N4558	N4557/N4558	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4352/N4020	N4352/N4020	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4420/N4042	N4420/N4042	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4472/N4094	N4472/N4094	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4542/N4189	N4542/N4189	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4543/N4192	N4543/N4192	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4524/N4146	N4524/N4146	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4545/N4194	N4545/N4194	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4358/N4026	N4358/N4026	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4428/N4050	N4428/N4050	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4480/N4102	N4480/N4102	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4549/N4196	N4549/N4196	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4550/N4195	N4550/N4195	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4532/N4154	N4532/N4154	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4552/N4199	N4552/N4199	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4364/N4032	N4364/N4032	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4436/N4058	N4436/N4058	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4488/N4110	N4488/N4110	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4558/N4205	N4558/N4205	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4553/N4202	N4553/N4202	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4540/N4162	N4540/N4162	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4556/N4203	N4556/N4203	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4446/N4541	N4446/N4541	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4472/N4542	N4472/N4542	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4366/N4386	N4366/N4386	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4367/N4387	N4367/N4387	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4368/N4388	N4368/N4388	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4369/N4390	N4369/N4390	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4370/N4391	N4370/N4391	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4371/N4392	N4371/N4392	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4386/N4438	N4386/N4438	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4387/N4439	N4387/N4439	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4388/N4440	N4388/N4440	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4390/N4442	N4390/N4442	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4391/N4443	N4391/N4443	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4392/N4444	N4392/N4444	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4559/N4490	N4559/N4490	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4560/N4491	N4560/N4491	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4561/N4492	N4561/N4492	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4562/N4494	N4562/N4494	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4563/N4495	N4563/N4495	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4564/N4496	N4564/N4496	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4490/N4565	N4490/N4565	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4491/N4566	N4491/N4566	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4492/N4567	N4492/N4567	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4494/N4568	N4494/N4568	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4495/N4569	N4495/N4569	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4496/N4570	N4496/N4570	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4499/N4571	N4499/N4571	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4500/N4572	N4500/N4572	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4503/N4573	N4503/N4573	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4504/N4574	N4504/N4574	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4502/N4575	N4502/N4575	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4576/N4499	N4576/N4499	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4577/N4500	N4577/N4500	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4578/N4503	N4578/N4503	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4579/N4504	N4579/N4504	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4580/N4502	N4580/N4502	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4395/N4447	N4395/N4447	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4396/N4448	N4396/N4448	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4399/N4451	N4399/N4451	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4400/N4452	N4400/N4452	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4398/N4450	N4398/N4450	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4373/N4395	N4373/N4395	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4374/N4396	N4374/N4396	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4376/N4399	N4376/N4399	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4377/N4400	N4377/N4400	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4375/N4398	N4375/N4398	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4381/N4406	N4381/N4406	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4382/N4407	N4382/N4407	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4383/N4408	N4383/N4408	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4380/N4404	N4380/N4404	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4379/N4403	N4379/N4403	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4406/N4458	N4406/N4458	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4407/N4459	N4407/N4459	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4408/N4460	N4408/N4460	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4404/N4456	N4404/N4456	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4403/N4455	N4403/N4455	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4581/N4510	N4581/N4510	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4582/N4511	N4582/N4511	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4583/N4512	N4583/N4512	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4584/N4508	N4584/N4508	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4585/N4507	N4585/N4507	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4510/N4586	N4510/N4586	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4512/N4587	N4512/N4587	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4511/N4588	N4511/N4588	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4507/N4589	N4507/N4589	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4508/N4590	N4508/N4590	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4346/N4412	N4346/N4412	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4347/N4413	N4347/N4413	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4348/N4415	N4348/N4415	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4349/N4416	N4349/N4416	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4350/N4417	N4350/N4417	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4351/N4419	N4351/N4419	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4412/N4464	N4412/N4464	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4413/N4465	N4413/N4465	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4415/N4467	N4415/N4467	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4416/N4468	N4416/N4468	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4417/N4469	N4417/N4469	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4419/N4471	N4419/N4471	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4591/N4516	N4591/N4516	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4592/N4517	N4592/N4517	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4593/N4519	N4593/N4519	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4594/N4520	N4594/N4520	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4595/N4521	N4595/N4521	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4596/N4523	N4596/N4523	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4516/N4597	N4516/N4597	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4517/N4598	N4517/N4598	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4519/N4599	N4519/N4599	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4520/N4600	N4520/N4600	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4521/N4601	N4521/N4601	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4523/N4602	N4523/N4602	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4525/N4603	N4525/N4603	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4527/N4604	N4527/N4604	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4529/N4605	N4529/N4605	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4531/N4606	N4531/N4606	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4528/N4607	N4528/N4607	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4608/N4525	N4608/N4525	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4609/N4527	N4609/N4527	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4610/N4529	N4610/N4529	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4611/N4531	N4611/N4531	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4612/N4528	N4612/N4528	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4421/N4473	N4421/N4473	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4423/N4475	N4423/N4475	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4425/N4477	N4425/N4477	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4427/N4479	N4427/N4479	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4424/N4476	N4424/N4476	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4353/N4421	N4353/N4421	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4354/N4423	N4354/N4423	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4356/N4425	N4356/N4425	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4357/N4427	N4357/N4427	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4355/N4424	N4355/N4424	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4361/N4432	N4361/N4432	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4362/N4433	N4362/N4433	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4363/N4435	N4363/N4435	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4360/N4431	N4360/N4431	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4359/N4429	N4359/N4429	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4432/N4484	N4432/N4484	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4433/N4485	N4433/N4485	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4435/N4487	N4435/N4487	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4431/N4483	N4431/N4483	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4429/N4481	N4429/N4481	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4613/N4536	N4613/N4536	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4614/N4537	N4614/N4537	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4615/N4539	N4615/N4539	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4616/N4535	N4616/N4535	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4617/N4533	N4617/N4533	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4536/N4618	N4536/N4618	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4539/N4619	N4539/N4619	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4537/N4620	N4537/N4620	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4533/N4621	N4533/N4621	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4535/N4622	N4535/N4622	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4438/N4623	N4438/N4623	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4439/N4624	N4439/N4624	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4440/N4625	N4440/N4625	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4442/N4626	N4442/N4626	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4443/N4627	N4443/N4627	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4444/N4628	N4444/N4628	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4447/N4629	N4447/N4629	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4448/N4630	N4448/N4630	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4451/N4631	N4451/N4631	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4452/N4632	N4452/N4632	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4450/N4633	N4450/N4633	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4458/N4634	N4458/N4634	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4459/N4635	N4459/N4635	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4460/N4636	N4460/N4636	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4456/N4637	N4456/N4637	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4455/N4638	N4455/N4638	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4464/N4639	N4464/N4639	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4465/N4640	N4465/N4640	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4467/N4641	N4467/N4641	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4468/N4642	N4468/N4642	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4469/N4643	N4469/N4643	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4471/N4644	N4471/N4644	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4473/N4645	N4473/N4645	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4475/N4646	N4475/N4646	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4477/N4647	N4477/N4647	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4479/N4648	N4479/N4648	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4476/N4649	N4476/N4649	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4484/N4650	N4484/N4650	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4485/N4651	N4485/N4651	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4487/N4652	N4487/N4652	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4483/N4653	N4483/N4653	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4481/N4654	N4481/N4654	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4655/N4623	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4623/N4624	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4624/N4625	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4625/N4656	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4656/N4626	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4626/N4627	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4627/N4628	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4628/N4657	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4657/N4541	N4655/N4541	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N4541/N4629	N4541/N4548	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4629/N4630	N4541/N4548	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4630/N4658	N4541/N4548	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4658/N4633	N4541/N4548	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4633/N4631	N4541/N4548	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4631/N4632	N4541/N4548	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4632/N4659	N4541/N4548	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4659/N4548	N4541/N4548	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N4548/N4638	N4548/N4557	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4638/N4637	N4548/N4557	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4637/N4660	N4548/N4557	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4660/N4634	N4548/N4557	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N4634/N4635	N4548/N4557	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4635/N4636	N4548/N4557	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4636/N4661	N4548/N4557	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4661/N4557	N4548/N4557	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4662/N4639	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4639/N4640	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4640/N4663	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4663/N4641	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4641/N4642	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4642/N4643	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4643/N4664	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4664/N4644	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4644/N4542	N4662/N4542	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4542/N4645	N4542/N4549	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4645/N4665	N4542/N4549	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4665/N4646	N4542/N4549	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4646/N4649	N4542/N4549	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N4649/N4647	N4542/N4549	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4647/N4666	N4542/N4549	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4666/N4648	N4542/N4549	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4648/N4549	N4542/N4549	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4549/N4654	N4549/N4558	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4654/N4667	N4549/N4558	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4667/N4653	N4549/N4558	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4653/N4650	N4549/N4558	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4650/N4651	N4549/N4558	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4651/N4668	N4549/N4558	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4668/N4652	N4549/N4558	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4652/N4558	N4549/N4558	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4669/N4559	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4559/N4560	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4560/N4561	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4561/N4670	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4670/N4562	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4562/N4563	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4563/N4564	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4564/N4671	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4671/N4544	N4669/N4544	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N4544/N4576	N4544/N4547	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4576/N4577	N4544/N4547	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4577/N4672	N4544/N4547	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4672/N4580	N4544/N4547	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4580/N4578	N4544/N4547	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4578/N4579	N4544/N4547	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4579/N4673	N4544/N4547	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N4673/N4547	N4544/N4547	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N4547/N4585	N4547/N4554	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4585/N4584	N4547/N4554	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4584/N4674	N4547/N4554	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4674/N4581	N4547/N4554	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4581/N4582	N4547/N4554	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4582/N4583	N4547/N4554	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4583/N4675	N4547/N4554	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4675/N4554	N4547/N4554	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4676/N4591	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4591/N4592	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4592/N4677	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4677/N4593	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4593/N4594	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4594/N4595	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4595/N4678	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4678/N4596	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4596/N4543	N4676/N4543	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N4543/N4608	N4543/N4550	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4608/N4679	N4543/N4550	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4679/N4609	N4543/N4550	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4609/N4612	N4543/N4550	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4612/N4610	N4543/N4550	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4610/N4680	N4543/N4550	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4680/N4611	N4543/N4550	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4611/N4550	N4543/N4550	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4550/N4617	N4550/N4553	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4617/N4681	N4550/N4553	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4681/N4616	N4550/N4553	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4616/N4613	N4550/N4553	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4613/N4614	N4550/N4553	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4614/N4682	N4550/N4553	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4682/N4615	N4550/N4553	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4615/N4553	N4550/N4553	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4683/N4565	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4565/N4566	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4566/N4567	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4567/N4684	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4684/N4568	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4568/N4569	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4569/N4570	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4570/N4685	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N4685/N4546	N4683/N4546	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N4546/N4571	N4546/N4551	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4571/N4572	N4546/N4551	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4572/N4686	N4546/N4551	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4686/N4575	N4546/N4551	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4575/N4573	N4546/N4551	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4573/N4574	N4546/N4551	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4574/N4687	N4546/N4551	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N4687/N4551	N4546/N4551	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N4551/N4589	N4551/N4555	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4589/N4590	N4551/N4555	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4590/N4688	N4551/N4555	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4688/N4586	N4551/N4555	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4586/N4588	N4551/N4555	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4588/N4587	N4551/N4555	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4587/N4689	N4551/N4555	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N4689/N4555	N4551/N4555	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N4690/N4597	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4597/N4598	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4598/N4691	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4691/N4599	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4599/N4600	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4600/N4601	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4601/N4692	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4692/N4602	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4602/N4545	N4690/N4545	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N4545/N4603	N4545/N4552	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4603/N4693	N4545/N4552	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4693/N4604	N4545/N4552	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4604/N4607	N4545/N4552	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4607/N4605	N4545/N4552	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4605/N4694	N4545/N4552	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4694/N4606	N4545/N4552	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4606/N4552	N4545/N4552	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N4552/N4621	N4552/N4556	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4621/N4695	N4552/N4556	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4695/N4622	N4552/N4556	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4622/N4618	N4552/N4556	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4618/N4620	N4552/N4556	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4620/N4696	N4552/N4556	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4696/N4619	N4552/N4556	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4619/N4556	N4552/N4556	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N4480/N4549	N4480/N4549	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4454/N4548	N4454/N4548	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4697/N4698	N4697/N4704	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4698/N4699	N4697/N4704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4699/N4700	N4697/N4704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4700/N4701	N4697/N4704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4701/N4702	N4697/N4704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4702/N4703	N4697/N4704	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4703/N4704	N4697/N4704	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N4704/N4705	N4704/N4710	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4705/N4706	N4704/N4710	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4706/N4707	N4704/N4710	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4707/N4708	N4704/N4710	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4708/N4709	N4704/N4710	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4709/N4710	N4704/N4710	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N4710/N4711	N4710/N4716	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4711/N4712	N4710/N4716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4712/N4713	N4710/N4716	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4713/N4714	N4710/N4716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4714/N4715	N4710/N4716	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4715/N4716	N4710/N4716	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N4717/N4718	N4717/N4724	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4718/N4719	N4717/N4724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4719/N4720	N4717/N4724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4720/N4721	N4717/N4724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4721/N4722	N4717/N4724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4722/N4723	N4717/N4724	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4723/N4724	N4717/N4724	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.98	-	-
		N4724/N4725	N4724/N4730	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4725/N4726	N4724/N4730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4726/N4727	N4724/N4730	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4727/N4728	N4724/N4730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4728/N4729	N4724/N4730	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4729/N4730	N4724/N4730	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.98	-	-
		N4730/N4731	N4730/N4736	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4731/N4732	N4730/N4736	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4732/N4733	N4730/N4736	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4733/N4734	N4730/N4736	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4734/N4735	N4730/N4736	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4735/N4736	N4730/N4736	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.97	-	-
		N4737/N4738	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4738/N4739	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4739/N4740	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4740/N4741	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4741/N4742	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4742/N4743	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4743/N4744	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4744/N4745	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.14	-	-
		N4745/N4746	N4737/N4746	G 100x50x25x130x2.0 (G)	-	0.070	-	7.20	7.15	-	-
		N4746/N4747	N4746/N4754	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4747/N4748	N4746/N4754	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4748/N4749	N4746/N4754	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4749/N4750	N4746/N4754	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4750/N4751	N4746/N4754	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4751/N4752	N4746/N4754	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4752/N4753	N4746/N4754	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4753/N4754	N4746/N4754	G 100x50x25x130x2.0 (G)	-	0.070	-	6.35	6.31	-	-
		N4754/N4755	N4754/N4762	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4755/N4756	N4754/N4762	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4756/N4757	N4754/N4762	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4757/N4758	N4754/N4762	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N4758/N4759	N4754/N4762	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4759/N4760	N4754/N4762	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4760/N4761	N4754/N4762	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4761/N4762	N4754/N4762	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4763/N4764	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4764/N4765	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4765/N4766	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4766/N4767	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4767/N4768	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4768/N4769	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4769/N4770	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4770/N4771	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4771/N4772	N4763/N4772	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4772/N4773	N4772/N4780	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4773/N4774	N4772/N4780	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4774/N4775	N4772/N4780	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4775/N4776	N4772/N4780	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4776/N4777	N4772/N4780	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4777/N4778	N4772/N4780	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4778/N4779	N4772/N4780	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4779/N4780	N4772/N4780	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4780/N4781	N4780/N4788	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4781/N4782	N4780/N4788	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4782/N4783	N4780/N4788	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4783/N4784	N4780/N4788	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4784/N4785	N4780/N4788	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4785/N4786	N4780/N4788	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4786/N4787	N4780/N4788	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4787/N4788	N4780/N4788	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4789/N4790	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4790/N4791	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4791/N4792	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4792/N4793	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N4793/N4794	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N4794/N4795	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4795/N4796	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4796/N4797	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4797/N4798	N4789/N4798	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N4798/N4799	N4798/N4806	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4799/N4800	N4798/N4806	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4800/N4801	N4798/N4806	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4801/N4802	N4798/N4806	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4802/N4803	N4798/N4806	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4803/N4804	N4798/N4806	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4804/N4805	N4798/N4806	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4805/N4806	N4798/N4806	G 100x50x25x130x2.0 (G)	-	0.070	-	6.34	6.30	-	-
		N4806/N4807	N4806/N4814	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4807/N4808	N4806/N4814	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4808/N4809	N4806/N4814	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4809/N4810	N4806/N4814	G 100x50x25x130x2.0 (G)	-	0.070	-	6.39	6.43	-	-
		N4810/N4811	N4806/N4814	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4811/N4812	N4806/N4814	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4812/N4813	N4806/N4814	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4813/N4814	N4806/N4814	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N4815/N4816	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4816/N4817	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4817/N4818	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4818/N4819	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4819/N4820	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4820/N4821	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4821/N4822	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N4822/N4823	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N4823/N4824	N4815/N4824	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4824/N4825	N4824/N4832	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4825/N4826	N4824/N4832	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4826/N4827	N4824/N4832	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4827/N4828	N4824/N4832	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4828/N4829	N4824/N4832	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4829/N4830	N4824/N4832	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4830/N4831	N4824/N4832	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4831/N4832	N4824/N4832	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4832/N4833	N4832/N4840	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4833/N4834	N4832/N4840	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4834/N4835	N4832/N4840	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4835/N4836	N4832/N4840	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4836/N4837	N4832/N4840	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4837/N4838	N4832/N4840	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4838/N4839	N4832/N4840	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4839/N4840	N4832/N4840	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4841/N4842	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4842/N4843	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4843/N4844	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4844/N4845	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4845/N4846	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4846/N4847	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4847/N4848	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4848/N4849	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N4849/N4850	N4841/N4850	G 100x50x25x130x2.0 (G)	-	0.070	-	7.18	7.13	-	-
		N4850/N4851	N4850/N4858	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4851/N4852	N4850/N4858	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4852/N4853	N4850/N4858	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4853/N4854	N4850/N4858	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4854/N4855	N4850/N4858	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4855/N4856	N4850/N4858	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4856/N4857	N4850/N4858	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N4857/N4858	N4850/N4858	G 100x50x25x130x2.0 (G)	-	0.070	-	6.32	6.30	-	-
		N4858/N4859	N4858/N4866	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.98	-	-
		N4859/N4860	N4858/N4866	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4860/N4861	N4858/N4866	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N4861/N4862	N4858/N4866	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4862/N4863	N4858/N4866	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4863/N4864	N4858/N4866	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4864/N4865	N4858/N4866	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N4865/N4866	N4858/N4866	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.21	-	-
		N4867/N4868	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4868/N4869	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4869/N4870	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4870/N4871	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4871/N4872	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4872/N4873	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4873/N4874	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4874/N4875	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4875/N4876	N4867/N4876	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N4876/N4877	N4876/N4884	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4877/N4878	N4876/N4884	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4878/N4879	N4876/N4884	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4879/N4880	N4876/N4884	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4880/N4881	N4876/N4884	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4881/N4882	N4876/N4884	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4882/N4883	N4876/N4884	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4883/N4884	N4876/N4884	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4884/N4885	N4884/N4892	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4885/N4886	N4884/N4892	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4886/N4887	N4884/N4892	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4887/N4888	N4884/N4892	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4888/N4889	N4884/N4892	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4889/N4890	N4884/N4892	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N4890/N4891	N4884/N4892	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4891/N4892	N4884/N4892	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N4724/N4704	N4724/N4704	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4724/N4746	N4724/N4746	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4746/N4772	N4746/N4772	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4704/N4772	N4704/N4772	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4746/N4798	N4746/N4798	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4798/N4824	N4798/N4824	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4772/N4824	N4772/N4824	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4893/N4894	N4893/N4894	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4894/N4895	N4894/N4895	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4896/N4895	N4896/N4895	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4893/N4896	N4893/N4896	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4895/N4876	N4895/N4876	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4850/N4876	N4850/N4876	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4896/N4850	N4896/N4850	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4876/N4897	N4876/N4897	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4898/N4897	N4898/N4897	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4850/N4898	N4850/N4898	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4730/N4710	N4730/N4710	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4710/N4780	N4710/N4780	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4730/N4754	N4730/N4754	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4754/N4780	N4754/N4780	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4754/N4806	N4754/N4806	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4780/N4832	N4780/N4832	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4806/N4832	N4806/N4832	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4900/N4899	N4900/N4899	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4901/N4902	N4901/N4902	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N4899/N4902	N4899/N4902	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4902/N4884	N4902/N4884	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4858/N4884	N4858/N4884	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4899/N4858	N4899/N4858	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4858/N4903	N4858/N4903	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4884/N4904	N4884/N4904	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4903/N4904	N4903/N4904	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4900/N4901	N4900/N4901	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4736/N4716	N4736/N4716	40x80x2 (#)	0.065	0.595	0.065	0.00	0.00	-	-
		N4762/N4788	N4762/N4788	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4814/N4840	N4814/N4840	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4906/N4905	N4906/N4905	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4866/N4892	N4866/N4892	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4907/N4908	N4907/N4908	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4909/N4910	N4909/N4910	40x80x2 (#)	0.051	0.623	0.051	0.00	0.00	-	-
		N4704/N4372	N4704/N4372	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4772/N4394	N4772/N4394	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4824/N4446	N4824/N4446	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4894/N4541	N4894/N4541	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4895/N4544	N4895/N4544	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4876/N4498	N4876/N4498	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4897/N4546	N4897/N4546	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4710/N4378	N4710/N4378	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4780/N4402	N4780/N4402	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4832/N4454	N4832/N4454	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4901/N4548	N4901/N4548	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4902/N4547	N4902/N4547	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4884/N4506	N4884/N4506	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4904/N4551	N4904/N4551	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4716/N4384	N4716/N4384	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N4788/N4410	N4788/N4410	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4840/N4462	N4840/N4462	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4910/N4557	N4910/N4557	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4905/N4554	N4905/N4554	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4892/N4514	N4892/N4514	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4908/N4555	N4908/N4555	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N4798/N4893	N4798/N4893	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4824/N4894	N4824/N4894	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4718/N4738	N4718/N4738	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4719/N4739	N4719/N4739	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4720/N4740	N4720/N4740	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4721/N4742	N4721/N4742	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4722/N4743	N4722/N4743	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4723/N4744	N4723/N4744	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4738/N4790	N4738/N4790	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4739/N4791	N4739/N4791	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4740/N4792	N4740/N4792	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4742/N4794	N4742/N4794	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4743/N4795	N4743/N4795	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4744/N4796	N4744/N4796	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4911/N4842	N4911/N4842	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4912/N4843	N4912/N4843	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4913/N4844	N4913/N4844	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4914/N4846	N4914/N4846	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4915/N4847	N4915/N4847	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4916/N4848	N4916/N4848	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4842/N4917	N4842/N4917	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4843/N4918	N4843/N4918	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4844/N4919	N4844/N4919	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4846/N4920	N4846/N4920	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4847/N4921	N4847/N4921	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4848/N4922	N4848/N4922	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4851/N4923	N4851/N4923	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4852/N4924	N4852/N4924	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4855/N4925	N4855/N4925	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4856/N4926	N4856/N4926	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4854/N4927	N4854/N4927	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4928/N4851	N4928/N4851	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4929/N4852	N4929/N4852	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4930/N4855	N4930/N4855	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4931/N4856	N4931/N4856	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4932/N4854	N4932/N4854	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4747/N4799	N4747/N4799	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4748/N4800	N4748/N4800	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4751/N4803	N4751/N4803	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4752/N4804	N4752/N4804	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4750/N4802	N4750/N4802	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4725/N4747	N4725/N4747	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4726/N4748	N4726/N4748	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4728/N4751	N4728/N4751	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4729/N4752	N4729/N4752	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4727/N4750	N4727/N4750	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4733/N4758	N4733/N4758	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4734/N4759	N4734/N4759	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4735/N4760	N4735/N4760	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4732/N4756	N4732/N4756	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4731/N4755	N4731/N4755	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4758/N4810	N4758/N4810	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4759/N4811	N4759/N4811	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4760/N4812	N4760/N4812	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4756/N4808	N4756/N4808	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4755/N4807	N4755/N4807	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4933/N4862	N4933/N4862	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4934/N4863	N4934/N4863	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4935/N4864	N4935/N4864	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4936/N4860	N4936/N4860	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4937/N4859	N4937/N4859	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4862/N4938	N4862/N4938	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4864/N4939	N4864/N4939	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4863/N4940	N4863/N4940	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4859/N4941	N4859/N4941	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4860/N4942	N4860/N4942	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4698/N4764	N4698/N4764	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4699/N4765	N4699/N4765	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4700/N4767	N4700/N4767	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4701/N4768	N4701/N4768	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4702/N4769	N4702/N4769	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4703/N4771	N4703/N4771	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4764/N4816	N4764/N4816	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4765/N4817	N4765/N4817	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4767/N4819	N4767/N4819	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4768/N4820	N4768/N4820	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4769/N4821	N4769/N4821	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4771/N4823	N4771/N4823	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4943/N4868	N4943/N4868	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4944/N4869	N4944/N4869	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4945/N4871	N4945/N4871	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4946/N4872	N4946/N4872	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4947/N4873	N4947/N4873	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4948/N4875	N4948/N4875	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4868/N4949	N4868/N4949	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4869/N4950	N4869/N4950	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4871/N4951	N4871/N4951	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4872/N4952	N4872/N4952	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4873/N4953	N4873/N4953	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4875/N4954	N4875/N4954	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4877/N4955	N4877/N4955	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4879/N4956	N4879/N4956	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4881/N4957	N4881/N4957	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4883/N4958	N4883/N4958	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4880/N4959	N4880/N4959	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4960/N4877	N4960/N4877	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4961/N4879	N4961/N4879	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4962/N4881	N4962/N4881	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4963/N4883	N4963/N4883	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4964/N4880	N4964/N4880	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4773/N4825	N4773/N4825	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4775/N4827	N4775/N4827	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4777/N4829	N4777/N4829	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4779/N4831	N4779/N4831	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4776/N4828	N4776/N4828	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4705/N4773	N4705/N4773	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4706/N4775	N4706/N4775	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4708/N4777	N4708/N4777	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4709/N4779	N4709/N4779	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4707/N4776	N4707/N4776	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4713/N4784	N4713/N4784	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4714/N4785	N4714/N4785	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4715/N4787	N4715/N4787	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4712/N4783	N4712/N4783	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4711/N4781	N4711/N4781	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N4784/N4836	N4784/N4836	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4785/N4837	N4785/N4837	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4787/N4839	N4787/N4839	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4783/N4835	N4783/N4835	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4781/N4833	N4781/N4833	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4965/N4888	N4965/N4888	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4966/N4889	N4966/N4889	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4967/N4891	N4967/N4891	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4968/N4887	N4968/N4887	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4969/N4885	N4969/N4885	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4888/N4970	N4888/N4970	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4891/N4971	N4891/N4971	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4889/N4972	N4889/N4972	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4885/N4973	N4885/N4973	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4887/N4974	N4887/N4974	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4790/N4975	N4790/N4975	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4791/N4976	N4791/N4976	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4792/N4977	N4792/N4977	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4794/N4978	N4794/N4978	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4795/N4979	N4795/N4979	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4796/N4980	N4796/N4980	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4799/N4981	N4799/N4981	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4800/N4982	N4800/N4982	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4803/N4983	N4803/N4983	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4804/N4984	N4804/N4984	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4802/N4985	N4802/N4985	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4810/N4986	N4810/N4986	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4811/N4987	N4811/N4987	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4812/N4988	N4812/N4988	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4808/N4989	N4808/N4989	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4807/N4990	N4807/N4990	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4816/N4991	N4816/N4991	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4817/N4992	N4817/N4992	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4819/N4993	N4819/N4993	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4820/N4994	N4820/N4994	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4821/N4995	N4821/N4995	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4823/N4996	N4823/N4996	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4825/N4997	N4825/N4997	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4827/N4998	N4827/N4998	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4829/N4999	N4829/N4999	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4831/N5000	N4831/N5000	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4828/N5001	N4828/N5001	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4836/N5002	N4836/N5002	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4837/N5003	N4837/N5003	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4839/N5004	N4839/N5004	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4835/N5005	N4835/N5005	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N4833/N5006	N4833/N5006	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5007/N4975	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4975/N4976	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4976/N4977	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4977/N5008	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5008/N4978	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4978/N4979	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4979/N4980	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4980/N5009	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N5009/N4893	N5007/N4893	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N4893/N4981	N4893/N4900	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4981/N4982	N4893/N4900	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4982/N5010	N4893/N4900	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N5010/N4985	N4893/N4900	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4985/N4983	N4893/N4900	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4983/N4984	N4893/N4900	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4984/N5011	N4893/N4900	G 100x50x25x130x2.0 (G)	-	0.380	-	1.17	1.16	-	-
		N5011/N4900	N4893/N4900	G 100x50x25x130x2.0 (G)	-	0.070	-	6.33	6.30	-	-
		N4900/N4990	N4900/N4909	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4990/N4989	N4900/N4909	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4989/N5012	N4900/N4909	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N5012/N4986	N4900/N4909	G 100x50x25x130x2.0 (G)	-	0.070	-	6.41	6.43	-	-
		N4986/N4987	N4900/N4909	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4987/N4988	N4900/N4909	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4988/N5013	N4900/N4909	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N5013/N4909	N4900/N4909	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N5014/N4991	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4991/N4992	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4992/N5015	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5015/N4993	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4993/N4994	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4994/N4995	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4995/N5016	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5016/N4996	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4996/N4894	N5014/N4894	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N4894/N4997	N4894/N4901	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4997/N5017	N4894/N4901	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5017/N4998	N4894/N4901	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4998/N5001	N4894/N4901	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N5001/N4999	N4894/N4901	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4999/N5018	N4894/N4901	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5018/N5000	N4894/N4901	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5000/N4901	N4894/N4901	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4901/N5006	N4901/N4910	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N5006/N5019	N4901/N4910	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5019/N5005	N4901/N4910	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5005/N5002	N4901/N4910	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5002/N5003	N4901/N4910	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5003/N5020	N4901/N4910	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5020/N5004	N4901/N4910	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5004/N4910	N4901/N4910	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5021/N4911	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4911/N4912	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4912/N4913	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4913/N5022	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5022/N4914	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4914/N4915	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4915/N4916	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4916/N5023	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.440	-	1.14	1.13	-	-
		N5023/N4896	N5021/N4896	G 100x50x25x130x2.0 (G)	-	0.070	-	7.16	7.13	-	-
		N4896/N4928	N4896/N4899	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4928/N4929	N4896/N4899	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4929/N5024	N4896/N4899	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N5024/N4932	N4896/N4899	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4932/N4930	N4896/N4899	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4930/N4931	N4896/N4899	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N4931/N5025	N4896/N4899	G 100x50x25x130x2.0 (G)	-	0.380	-	1.16	1.16	-	-
		N5025/N4899	N4896/N4899	G 100x50x25x130x2.0 (G)	-	0.070	-	6.31	6.30	-	-
		N4899/N4937	N4899/N4906	G 100x50x25x130x2.0 (G)	-	0.440	-	0.98	0.98	-	-
		N4937/N4936	N4899/N4906	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4936/N5026	N4899/N4906	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N5026/N4933	N4899/N4906	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4933/N4934	N4899/N4906	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4934/N4935	N4899/N4906	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4935/N5027	N4899/N4906	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.14	-	-
		N5027/N4906	N4899/N4906	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.21	-	-
		N5028/N4943	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4943/N4944	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4944/N5029	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5029/N4945	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4945/N4946	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4946/N4947	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4947/N5030	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5030/N4948	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4948/N4895	N5028/N4895	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N4895/N4960	N4895/N4902	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4960/N5031	N4895/N4902	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5031/N4961	N4895/N4902	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4961/N4964	N4895/N4902	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4964/N4962	N4895/N4902	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4962/N5032	N4895/N4902	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5032/N4963	N4895/N4902	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4963/N4902	N4895/N4902	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N4902/N4969	N4902/N4905	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	0.97	-	-
		N4969/N5033	N4902/N4905	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5033/N4968	N4902/N4905	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4968/N4965	N4902/N4905	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4965/N4966	N4902/N4905	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4966/N5034	N4902/N4905	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5034/N4967	N4902/N4905	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N4967/N4905	N4902/N4905	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5035/N4917	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4917/N4918	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4918/N4919	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4919/N5036	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5036/N4920	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4920/N4921	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4921/N4922	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4922/N5037	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.440	-	1.13	1.14	-	-
		N5037/N4898	N5035/N4898	G 100x50x25x130x2.0 (G)	-	0.070	-	7.08	7.15	-	-
		N4898/N4923	N4898/N4903	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4923/N4924	N4898/N4903	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4924/N5038	N4898/N4903	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N5038/N4927	N4898/N4903	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4927/N4925	N4898/N4903	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4925/N4926	N4898/N4903	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4926/N5039	N4898/N4903	G 100x50x25x130x2.0 (G)	-	0.380	-	1.15	1.16	-	-
		N5039/N4903	N4898/N4903	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.30	-	-
		N4903/N4941	N4903/N4907	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.98	-	-
		N4941/N4942	N4903/N4907	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4942/N5040	N4903/N4907	G 100x50x25x130x2.0 (G)	-	0.380	-	1.18	1.18	-	-
		N5040/N4938	N4903/N4907	G 100x50x25x130x2.0 (G)	-	0.070	-	6.43	6.43	-	-
		N4938/N4940	N4903/N4907	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4940/N4939	N4903/N4907	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4939/N5041	N4903/N4907	G 100x50x25x130x2.0 (G)	-	0.380	-	1.13	1.14	-	-
		N5041/N4907	N4903/N4907	G 100x50x25x130x2.0 (G)	-	0.070	-	6.15	6.21	-	-
		N5042/N4949	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N4949/N4950	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4950/N5043	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5043/N4951	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4951/N4952	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4952/N4953	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4953/N5044	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5044/N4954	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4954/N4897	N5042/N4897	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N4897/N4955	N4897/N4904	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4955/N5045	N4897/N4904	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5045/N4956	N4897/N4904	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4956/N4959	N4897/N4904	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4959/N4957	N4897/N4904	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4957/N5046	N4897/N4904	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5046/N4958	N4897/N4904	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4958/N4904	N4897/N4904	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N4904/N4973	N4904/N4908	G 100x50x25x130x2.0 (G)	-	0.440	-	0.97	0.97	-	-
		N4973/N5047	N4904/N4908	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5047/N4974	N4904/N4908	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4974/N4970	N4904/N4908	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N4970/N4972	N4904/N4908	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N4972/N5048	N4904/N4908	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5048/N4971	N4904/N4908	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N4971/N4908	N4904/N4908	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N4832/N4901	N4832/N4901	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4806/N4900	N4806/N4900	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N4718/N4698	N4718/N4698	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N4718/N4700	N4718/N4700	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4700/N4721	N4700/N4721	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N4721/N4703	N4721/N4703	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4703/N4724	N4703/N4724	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N4366/N4346	N4366/N4346	CF-60x2.0 (C)	0.065	0.595	0.065	1.00	1.00	-	-
		N4366/N4348	N4366/N4348	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4348/N4369	N4348/N4369	CF-60x2.0 (C)	0.077	0.694	0.077	1.00	1.00	-	-
		N4369/N4351	N4369/N4351	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4351/N4372	N4351/N4372	CF-60x2.0 (C)	0.080	0.666	0.140	1.00	1.00	-	-
		N4724/N4706	N4724/N4706	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4706/N4727	N4706/N4727	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N4727/N4709	N4727/N4709	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4709/N4730	N4709/N4730	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N4730/N4712	N4730/N4712	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4712/N4733	N4712/N4733	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N4733/N4715	N4733/N4715	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4715/N4736	N4715/N4736	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N4372/N4354	N4372/N4354	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4354/N4375	N4354/N4375	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N4375/N4357	N4375/N4357	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4357/N4378	N4357/N4378	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N4378/N4360	N4378/N4360	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4360/N4381	N4360/N4381	CF-60x2.0 (C)	0.077	0.699	0.077	1.00	1.00	-	-
		N4381/N4363	N4381/N4363	CF-60x2.0 (C)	0.103	0.934	0.103	1.00	1.00	-	-
		N4363/N4384	N4363/N4384	CF-60x2.0 (C)	0.077	0.624	0.152	1.00	1.00	-	-
		N5049/N5050	N5049/N5056	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5050/N5051	N5049/N5056	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5051/N5052	N5049/N5056	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5052/N5053	N5049/N5056	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5053/N5054	N5049/N5056	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5054/N5055	N5049/N5056	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5055/N5056	N5049/N5056	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N5056/N5057	N5056/N5062	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.97	0.97	-	-
		N5057/N5058	N5056/N5062	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5058/N5059	N5056/N5062	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5059/N5060	N5056/N5062	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5060/N5061	N5056/N5062	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5061/N5062	N5056/N5062	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N5062/N5063	N5062/N5068	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.97	0.97	-	-
		N5063/N5064	N5062/N5068	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5064/N5065	N5062/N5068	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5065/N5066	N5062/N5068	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5066/N5067	N5062/N5068	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5067/N5068	N5062/N5068	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N5069/N5070	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5070/N5071	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5071/N5072	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5072/N5073	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5073/N5074	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5074/N5075	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5075/N5076	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5076/N5077	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5077/N5078	N5069/N5078	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N5078/N5079	N5078/N5086	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5079/N5080	N5078/N5086	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5080/N5081	N5078/N5086	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5081/N5082	N5078/N5086	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5082/N5083	N5078/N5086	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5083/N5084	N5078/N5086	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5084/N5085	N5078/N5086	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5085/N5086	N5078/N5086	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5086/N5087	N5086/N5094	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5087/N5088	N5086/N5094	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5088/N5089	N5086/N5094	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5089/N5090	N5086/N5094	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5090/N5091	N5086/N5094	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5091/N5092	N5086/N5094	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5092/N5093	N5086/N5094	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5093/N5094	N5086/N5094	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5095/N5096	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5096/N5097	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5097/N5098	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5098/N5099	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5099/N5100	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5100/N5101	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5101/N5102	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N5102/N5103	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N5103/N5104	N5095/N5104	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N5104/N5105	N5104/N5112	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5105/N5106	N5104/N5112	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5106/N5107	N5104/N5112	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5107/N5108	N5104/N5112	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5108/N5109	N5104/N5112	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5109/N5110	N5104/N5112	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5110/N5111	N5104/N5112	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5111/N5112	N5104/N5112	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5112/N5113	N5112/N5120	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5113/N5114	N5112/N5120	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5114/N5115	N5112/N5120	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5115/N5116	N5112/N5120	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5116/N5117	N5112/N5120	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5117/N5118	N5112/N5120	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5118/N5119	N5112/N5120	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5119/N5120	N5112/N5120	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5121/N5122	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5122/N5123	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5123/N5124	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5124/N5125	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5125/N5126	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5126/N5127	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5127/N5128	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5128/N5129	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5129/N5130	N5121/N5130	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N5130/N5131	N5130/N5138	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5131/N5132	N5130/N5138	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5132/N5133	N5130/N5138	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5133/N5134	N5130/N5138	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5134/N5135	N5130/N5138	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5135/N5136	N5130/N5138	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5136/N5137	N5130/N5138	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5137/N5138	N5130/N5138	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5138/N5139	N5138/N5145	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5139/N5140	N5138/N5145	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5140/N5141	N5138/N5145	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5141/N5142	N5138/N5145	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5142/N5143	N5138/N5145	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5143/N5144	N5138/N5145	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5144/N5145	N5138/N5145	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5056/N5078	N5056/N5078	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5078/N5104	N5078/N5104	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5146/N5147	N5146/N5147	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N5147/N5130	N5147/N5130	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5130/N5148	N5130/N5148	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5062/N5086	N5062/N5086	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5086/N5112	N5086/N5112	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5149/N5150	N5149/N5150	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N5150/N5138	N5150/N5138	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5138/N5151	N5138/N5151	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5056/N4724	N5056/N4724	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N5078/N4746	N5078/N4746	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5104/N4798	N5104/N4798	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5146/N4893	N5146/N4893	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5147/N4896	N5147/N4896	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5130/N4850	N5130/N4850	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5148/N4898	N5148/N4898	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5062/N4730	N5062/N4730	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N5086/N4754	N5086/N4754	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5112/N4806	N5112/N4806	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5149/N4900	N5149/N4900	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5150/N4899	N5150/N4899	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5138/N4858	N5138/N4858	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5151/N4903	N5151/N4903	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5068/N4736	N5068/N4736	40x80x2 (#)	0.065	0.945	0.065	0.00	0.00	-	-
		N5094/N4762	N5094/N4762	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5120/N4814	N5120/N4814	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5154/N4909	N5154/N4909	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5152/N4906	N5152/N4906	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5145/N4866	N5145/N4866	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5153/N4907	N5153/N4907	40x80x2 (#)	0.051	0.973	0.051	0.00	0.00	-	-
		N5104/N5146	N5104/N5146	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5050/N5070	N5050/N5070	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5051/N5071	N5051/N5071	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5052/N5073	N5052/N5073	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5053/N5074	N5053/N5074	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5054/N5075	N5054/N5075	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5055/N5077	N5055/N5077	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5070/N5096	N5070/N5096	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5071/N5097	N5071/N5097	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5073/N5099	N5073/N5099	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5074/N5100	N5074/N5100	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5075/N5101	N5075/N5101	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5077/N5103	N5077/N5103	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5155/N5122	N5155/N5122	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5156/N5123	N5156/N5123	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5157/N5125	N5157/N5125	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5158/N5126	N5158/N5126	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5159/N5127	N5159/N5127	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5160/N5129	N5160/N5129	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5122/N5161	N5122/N5161	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5123/N5162	N5123/N5162	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5125/N5163	N5125/N5163	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5126/N5164	N5126/N5164	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5127/N5165	N5127/N5165	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5129/N5166	N5129/N5166	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5131/N5167	N5131/N5167	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5133/N5168	N5133/N5168	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5135/N5169	N5135/N5169	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5137/N5170	N5137/N5170	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5134/N5171	N5134/N5171	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5172/N5131	N5172/N5131	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5173/N5133	N5173/N5133	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5174/N5135	N5174/N5135	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5175/N5137	N5175/N5137	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5176/N5134	N5176/N5134	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5079/N5105	N5079/N5105	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5081/N5107	N5081/N5107	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5083/N5109	N5083/N5109	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5085/N5111	N5085/N5111	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5082/N5108	N5082/N5108	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5057/N5079	N5057/N5079	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5058/N5081	N5058/N5081	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5060/N5083	N5060/N5083	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5061/N5085	N5061/N5085	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5059/N5082	N5059/N5082	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5065/N5090	N5065/N5090	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5066/N5091	N5066/N5091	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5067/N5093	N5067/N5093	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5064/N5089	N5064/N5089	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5063/N5087	N5063/N5087	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5090/N5116	N5090/N5116	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5091/N5117	N5091/N5117	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5093/N5119	N5093/N5119	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5089/N5115	N5089/N5115	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5087/N5113	N5087/N5113	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5177/N5142	N5177/N5142	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5178/N5143	N5178/N5143	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5179/N5144	N5179/N5144	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5180/N5141	N5180/N5141	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5181/N5139	N5181/N5139	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5142/N5182	N5142/N5182	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5144/N5183	N5144/N5183	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5143/N5184	N5143/N5184	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5139/N5185	N5139/N5185	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5141/N5186	N5141/N5186	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5096/N5187	N5096/N5187	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5097/N5188	N5097/N5188	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5099/N5189	N5099/N5189	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5100/N5190	N5100/N5190	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5101/N5191	N5101/N5191	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5103/N5192	N5103/N5192	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5105/N5193	N5105/N5193	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5107/N5194	N5107/N5194	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5109/N5195	N5109/N5195	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5111/N5196	N5111/N5196	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5108/N5197	N5108/N5197	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5116/N5198	N5116/N5198	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5117/N5199	N5117/N5199	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5119/N5200	N5119/N5200	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5115/N5201	N5115/N5201	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5113/N5202	N5113/N5202	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5203/N5187	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5187/N5188	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5188/N5204	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5204/N5189	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5189/N5190	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N5190/N5191	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N5191/N5205	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5205/N5192	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5192/N5146	N5203/N5146	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N5146/N5193	N5146/N5149	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5193/N5206	N5146/N5149	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5206/N5194	N5146/N5149	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5194/N5197	N5146/N5149	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N5197/N5195	N5146/N5149	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N5195/N5207	N5146/N5149	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5207/N5196	N5146/N5149	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5196/N5149	N5146/N5149	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5149/N5202	N5149/N5154	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5202/N5208	N5149/N5154	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5208/N5201	N5149/N5154	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5201/N5198	N5149/N5154	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5198/N5199	N5149/N5154	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5199/N5209	N5149/N5154	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5209/N5200	N5149/N5154	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5200/N5154	N5149/N5154	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5210/N5155	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5155/N5156	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5156/N5211	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5211/N5157	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5157/N5158	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5158/N5159	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5159/N5212	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5212/N5160	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5160/N5147	N5210/N5147	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N5147/N5172	N5147/N5150	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5172/N5213	N5147/N5150	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5213/N5173	N5147/N5150	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5173/N5176	N5147/N5150	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5176/N5174	N5147/N5150	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5174/N5214	N5147/N5150	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5214/N5175	N5147/N5150	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5175/N5150	N5147/N5150	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5150/N5181	N5150/N5152	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5181/N5215	N5150/N5152	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5215/N5180	N5150/N5152	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5180/N5177	N5150/N5152	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5177/N5178	N5150/N5152	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5178/N5216	N5150/N5152	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5216/N5179	N5150/N5152	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5179/N5152	N5150/N5152	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5217/N5161	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5161/N5162	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5162/N5218	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5218/N5163	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5163/N5164	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5164/N5165	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5165/N5219	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5219/N5166	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5166/N5148	N5217/N5148	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N5148/N5167	N5148/N5151	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.97	0.97	-	-
		N5167/N5220	N5148/N5151	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5220/N5168	N5148/N5151	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5168/N5171	N5148/N5151	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5171/N5169	N5148/N5151	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5169/N5221	N5148/N5151	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5221/N5170	N5148/N5151	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5170/N5151	N5148/N5151	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N5151/N5185	N5151/N5153	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.97	0.97	-	-
		N5185/N5222	N5151/N5153	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5222/N5186	N5151/N5153	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5186/N5182	N5151/N5153	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5182/N5184	N5151/N5153	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5184/N5223	N5151/N5153	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5223/N5183	N5151/N5153	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5183/N5153	N5151/N5153	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N5112/N5149	N5112/N5149	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5224/N5225	N5224/N5231	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5225/N5226	N5224/N5231	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5226/N5227	N5224/N5231	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5227/N5228	N5224/N5231	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5228/N5229	N5224/N5231	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5229/N5230	N5224/N5231	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5230/N5231	N5224/N5231	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-
		N5231/N5232	N5231/N5237	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.97	0.97	-	-
		N5232/N5233	N5231/N5237	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5233/N5234	N5231/N5237	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5234/N5235	N5231/N5237	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5235/N5236	N5231/N5237	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5236/N5237	N5231/N5237	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N5237/N5238	N5237/N5243	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.97	0.97	-	-
		N5238/N5239	N5237/N5243	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5239/N5240	N5237/N5243	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5240/N5241	N5237/N5243	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5241/N5242	N5237/N5243	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5242/N5243	N5237/N5243	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N5244/N5245	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5245/N5246	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5246/N5247	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5247/N5248	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5248/N5249	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5249/N5250	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5250/N5251	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5251/N5252	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5252/N5253	N5244/N5253	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N5253/N5254	N5253/N5261	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5254/N5255	N5253/N5261	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5255/N5256	N5253/N5261	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5256/N5257	N5253/N5261	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5257/N5258	N5253/N5261	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5258/N5259	N5253/N5261	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5259/N5260	N5253/N5261	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5260/N5261	N5253/N5261	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5261/N5262	N5261/N5269	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5262/N5263	N5261/N5269	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5263/N5264	N5261/N5269	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5264/N5265	N5261/N5269	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5265/N5266	N5261/N5269	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5266/N5267	N5261/N5269	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5267/N5268	N5261/N5269	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5268/N5269	N5261/N5269	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5270/N5271	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5271/N5272	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5272/N5273	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5273/N5274	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5274/N5275	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5275/N5276	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5276/N5277	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.370	-	1.18	1.19	-	-
		N5277/N5278	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.070	-	6.25	6.29	-	-
		N5278/N5279	N5270/N5279	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N5279/N5280	N5279/N5287	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5280/N5281	N5279/N5287	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5281/N5282	N5279/N5287	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5282/N5283	N5279/N5287	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5283/N5284	N5279/N5287	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5284/N5285	N5279/N5287	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5285/N5286	N5279/N5287	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5286/N5287	N5279/N5287	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5287/N5288	N5287/N5295	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5288/N5289	N5287/N5295	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5289/N5290	N5287/N5295	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5290/N5291	N5287/N5295	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5291/N5292	N5287/N5295	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5292/N5293	N5287/N5295	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5293/N5294	N5287/N5295	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5294/N5295	N5287/N5295	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5296/N5297	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5297/N5298	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5298/N5299	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5299/N5300	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5300/N5301	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5301/N5302	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5302/N5303	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5303/N5304	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5304/N5305	N5296/N5305	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N5305/N5306	N5305/N5313	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5306/N5307	N5305/N5313	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5307/N5308	N5305/N5313	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5308/N5309	N5305/N5313	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5309/N5310	N5305/N5313	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5310/N5311	N5305/N5313	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5311/N5312	N5305/N5313	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5312/N5313	N5305/N5313	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5313/N5314	N5313/N5320	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5314/N5315	N5313/N5320	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5315/N5316	N5313/N5320	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5316/N5317	N5313/N5320	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5317/N5318	N5313/N5320	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5318/N5319	N5313/N5320	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5319/N5320	N5313/N5320	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5231/N5253	N5231/N5253	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5253/N5279	N5253/N5279	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5321/N5322	N5321/N5322	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N5322/N5305	N5322/N5305	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5305/N5323	N5305/N5323	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5237/N5261	N5237/N5261	40x80x2 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5261/N5287	N5261/N5287	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5324/N5325	N5324/N5325	40x80x2 (#)	0.065	1.445	0.065	0.00	0.00	-	-
		N5325/N5313	N5325/N5313	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5313/N5326	N5313/N5326	40x80x2 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5279/N5321	N5279/N5321	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5225/N5245	N5225/N5245	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5226/N5246	N5226/N5246	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5227/N5248	N5227/N5248	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5228/N5249	N5228/N5249	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5229/N5250	N5229/N5250	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5230/N5252	N5230/N5252	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5245/N5271	N5245/N5271	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5246/N5272	N5246/N5272	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5248/N5274	N5248/N5274	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5249/N5275	N5249/N5275	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5250/N5276	N5250/N5276	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5252/N5278	N5252/N5278	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5327/N5297	N5327/N5297	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5328/N5298	N5328/N5298	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5329/N5300	N5329/N5300	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5330/N5301	N5330/N5301	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5331/N5302	N5331/N5302	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5332/N5304	N5332/N5304	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5297/N5333	N5297/N5333	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5298/N5334	N5298/N5334	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5300/N5335	N5300/N5335	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5301/N5336	N5301/N5336	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5302/N5337	N5302/N5337	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5304/N5338	N5304/N5338	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5306/N5339	N5306/N5339	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5308/N5340	N5308/N5340	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5310/N5341	N5310/N5341	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5312/N5342	N5312/N5342	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5309/N5343	N5309/N5343	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5344/N5306	N5344/N5306	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5345/N5308	N5345/N5308	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5346/N5310	N5346/N5310	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5347/N5312	N5347/N5312	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5348/N5309	N5348/N5309	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5254/N5280	N5254/N5280	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5256/N5282	N5256/N5282	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5258/N5284	N5258/N5284	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5260/N5286	N5260/N5286	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5257/N5283	N5257/N5283	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5232/N5254	N5232/N5254	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5233/N5256	N5233/N5256	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5235/N5258	N5235/N5258	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5236/N5260	N5236/N5260	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5234/N5257	N5234/N5257	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5240/N5265	N5240/N5265	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5241/N5266	N5241/N5266	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5242/N5268	N5242/N5268	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5239/N5264	N5239/N5264	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5238/N5262	N5238/N5262	40x60x1.5 (#)	0.051	2.199	0.065	0.00	0.00	-	-
		N5265/N5291	N5265/N5291	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5266/N5292	N5266/N5292	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5268/N5294	N5268/N5294	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5264/N5290	N5264/N5290	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5262/N5288	N5262/N5288	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5349/N5317	N5349/N5317	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5350/N5318	N5350/N5318	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5351/N5319	N5351/N5319	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5352/N5316	N5352/N5316	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5353/N5314	N5353/N5314	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5317/N5354	N5317/N5354	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5319/N5355	N5319/N5355	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5318/N5356	N5318/N5356	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5314/N5357	N5314/N5357	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5316/N5358	N5316/N5358	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5271/N5359	N5271/N5359	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5272/N5360	N5272/N5360	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5274/N5361	N5274/N5361	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5275/N5362	N5275/N5362	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5276/N5363	N5276/N5363	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5278/N5364	N5278/N5364	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5280/N5365	N5280/N5365	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5282/N5366	N5282/N5366	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5284/N5367	N5284/N5367	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5286/N5368	N5286/N5368	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5283/N5369	N5283/N5369	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5291/N5370	N5291/N5370	40x60x1.5 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5292/N5371	N5292/N5371	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5294/N5372	N5294/N5372	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5290/N5373	N5290/N5373	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5288/N5374	N5288/N5374	40x60x1.5 (#)	0.065	2.185	0.065	0.00	0.00	-	-
		N5375/N5359	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5359/N5360	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5360/N5376	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5376/N5361	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5361/N5362	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N5362/N5363	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N5363/N5377	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5377/N5364	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5364/N5321	N5375/N5321	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.98	0.97	-	-
		N5321/N5365	N5321/N5324	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5365/N5378	N5321/N5324	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5378/N5366	N5321/N5324	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5366/N5369	N5321/N5324	G 100x50x25x130x2.0 (G)	-	0.450	-	0.99	1.00	-	-
		N5369/N5367	N5321/N5324	G 100x50x25x130x2.0 (G)	-	0.440	-	0.99	1.00	-	-
		N5367/N5379	N5321/N5324	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5379/N5368	N5321/N5324	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5368/N5324	N5321/N5324	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5324/N5374	N5324/N5382	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5374/N5380	N5324/N5382	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5380/N5373	N5324/N5382	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5373/N5370	N5324/N5382	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5370/N5371	N5324/N5382	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5371/N5381	N5324/N5382	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5381/N5372	N5324/N5382	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5372/N5382	N5324/N5382	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5383/N5327	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5327/N5328	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5328/N5384	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5384/N5329	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5329/N5330	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5330/N5331	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5331/N5385	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5385/N5332	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5332/N5322	N5383/N5322	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.99	0.97	-	-
		N5322/N5344	N5322/N5325	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5344/N5386	N5322/N5325	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5386/N5345	N5322/N5325	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5345/N5348	N5322/N5325	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5348/N5346	N5322/N5325	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5346/N5387	N5322/N5325	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5387/N5347	N5322/N5325	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5347/N5325	N5322/N5325	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.99	0.97	-	-
		N5325/N5353	N5325/N5390	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.99	0.97	-	-
		N5353/N5388	N5325/N5390	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5388/N5352	N5325/N5390	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5352/N5349	N5325/N5390	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5349/N5350	N5325/N5390	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5350/N5389	N5325/N5390	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5389/N5351	N5325/N5390	G 100x50x25x130x2.0 (G)	-	0.070	-	6.27	6.29	-	-
		N5351/N5390	N5325/N5390	G 100x50x25x130x2.0 (G)	-	0.370	0.080	1.00	0.95	-	-
		N5391/N5333	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.070	-	1.00	1.00	-	-
		N5333/N5334	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5334/N5392	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5392/N5335	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5335/N5336	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5336/N5337	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5337/N5393	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5393/N5338	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5338/N5323	N5391/N5323	G 100x50x25x130x2.0 (G)	-	0.430	0.080	0.97	0.97	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5323/N5339	N5323/N5326	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.97	0.97	-	-
		N5339/N5394	N5323/N5326	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5394/N5340	N5323/N5326	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5340/N5343	N5323/N5326	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5343/N5341	N5323/N5326	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5341/N5395	N5323/N5326	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5395/N5342	N5323/N5326	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5342/N5326	N5323/N5326	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.97	0.97	-	-
		N5326/N5357	N5326/N5398	G 100x50x25x130x2.0 (G)	0.040	0.400	-	0.97	0.97	-	-
		N5357/N5396	N5326/N5398	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5396/N5358	N5326/N5398	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5358/N5354	N5326/N5398	G 100x50x25x130x2.0 (G)	-	0.450	-	1.00	1.00	-	-
		N5354/N5356	N5326/N5398	G 100x50x25x130x2.0 (G)	-	0.440	-	1.00	1.00	-	-
		N5356/N5397	N5326/N5398	G 100x50x25x130x2.0 (G)	-	0.370	-	1.19	1.19	-	-
		N5397/N5355	N5326/N5398	G 100x50x25x130x2.0 (G)	-	0.070	-	6.29	6.29	-	-
		N5355/N5398	N5326/N5398	G 100x50x25x130x2.0 (G)	-	0.370	0.080	0.96	0.95	-	-
		N5287/N5324	N5287/N5324	40x80x2 (#)	0.065	2.185	0.065	1.00	1.00	-	-
		N5231/N5056	N5231/N5056	40x80x2 (#)	0.065	0.195	0.065	1.00	1.00	-	-
		N5253/N5078	N5253/N5078	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5279/N5104	N5279/N5104	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5321/N5146	N5321/N5146	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5322/N5147	N5322/N5147	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5305/N5130	N5305/N5130	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5323/N5148	N5323/N5148	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5237/N5062	N5237/N5062	40x80x2 (#)	0.065	0.195	0.065	1.00	1.00	-	-
		N5261/N5086	N5261/N5086	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5287/N5112	N5287/N5112	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5324/N5149	N5324/N5149	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5325/N5150	N5325/N5150	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5313/N5138	N5313/N5138	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5326/N5151	N5326/N5151	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5243/N5068	N5243/N5068	40x80x2 (#)	0.065	0.195	0.065	1.00	1.00	-	-
		N5269/N5094	N5269/N5094	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5295/N5120	N5295/N5120	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5382/N5154	N5382/N5154	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5390/N5152	N5390/N5152	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5320/N5145	N5320/N5145	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5398/N5153	N5398/N5153	40x80x2 (#)	0.051	0.223	0.051	1.00	1.00	-	-
		N5225/N5050	N5225/N5050	CF-60x2.0 (C)	0.065	0.195	0.065	1.00	1.00	-	-
		N5225/N5052	N5225/N5052	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N5052/N5228	N5052/N5228	CF-60x2.0 (C)	0.110	0.327	0.110	1.00	1.00	-	-
		N5228/N5055	N5228/N5055	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N5055/N5231	N5055/N5231	CF-60x2.0 (C)	0.121	0.363	0.121	1.00	1.00	-	-
		N5231/N5058	N5231/N5058	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N5058/N5234	N5058/N5234	CF-60x2.0 (C)	0.112	0.331	0.112	1.00	1.00	-	-
		N5234/N5061	N5234/N5061	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N5061/N5237	N5061/N5237	CF-60x2.0 (C)	0.112	0.331	0.112	1.00	1.00	-	-
		N5237/N5064	N5237/N5064	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N5064/N5240	N5064/N5240	CF-60x2.0 (C)	0.112	0.331	0.112	1.00	1.00	-	-
		N5240/N5067	N5240/N5067	CF-60x2.0 (C)	0.188	0.562	0.188	1.00	1.00	-	-
		N5067/N5243	N5067/N5243	CF-60x2.0 (C)	0.112	0.331	0.112	1.00	1.00	-	-
		N5382/N5390	N5382/N5390	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N5154/N5152	N5154/N5152	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N4909/N4906	N4909/N4906	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N4910/N4905	N4910/N4905	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N4557/N4554	N4557/N4554	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N4558/N4553	N4558/N4553	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N4205/N4202	N4205/N4202	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N4206/N4201	N4206/N4201	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N3853/N3850	N3853/N3850	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N3854/N3849	N3854/N3849	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N3501/N3498	N3501/N3498	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N3502/N3497	N3502/N3497	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N3149/N3146	N3149/N3146	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N3150/N3145	N3150/N3145	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N2797/N2794	N2797/N2794	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N2798/N2793	N2798/N2793	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N2445/N2442	N2445/N2442	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N2446/N2441	N2446/N2441	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N2093/N2090	N2093/N2090	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N2094/N2089	N2094/N2089	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N1741/N1738	N1741/N1738	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N1742/N1737	N1742/N1737	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N1113/N1110	N1113/N1110	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N1114/N1109	N1114/N1109	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N756/N796	N756/N796	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N776/N816	N776/N816	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N180/N220	N180/N220	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N529/N566	N529/N566	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N341/N342	N341/N342	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N200/N240	N200/N240	40x80x2 (#)	0.065	1.445	0.065	1.00	1.00	-	-
		N928/N926	N928/N926	150x50x4.0 (Rectangular_Colmmmena)	-	0.125	0.050	1.00	1.00	-	-
		N915/N928	N915/N928	150x50x4.0 (Rectangular_Colmmmena)	0.050	0.920	-	1.00	1.00	-	-
		N978/N998	N978/N998	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N978/N1000	N978/N1000	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1000/N981	N1000/N981	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N981/N1003	N981/N1003	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1003/N984	N1003/N984	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N658/N678	N658/N678	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N658/N680	N658/N680	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N680/N661	N680/N661	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N661/N683	N661/N683	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N683/N664	N683/N664	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N42/N62	N42/N62	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N42/N64	N42/N64	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N64/N45	N64/N45	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N45/N67	N45/N67	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N67/N48	N67/N48	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N391/N383	N391/N383	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N391/N385	N391/N385	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N385/N394	N385/N394	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N394/N388	N394/N388	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N388/N322	N388/N322	CF-60x2.0 (C)	0.094	0.416	0.095	1.00	1.00	-	-
		N984/N1006	N984/N1006	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1006/N987	N1006/N987	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N987/N1009	N987/N1009	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1009/N990	N1009/N990	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N990/N1012	N990/N1012	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1012/N993	N1012/N993	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N993/N1015	N993/N1015	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1015/N996	N1015/N996	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N664/N686	N664/N686	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N686/N667	N686/N667	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N667/N689	N667/N689	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N689/N670	N689/N670	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N670/N692	N670/N692	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N692/N673	N692/N673	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N673/N695	N673/N695	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N695/N676	N695/N676	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N48/N70	N48/N70	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N70/N51	N70/N51	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N51/N73	N51/N73	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N73/N54	N73/N54	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N54/N76	N54/N76	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N76/N57	N76/N57	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N57/N79	N57/N79	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N79/N60	N79/N60	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N322/N403	N322/N403	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N403/N399	N403/N399	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N399/N406	N399/N406	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N406/N330	N406/N330	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N330/N414	N330/N414	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N414/N410	N414/N410	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N410/N417	N410/N417	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N417/N338	N417/N338	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N1922/N1948	N1922/N1948	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1922/N1951	N1922/N1951	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1951/N1926	N1951/N1926	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1926/N1955	N1926/N1955	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1955/N1930	N1955/N1930	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N1570/N1596	N1570/N1596	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1570/N1599	N1570/N1599	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1599/N1574	N1599/N1574	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1574/N1603	N1574/N1603	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1603/N1578	N1603/N1578	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N1930/N1959	N1930/N1959	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1959/N1934	N1959/N1934	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1934/N1963	N1934/N1963	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1963/N1938	N1963/N1938	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1938/N1967	N1938/N1967	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1967/N1942	N1967/N1942	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1942/N1971	N1942/N1971	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1971/N1946	N1971/N1946	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1578/N1607	N1578/N1607	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1607/N1582	N1607/N1582	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1582/N1611	N1582/N1611	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1611/N1586	N1611/N1586	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1586/N1615	N1586/N1615	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1615/N1590	N1615/N1590	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1590/N1619	N1590/N1619	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1619/N1594	N1619/N1594	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2626/N2652	N2626/N2652	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2626/N2655	N2626/N2655	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2655/N2630	N2655/N2630	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2630/N2659	N2630/N2659	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2659/N2634	N2659/N2634	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2274/N2300	N2274/N2300	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2274/N2303	N2274/N2303	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2303/N2278	N2303/N2278	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2278/N2307	N2278/N2307	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2307/N2282	N2307/N2282	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2634/N2663	N2634/N2663	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2663/N2638	N2663/N2638	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2638/N2667	N2638/N2667	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2667/N2642	N2667/N2642	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2642/N2671	N2642/N2671	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2671/N2646	N2671/N2646	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2646/N2675	N2646/N2675	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2675/N2650	N2675/N2650	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2282/N2311	N2282/N2311	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2311/N2286	N2311/N2286	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2286/N2315	N2286/N2315	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2315/N2290	N2315/N2290	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2290/N2319	N2290/N2319	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2319/N2294	N2319/N2294	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2294/N2323	N2294/N2323	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2323/N2298	N2323/N2298	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3330/N3356	N3330/N3356	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3330/N3359	N3330/N3359	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3359/N3334	N3359/N3334	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3334/N3363	N3334/N3363	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3363/N3338	N3363/N3338	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2978/N3004	N2978/N3004	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2978/N3007	N2978/N3007	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3007/N2982	N3007/N2982	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2982/N3011	N2982/N3011	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3011/N2986	N3011/N2986	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3338/N3367	N3338/N3367	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3367/N3342	N3367/N3342	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3342/N3371	N3342/N3371	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3371/N3346	N3371/N3346	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3346/N3375	N3346/N3375	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3375/N3350	N3375/N3350	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3350/N3379	N3350/N3379	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3379/N3354	N3379/N3354	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2986/N3015	N2986/N3015	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3015/N2990	N3015/N2990	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2990/N3019	N2990/N3019	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3019/N2994	N3019/N2994	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2994/N3023	N2994/N3023	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3023/N2998	N3023/N2998	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2998/N3027	N2998/N3027	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3027/N3002	N3027/N3002	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4034/N4060	N4034/N4060	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4034/N4063	N4034/N4063	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4063/N4038	N4063/N4038	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4038/N4067	N4038/N4067	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4067/N4042	N4067/N4042	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3682/N3708	N3682/N3708	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3682/N3711	N3682/N3711	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3711/N3686	N3711/N3686	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3686/N3715	N3686/N3715	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3715/N3690	N3715/N3690	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4042/N4071	N4042/N4071	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4071/N4046	N4071/N4046	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4046/N4075	N4046/N4075	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4075/N4050	N4075/N4050	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4050/N4079	N4050/N4079	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4079/N4054	N4079/N4054	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4054/N4083	N4054/N4083	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4083/N4058	N4083/N4058	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3690/N3719	N3690/N3719	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3719/N3694	N3719/N3694	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3694/N3723	N3694/N3723	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3723/N3698	N3723/N3698	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3698/N3727	N3698/N3727	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3727/N3702	N3727/N3702	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3702/N3731	N3702/N3731	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3731/N3706	N3731/N3706	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4738/N4764	N4738/N4764	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4738/N4767	N4738/N4767	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4767/N4742	N4767/N4742	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4742/N4771	N4742/N4771	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4771/N4746	N4771/N4746	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4386/N4412	N4386/N4412	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4386/N4415	N4386/N4415	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4415/N4390	N4415/N4390	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4390/N4419	N4390/N4419	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4419/N4394	N4419/N4394	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4746/N4775	N4746/N4775	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4775/N4750	N4775/N4750	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4750/N4779	N4750/N4779	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4779/N4754	N4779/N4754	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4754/N4783	N4754/N4783	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4783/N4758	N4783/N4758	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4758/N4787	N4758/N4787	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4787/N4762	N4787/N4762	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4394/N4423	N4394/N4423	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4423/N4398	N4423/N4398	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4398/N4427	N4398/N4427	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4427/N4402	N4427/N4402	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4402/N4431	N4402/N4431	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4431/N4406	N4431/N4406	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4406/N4435	N4406/N4435	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4435/N4410	N4435/N4410	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N5245/N5070	N5245/N5070	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N5245/N5073	N5245/N5073	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5073/N5249	N5073/N5249	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N5249/N5077	N5249/N5077	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5077/N5253	N5077/N5253	CF-60x2.0 (C)	0.094	0.417	0.094	1.00	1.00	-	-
		N5253/N5081	N5253/N5081	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5081/N5257	N5081/N5257	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5257/N5085	N5257/N5085	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5085/N5261	N5085/N5261	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5261/N5089	N5261/N5089	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5089/N5265	N5089/N5265	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5265/N5093	N5265/N5093	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5093/N5269	N5093/N5269	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N1018/N1038	N1018/N1038	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1018/N1040	N1018/N1040	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1040/N1021	N1040/N1021	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1021/N1043	N1021/N1043	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1043/N1024	N1043/N1024	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N698/N718	N698/N718	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N698/N720	N698/N720	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N720/N701	N720/N701	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N701/N723	N701/N723	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N723/N704	N723/N704	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N82/N102	N82/N102	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N82/N104	N82/N104	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N104/N85	N104/N85	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N85/N107	N85/N107	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N107/N88	N107/N88	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N428/N420	N428/N420	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N428/N422	N428/N422	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N422/N431	N422/N431	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N431/N425	N431/N425	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N425/N323	N425/N323	CF-60x2.0 (C)	0.094	0.416	0.095	1.00	1.00	-	-
		N1024/N1046	N1024/N1046	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1046/N1027	N1046/N1027	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1027/N1049	N1027/N1049	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1049/N1030	N1049/N1030	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1030/N1052	N1030/N1052	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1052/N1033	N1052/N1033	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1033/N1055	N1033/N1055	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1055/N1036	N1055/N1036	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N704/N726	N704/N726	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N726/N707	N726/N707	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N707/N729	N707/N729	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N729/N710	N729/N710	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N710/N732	N710/N732	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N732/N713	N732/N713	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N713/N735	N713/N735	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N735/N716	N735/N716	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N88/N110	N88/N110	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N110/N91	N110/N91	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N91/N113	N91/N113	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N113/N94	N113/N94	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N94/N116	N94/N116	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N116/N97	N116/N97	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N97/N119	N97/N119	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N119/N100	N119/N100	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N323/N440	N323/N440	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N440/N436	N440/N436	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N436/N443	N436/N443	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N443/N331	N443/N331	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N331/N451	N331/N451	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N451/N447	N451/N447	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N447/N454	N447/N454	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N454/N339	N454/N339	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N1974/N2000	N1974/N2000	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1974/N2003	N1974/N2003	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2003/N1978	N2003/N1978	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1978/N2007	N1978/N2007	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2007/N1982	N2007/N1982	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N1622/N1648	N1622/N1648	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1622/N1651	N1622/N1651	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1651/N1626	N1651/N1626	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1626/N1655	N1626/N1655	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1655/N1630	N1655/N1630	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N1982/N2011	N1982/N2011	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2011/N1986	N2011/N1986	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1986/N2015	N1986/N2015	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2015/N1990	N2015/N1990	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1990/N2019	N1990/N2019	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2019/N1994	N2019/N1994	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1994/N2023	N1994/N2023	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2023/N1998	N2023/N1998	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1630/N1659	N1630/N1659	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1659/N1634	N1659/N1634	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1634/N1663	N1634/N1663	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1663/N1638	N1663/N1638	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1638/N1667	N1638/N1667	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1667/N1642	N1667/N1642	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1642/N1671	N1642/N1671	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1671/N1646	N1671/N1646	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2678/N2704	N2678/N2704	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2678/N2707	N2678/N2707	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2707/N2682	N2707/N2682	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2682/N2711	N2682/N2711	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2711/N2686	N2711/N2686	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2326/N2352	N2326/N2352	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2326/N2355	N2326/N2355	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2355/N2330	N2355/N2330	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2330/N2359	N2330/N2359	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2359/N2334	N2359/N2334	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2686/N2715	N2686/N2715	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2715/N2690	N2715/N2690	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2690/N2719	N2690/N2719	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2719/N2694	N2719/N2694	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2694/N2723	N2694/N2723	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2723/N2698	N2723/N2698	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2698/N2727	N2698/N2727	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2727/N2702	N2727/N2702	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2334/N2363	N2334/N2363	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2363/N2338	N2363/N2338	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2338/N2367	N2338/N2367	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2367/N2342	N2367/N2342	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2342/N2371	N2342/N2371	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2371/N2346	N2371/N2346	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2346/N2375	N2346/N2375	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2375/N2350	N2375/N2350	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3382/N3408	N3382/N3408	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3382/N3411	N3382/N3411	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3411/N3386	N3411/N3386	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3386/N3415	N3386/N3415	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3415/N3390	N3415/N3390	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3030/N3056	N3030/N3056	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3030/N3059	N3030/N3059	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3059/N3034	N3059/N3034	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3034/N3063	N3034/N3063	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3063/N3038	N3063/N3038	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3390/N3419	N3390/N3419	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3419/N3394	N3419/N3394	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3394/N3423	N3394/N3423	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3423/N3398	N3423/N3398	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3398/N3427	N3398/N3427	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3427/N3402	N3427/N3402	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3402/N3431	N3402/N3431	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3431/N3406	N3431/N3406	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3038/N3067	N3038/N3067	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3067/N3042	N3067/N3042	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3042/N3071	N3042/N3071	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3071/N3046	N3071/N3046	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3046/N3075	N3046/N3075	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3075/N3050	N3075/N3050	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3050/N3079	N3050/N3079	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3079/N3054	N3079/N3054	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4086/N4112	N4086/N4112	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4086/N4115	N4086/N4115	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4115/N4090	N4115/N4090	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4090/N4119	N4090/N4119	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4119/N4094	N4119/N4094	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3734/N3760	N3734/N3760	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3734/N3763	N3734/N3763	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3763/N3738	N3763/N3738	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3738/N3767	N3738/N3767	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3767/N3742	N3767/N3742	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4094/N4123	N4094/N4123	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4123/N4098	N4123/N4098	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4098/N4127	N4098/N4127	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4127/N4102	N4127/N4102	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4102/N4131	N4102/N4131	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4131/N4106	N4131/N4106	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4106/N4135	N4106/N4135	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4135/N4110	N4135/N4110	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3742/N3771	N3742/N3771	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3771/N3746	N3771/N3746	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3746/N3775	N3746/N3775	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3775/N3750	N3775/N3750	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3750/N3779	N3750/N3779	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3779/N3754	N3779/N3754	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3754/N3783	N3754/N3783	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3783/N3758	N3783/N3758	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4790/N4816	N4790/N4816	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4790/N4819	N4790/N4819	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4819/N4794	N4819/N4794	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4794/N4823	N4794/N4823	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4823/N4798	N4823/N4798	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4438/N4464	N4438/N4464	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4438/N4467	N4438/N4467	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4467/N4442	N4467/N4442	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4442/N4471	N4442/N4471	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4471/N4446	N4471/N4446	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4798/N4827	N4798/N4827	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4827/N4802	N4827/N4802	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4802/N4831	N4802/N4831	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4831/N4806	N4831/N4806	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4806/N4835	N4806/N4835	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4835/N4810	N4835/N4810	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4810/N4839	N4810/N4839	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4839/N4814	N4839/N4814	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4446/N4475	N4446/N4475	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4475/N4450	N4475/N4450	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4450/N4479	N4450/N4479	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4479/N4454	N4479/N4454	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4454/N4483	N4454/N4483	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4483/N4458	N4483/N4458	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4458/N4487	N4458/N4487	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4487/N4462	N4487/N4462	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N5271/N5096	N5271/N5096	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N5271/N5099	N5271/N5099	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5099/N5275	N5099/N5275	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N5275/N5103	N5275/N5103	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5103/N5279	N5103/N5279	CF-60x2.0 (C)	0.094	0.417	0.094	1.00	1.00	-	-
		N5279/N5107	N5279/N5107	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5107/N5283	N5107/N5283	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5283/N5111	N5283/N5111	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5111/N5287	N5111/N5287	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5287/N5115	N5287/N5115	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5115/N5291	N5115/N5291	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5291/N5119	N5291/N5119	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5119/N5295	N5119/N5295	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N1179/N1195	N1179/N1195	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1179/N1197	N1179/N1197	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1197/N1182	N1197/N1182	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1182/N1200	N1182/N1200	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1200/N1097	N1200/N1097	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N738/N758	N738/N758	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N738/N760	N738/N760	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N760/N741	N760/N741	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N741/N763	N741/N763	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N763/N744	N763/N744	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N162/N182	N162/N182	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N162/N184	N162/N184	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N184/N165	N184/N165	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N165/N187	N165/N187	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N187/N168	N187/N168	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N502/N494	N502/N494	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N502/N496	N502/N496	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N496/N505	N496/N505	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N505/N499	N505/N499	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N499/N325	N499/N325	CF-60x2.0 (C)	0.094	0.416	0.095	1.00	1.00	-	-
		N1097/N1202	N1097/N1202	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1202/N1189	N1202/N1189	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1189/N1204	N1189/N1204	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1204/N1104	N1204/N1104	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1104/N1209	N1104/N1209	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1209/N1190	N1209/N1190	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1190/N1208	N1190/N1208	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1208/N1113	N1208/N1113	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N744/N766	N744/N766	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N766/N747	N766/N747	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N747/N769	N747/N769	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N769/N750	N769/N750	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N750/N772	N750/N772	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N772/N753	N772/N753	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N753/N775	N753/N775	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N775/N756	N775/N756	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N168/N190	N168/N190	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N190/N171	N190/N171	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N171/N193	N171/N193	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N193/N174	N193/N174	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N174/N196	N174/N196	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N196/N177	N196/N177	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N177/N199	N177/N199	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N199/N180	N199/N180	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N325/N514	N325/N514	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N514/N510	N514/N510	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N510/N517	N510/N517	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N517/N333	N517/N333	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N333/N525	N333/N525	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N525/N521	N525/N521	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N521/N528	N521/N528	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N528/N341	N528/N341	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N2159/N2175	N2159/N2175	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2159/N2177	N2159/N2177	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2177/N2162	N2177/N2162	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2162/N2180	N2162/N2180	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2180/N2077	N2180/N2077	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N1807/N1823	N1807/N1823	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1807/N1825	N1807/N1825	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1825/N1810	N1825/N1810	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1810/N1828	N1810/N1828	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1828/N1725	N1828/N1725	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2077/N2182	N2077/N2182	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2182/N2169	N2182/N2169	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2169/N2184	N2169/N2184	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2184/N2084	N2184/N2084	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2084/N2189	N2084/N2189	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2189/N2170	N2189/N2170	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2170/N2188	N2170/N2188	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2188/N2093	N2188/N2093	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1725/N1830	N1725/N1830	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1830/N1817	N1830/N1817	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1817/N1832	N1817/N1832	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1832/N1732	N1832/N1732	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1732/N1837	N1732/N1837	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1837/N1818	N1837/N1818	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1818/N1836	N1818/N1836	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1836/N1741	N1836/N1741	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2863/N2879	N2863/N2879	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2863/N2881	N2863/N2881	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2881/N2866	N2881/N2866	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2866/N2884	N2866/N2884	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2884/N2781	N2884/N2781	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2511/N2527	N2511/N2527	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2511/N2529	N2511/N2529	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2529/N2514	N2529/N2514	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2514/N2532	N2514/N2532	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2532/N2429	N2532/N2429	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2781/N2886	N2781/N2886	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2886/N2873	N2886/N2873	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2873/N2888	N2873/N2888	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2888/N2788	N2888/N2788	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2788/N2893	N2788/N2893	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2893/N2874	N2893/N2874	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2874/N2892	N2874/N2892	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2892/N2797	N2892/N2797	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2429/N2534	N2429/N2534	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2534/N2521	N2534/N2521	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2521/N2536	N2521/N2536	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2536/N2436	N2536/N2436	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2436/N2541	N2436/N2541	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2541/N2522	N2541/N2522	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2522/N2540	N2522/N2540	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2540/N2445	N2540/N2445	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3567/N3583	N3567/N3583	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3567/N3585	N3567/N3585	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3585/N3570	N3585/N3570	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3570/N3588	N3570/N3588	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3588/N3485	N3588/N3485	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3215/N3231	N3215/N3231	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3215/N3233	N3215/N3233	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3233/N3218	N3233/N3218	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3218/N3236	N3218/N3236	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3236/N3133	N3236/N3133	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3485/N3590	N3485/N3590	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3590/N3577	N3590/N3577	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3577/N3592	N3577/N3592	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3592/N3492	N3592/N3492	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3492/N3597	N3492/N3597	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3597/N3578	N3597/N3578	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3578/N3596	N3578/N3596	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3596/N3501	N3596/N3501	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3133/N3238	N3133/N3238	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3238/N3225	N3238/N3225	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3225/N3240	N3225/N3240	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3240/N3140	N3240/N3140	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3140/N3245	N3140/N3245	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3245/N3226	N3245/N3226	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3226/N3244	N3226/N3244	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3244/N3149	N3244/N3149	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4271/N4287	N4271/N4287	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4271/N4289	N4271/N4289	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4289/N4274	N4289/N4274	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4274/N4292	N4274/N4292	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4292/N4189	N4292/N4189	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3919/N3935	N3919/N3935	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3919/N3937	N3919/N3937	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3937/N3922	N3937/N3922	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3922/N3940	N3922/N3940	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3940/N3837	N3940/N3837	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4189/N4294	N4189/N4294	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4294/N4281	N4294/N4281	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4281/N4296	N4281/N4296	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4296/N4196	N4296/N4196	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4196/N4301	N4196/N4301	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4301/N4282	N4301/N4282	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4282/N4300	N4282/N4300	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4300/N4205	N4300/N4205	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3837/N3942	N3837/N3942	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3942/N3929	N3942/N3929	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3929/N3944	N3929/N3944	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3944/N3844	N3944/N3844	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3844/N3949	N3844/N3949	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3949/N3930	N3949/N3930	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3930/N3948	N3930/N3948	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3948/N3853	N3948/N3853	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4975/N4991	N4975/N4991	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4975/N4993	N4975/N4993	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4993/N4978	N4993/N4978	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4978/N4996	N4978/N4996	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4996/N4893	N4996/N4893	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4623/N4639	N4623/N4639	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4623/N4641	N4623/N4641	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4641/N4626	N4641/N4626	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4626/N4644	N4626/N4644	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4644/N4541	N4644/N4541	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4893/N4998	N4893/N4998	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4998/N4985	N4998/N4985	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4985/N5000	N4985/N5000	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N5000/N4900	N5000/N4900	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4900/N5005	N4900/N5005	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N5005/N4986	N5005/N4986	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4986/N5004	N4986/N5004	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N5004/N4909	N5004/N4909	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4541/N4646	N4541/N4646	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4646/N4633	N4646/N4633	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4633/N4648	N4633/N4648	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4648/N4548	N4648/N4548	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4548/N4653	N4548/N4653	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4653/N4634	N4653/N4634	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4634/N4652	N4634/N4652	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4652/N4557	N4652/N4557	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N5359/N5187	N5359/N5187	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N5359/N5189	N5359/N5189	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N5189/N5362	N5189/N5362	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N5362/N5192	N5362/N5192	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5192/N5321	N5192/N5321	CF-60x2.0 (C)	0.094	0.417	0.094	1.00	1.00	-	-
		N5321/N5194	N5321/N5194	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5194/N5369	N5194/N5369	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5369/N5196	N5369/N5196	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5196/N5324	N5196/N5324	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5324/N5201	N5324/N5201	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5201/N5370	N5201/N5370	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5370/N5200	N5370/N5200	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5200/N5382	N5200/N5382	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N1115/N1147	N1115/N1147	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1115/N1149	N1115/N1149	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1149/N1118	N1149/N1118	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1118/N1152	N1118/N1152	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1152/N1100	N1152/N1100	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N778/N798	N778/N798	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N778/N800	N778/N800	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N800/N781	N800/N781	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N781/N803	N781/N803	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N803/N784	N803/N784	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N202/N222	N202/N222	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N202/N224	N202/N224	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N224/N205	N224/N205	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N205/N227	N205/N227	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N227/N208	N227/N208	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N539/N531	N539/N531	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N539/N533	N539/N533	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N533/N542	N533/N542	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N542/N536	N542/N536	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N536/N326	N536/N326	CF-60x2.0 (C)	0.094	0.416	0.095	1.00	1.00	-	-
		N1100/N1165	N1100/N1165	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1165/N1136	N1165/N1136	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1136/N1167	N1136/N1167	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1167/N1103	N1167/N1103	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1103/N1172	N1103/N1172	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1172/N1137	N1172/N1137	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1137/N1171	N1137/N1171	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1171/N1110	N1171/N1110	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N784/N806	N784/N806	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N806/N787	N806/N787	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N787/N809	N787/N809	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N809/N790	N809/N790	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N790/N812	N790/N812	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N812/N793	N812/N793	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N793/N815	N793/N815	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N815/N796	N815/N796	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N208/N230	N208/N230	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N230/N211	N230/N211	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N211/N233	N211/N233	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N233/N214	N233/N214	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N214/N236	N214/N236	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N236/N217	N236/N217	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N217/N239	N217/N239	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N239/N220	N239/N220	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N326/N551	N326/N551	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N551/N547	N551/N547	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N547/N554	N547/N554	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N554/N334	N554/N334	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N334/N562	N334/N562	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N562/N558	N562/N558	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N558/N565	N558/N565	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N565/N342	N565/N342	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N2095/N2127	N2095/N2127	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2095/N2129	N2095/N2129	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2129/N2098	N2129/N2098	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2098/N2132	N2098/N2132	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2132/N2080	N2132/N2080	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N1743/N1775	N1743/N1775	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1743/N1777	N1743/N1777	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1777/N1746	N1777/N1746	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1746/N1780	N1746/N1780	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1780/N1728	N1780/N1728	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2080/N2145	N2080/N2145	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2145/N2116	N2145/N2116	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2116/N2147	N2116/N2147	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2147/N2083	N2147/N2083	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2083/N2152	N2083/N2152	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2152/N2117	N2152/N2117	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2117/N2151	N2117/N2151	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2151/N2090	N2151/N2090	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1728/N1793	N1728/N1793	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1793/N1764	N1793/N1764	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1764/N1795	N1764/N1795	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1795/N1731	N1795/N1731	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1731/N1800	N1731/N1800	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1800/N1765	N1800/N1765	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1765/N1799	N1765/N1799	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1799/N1738	N1799/N1738	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2799/N2831	N2799/N2831	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2799/N2833	N2799/N2833	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2833/N2802	N2833/N2802	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2802/N2836	N2802/N2836	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2836/N2784	N2836/N2784	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N2447/N2479	N2447/N2479	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2447/N2481	N2447/N2481	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2481/N2450	N2481/N2450	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2450/N2484	N2450/N2484	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2484/N2432	N2484/N2432	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2784/N2849	N2784/N2849	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2849/N2820	N2849/N2820	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2820/N2851	N2820/N2851	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2851/N2787	N2851/N2787	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2787/N2856	N2787/N2856	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2856/N2821	N2856/N2821	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2821/N2855	N2821/N2855	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2855/N2794	N2855/N2794	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2432/N2497	N2432/N2497	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2497/N2468	N2497/N2468	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2468/N2499	N2468/N2499	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2499/N2435	N2499/N2435	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2435/N2504	N2435/N2504	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2504/N2469	N2504/N2469	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2469/N2503	N2469/N2503	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2503/N2442	N2503/N2442	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3503/N3535	N3503/N3535	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3503/N3537	N3503/N3537	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3537/N3506	N3537/N3506	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3506/N3540	N3506/N3540	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3540/N3488	N3540/N3488	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3151/N3183	N3151/N3183	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3151/N3185	N3151/N3185	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3185/N3154	N3185/N3154	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3154/N3188	N3154/N3188	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3188/N3136	N3188/N3136	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3488/N3553	N3488/N3553	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3553/N3524	N3553/N3524	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3524/N3555	N3524/N3555	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3555/N3491	N3555/N3491	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3491/N3560	N3491/N3560	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3560/N3525	N3560/N3525	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3525/N3559	N3525/N3559	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3559/N3498	N3559/N3498	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3136/N3201	N3136/N3201	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3201/N3172	N3201/N3172	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3172/N3203	N3172/N3203	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3203/N3139	N3203/N3139	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3139/N3208	N3139/N3208	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3208/N3173	N3208/N3173	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3173/N3207	N3173/N3207	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3207/N3146	N3207/N3146	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4207/N4239	N4207/N4239	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4207/N4241	N4207/N4241	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4241/N4210	N4241/N4210	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4210/N4244	N4210/N4244	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4244/N4192	N4244/N4192	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3855/N3887	N3855/N3887	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3855/N3889	N3855/N3889	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3889/N3858	N3889/N3858	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3858/N3892	N3858/N3892	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3892/N3840	N3892/N3840	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4192/N4257	N4192/N4257	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4257/N4228	N4257/N4228	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4228/N4259	N4228/N4259	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4259/N4195	N4259/N4195	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4195/N4264	N4195/N4264	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4264/N4229	N4264/N4229	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4229/N4263	N4229/N4263	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4263/N4202	N4263/N4202	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3840/N3905	N3840/N3905	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3905/N3876	N3905/N3876	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3876/N3907	N3876/N3907	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3907/N3843	N3907/N3843	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3843/N3912	N3843/N3912	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3912/N3877	N3912/N3877	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3877/N3911	N3877/N3911	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3911/N3850	N3911/N3850	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4911/N4943	N4911/N4943	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4911/N4945	N4911/N4945	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4945/N4914	N4945/N4914	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4914/N4948	N4914/N4948	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4948/N4896	N4948/N4896	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4559/N4591	N4559/N4591	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4559/N4593	N4559/N4593	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4593/N4562	N4593/N4562	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4562/N4596	N4562/N4596	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4596/N4544	N4596/N4544	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4896/N4961	N4896/N4961	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4961/N4932	N4961/N4932	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4932/N4963	N4932/N4963	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4963/N4899	N4963/N4899	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4899/N4968	N4899/N4968	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4968/N4933	N4968/N4933	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4933/N4967	N4933/N4967	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4967/N4906	N4967/N4906	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4544/N4609	N4544/N4609	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4609/N4580	N4609/N4580	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4580/N4611	N4580/N4611	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4611/N4547	N4611/N4547	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4547/N4616	N4547/N4616	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4616/N4581	N4616/N4581	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4581/N4615	N4581/N4615	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4615/N4554	N4615/N4554	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N5327/N5155	N5327/N5155	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N5327/N5157	N5327/N5157	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5157/N5330	N5157/N5330	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N5330/N5160	N5330/N5160	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5160/N5322	N5160/N5322	CF-60x2.0 (C)	0.094	0.417	0.094	1.00	1.00	-	-
		N5322/N5173	N5322/N5173	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5173/N5348	N5173/N5348	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5348/N5175	N5348/N5175	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5175/N5325	N5175/N5325	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5325/N5180	N5325/N5180	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5180/N5349	N5180/N5349	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5349/N5179	N5349/N5179	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5179/N5390	N5179/N5390	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N1058/N1078	N1058/N1078	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1058/N1080	N1058/N1080	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1080/N1061	N1080/N1061	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1061/N1083	N1061/N1083	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1083/N1064	N1083/N1064	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N818/N838	N818/N838	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N818/N840	N818/N840	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N840/N821	N840/N821	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N821/N843	N821/N843	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N843/N824	N843/N824	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N242/N262	N242/N262	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N242/N264	N242/N264	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N264/N245	N264/N245	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N245/N267	N245/N267	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N267/N248	N267/N248	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N903/N897	N903/N897	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N903/N899	N903/N899	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N899/N906	N899/N906	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N906/N902	N906/N902	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N902/N327	N902/N327	CF-60x2.0 (C)	0.094	0.416	0.095	1.00	1.00	-	-
		N1064/N1086	N1064/N1086	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1086/N1067	N1086/N1067	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1067/N1089	N1067/N1089	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1089/N1070	N1089/N1070	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1070/N1092	N1070/N1092	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1092/N1073	N1092/N1073	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1073/N1095	N1073/N1095	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1095/N1076	N1095/N1076	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N824/N846	N824/N846	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N846/N827	N846/N827	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N827/N849	N827/N849	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N849/N830	N849/N830	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N830/N852	N830/N852	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N852/N833	N852/N833	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N833/N855	N833/N855	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N855/N836	N855/N836	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N248/N270	N248/N270	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N270/N251	N270/N251	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N251/N273	N251/N273	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N273/N254	N273/N254	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N254/N276	N254/N276	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N276/N257	N276/N257	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N257/N279	N257/N279	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N279/N260	N279/N260	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N327/N576	N327/N576	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N576/N572	N576/N572	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N572/N579	N572/N579	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N579/N335	N579/N335	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N335/N587	N335/N587	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N587/N583	N587/N583	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N583/N590	N583/N590	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N590/N343	N590/N343	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N2026/N2052	N2026/N2052	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2026/N2055	N2026/N2055	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2055/N2030	N2055/N2030	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2030/N2059	N2030/N2059	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2059/N2034	N2059/N2034	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N1674/N1700	N1674/N1700	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1674/N1703	N1674/N1703	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1703/N1678	N1703/N1678	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1678/N1707	N1678/N1707	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1707/N1682	N1707/N1682	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2034/N2063	N2034/N2063	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2063/N2038	N2063/N2038	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2038/N2067	N2038/N2067	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2067/N2042	N2067/N2042	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2042/N2071	N2042/N2071	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2071/N2046	N2071/N2046	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2046/N2075	N2046/N2075	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2075/N2050	N2075/N2050	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1682/N1711	N1682/N1711	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1711/N1686	N1711/N1686	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1686/N1715	N1686/N1715	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1715/N1690	N1715/N1690	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1690/N1719	N1690/N1719	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1719/N1694	N1719/N1694	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N1694/N1723	N1694/N1723	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1723/N1698	N1723/N1698	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2730/N2756	N2730/N2756	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2730/N2759	N2730/N2759	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2759/N2734	N2759/N2734	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2734/N2763	N2734/N2763	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2763/N2738	N2763/N2738	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2378/N2404	N2378/N2404	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2378/N2407	N2378/N2407	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2407/N2382	N2407/N2382	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2382/N2411	N2382/N2411	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2411/N2386	N2411/N2386	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2738/N2767	N2738/N2767	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2767/N2742	N2767/N2742	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2742/N2771	N2742/N2771	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2771/N2746	N2771/N2746	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2746/N2775	N2746/N2775	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2775/N2750	N2775/N2750	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2750/N2779	N2750/N2779	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2779/N2754	N2779/N2754	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2386/N2415	N2386/N2415	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2415/N2390	N2415/N2390	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2390/N2419	N2390/N2419	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2419/N2394	N2419/N2394	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2394/N2423	N2394/N2423	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2423/N2398	N2423/N2398	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2398/N2427	N2398/N2427	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2427/N2402	N2427/N2402	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3434/N3460	N3434/N3460	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3434/N3463	N3434/N3463	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3463/N3438	N3463/N3438	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3438/N3467	N3438/N3467	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3467/N3442	N3467/N3442	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3082/N3108	N3082/N3108	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3082/N3111	N3082/N3111	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3111/N3086	N3111/N3086	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3086/N3115	N3086/N3115	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3115/N3090	N3115/N3090	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3442/N3471	N3442/N3471	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3471/N3446	N3471/N3446	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3446/N3475	N3446/N3475	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3475/N3450	N3475/N3450	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3450/N3479	N3450/N3479	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3479/N3454	N3479/N3454	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3454/N3483	N3454/N3483	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3483/N3458	N3483/N3458	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3090/N3119	N3090/N3119	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3119/N3094	N3119/N3094	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3094/N3123	N3094/N3123	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3123/N3098	N3123/N3098	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3098/N3127	N3098/N3127	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3127/N3102	N3127/N3102	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3102/N3131	N3102/N3131	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3131/N3106	N3131/N3106	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4138/N4164	N4138/N4164	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4138/N4167	N4138/N4167	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4167/N4142	N4167/N4142	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4142/N4171	N4142/N4171	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4171/N4146	N4171/N4146	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3786/N3812	N3786/N3812	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3786/N3815	N3786/N3815	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3815/N3790	N3815/N3790	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3790/N3819	N3790/N3819	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3819/N3794	N3819/N3794	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4146/N4175	N4146/N4175	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4175/N4150	N4175/N4150	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4150/N4179	N4150/N4179	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4179/N4154	N4179/N4154	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4154/N4183	N4154/N4183	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4183/N4158	N4183/N4158	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4158/N4187	N4158/N4187	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4187/N4162	N4187/N4162	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3794/N3823	N3794/N3823	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3823/N3798	N3823/N3798	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3798/N3827	N3798/N3827	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3827/N3802	N3827/N3802	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3802/N3831	N3802/N3831	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3831/N3806	N3831/N3806	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3806/N3835	N3806/N3835	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3835/N3810	N3835/N3810	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4842/N4868	N4842/N4868	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4842/N4871	N4842/N4871	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4871/N4846	N4871/N4846	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4846/N4875	N4846/N4875	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4875/N4850	N4875/N4850	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4490/N4516	N4490/N4516	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4490/N4519	N4490/N4519	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4519/N4494	N4519/N4494	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4494/N4523	N4494/N4523	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4523/N4498	N4523/N4498	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4850/N4879	N4850/N4879	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4879/N4854	N4879/N4854	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4854/N4883	N4854/N4883	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4883/N4858	N4883/N4858	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N4858/N4887	N4858/N4887	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4887/N4862	N4887/N4862	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4862/N4891	N4862/N4891	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4891/N4866	N4891/N4866	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4498/N4527	N4498/N4527	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4527/N4502	N4527/N4502	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4502/N4531	N4502/N4531	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4531/N4506	N4531/N4506	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4506/N4535	N4506/N4535	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4535/N4510	N4535/N4510	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4510/N4539	N4510/N4539	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4539/N4514	N4539/N4514	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N5297/N5122	N5297/N5122	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N5297/N5125	N5297/N5125	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5125/N5301	N5125/N5301	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N5301/N5129	N5301/N5129	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5129/N5305	N5129/N5305	CF-60x2.0 (C)	0.094	0.417	0.094	1.00	1.00	-	-
		N5305/N5133	N5305/N5133	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5133/N5309	N5133/N5309	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5309/N5137	N5309/N5137	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5137/N5313	N5137/N5313	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5313/N5141	N5313/N5141	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5141/N5317	N5141/N5317	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5317/N5144	N5317/N5144	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5144/N5320	N5144/N5320	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N122/N142	N122/N142	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N122/N144	N122/N144	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N144/N125	N144/N125	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N125/N147	N125/N147	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N147/N128	N147/N128	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N465/N457	N465/N457	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N465/N459	N465/N459	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N459/N468	N459/N468	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N468/N462	N468/N462	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N462/N324	N462/N324	CF-60x2.0 (C)	0.094	0.416	0.095	1.00	1.00	-	-
		N128/N150	N128/N150	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N150/N131	N150/N131	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N324/N477	N324/N477	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N477/N473	N477/N473	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N473/N480	N473/N480	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N480/N332	N480/N332	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N131/N153	N131/N153	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N153/N134	N153/N134	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N332/N488	N332/N488	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N488/N484	N488/N484	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N134/N156	N134/N156	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N156/N137	N156/N137	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N484/N491	N484/N491	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N491/N340	N491/N340	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N137/N159	N137/N159	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N159/N140	N159/N140	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1121/N1153	N1121/N1153	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1121/N1155	N1121/N1155	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1155/N1124	N1155/N1124	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1124/N1158	N1124/N1158	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1158/N1102	N1158/N1102	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N858/N878	N858/N878	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N858/N880	N858/N880	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N880/N861	N880/N861	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N861/N883	N861/N883	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N883/N864	N883/N864	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N282/N302	N282/N302	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N282/N304	N282/N304	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N304/N285	N304/N285	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N285/N307	N285/N307	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N307/N288	N307/N288	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N5400/N5399	N5400/N5399	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N5400/N5401	N5400/N5401	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5401/N5402	N5401/N5402	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N5402/N5403	N5402/N5403	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5403/N328	N5403/N328	CF-60x2.0 (C)	0.094	0.416	0.095	1.00	1.00	-	-
		N1102/N1160	N1102/N1160	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1160/N1131	N1160/N1131	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1131/N1162	N1131/N1162	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1162/N1107	N1162/N1107	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1107/N1178	N1107/N1178	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1178/N1142	N1178/N1142	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1142/N1175	N1142/N1175	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1175/N1111	N1175/N1111	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N864/N886	N864/N886	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N886/N867	N886/N867	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N867/N889	N867/N889	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N889/N870	N889/N870	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N870/N892	N870/N892	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N892/N873	N892/N873	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N873/N895	N873/N895	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N895/N876	N895/N876	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N288/N310	N288/N310	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N310/N291	N310/N291	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N291/N313	N291/N313	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N313/N294	N313/N294	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N294/N316	N294/N316	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N316/N297	N316/N297	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N297/N319	N297/N319	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N319/N300	N319/N300	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N328/N601	N328/N601	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N601/N597	N601/N597	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N597/N604	N597/N604	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N604/N336	N604/N336	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N336/N612	N336/N612	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N612/N608	N612/N608	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N608/N615	N608/N615	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N615/N344	N615/N344	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-
		N2101/N2133	N2101/N2133	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2101/N2135	N2101/N2135	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2135/N2104	N2135/N2104	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2104/N2138	N2104/N2138	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2138/N2082	N2138/N2082	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N1749/N1781	N1749/N1781	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N1749/N1783	N1749/N1783	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1783/N1752	N1783/N1752	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N1752/N1786	N1752/N1786	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1786/N1730	N1786/N1730	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2082/N2140	N2082/N2140	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2140/N2111	N2140/N2111	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2111/N2142	N2111/N2142	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2142/N2087	N2142/N2087	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2087/N2158	N2087/N2158	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2158/N2122	N2158/N2122	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2122/N2155	N2122/N2155	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2155/N2091	N2155/N2091	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1730/N1788	N1730/N1788	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1788/N1759	N1788/N1759	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1759/N1790	N1759/N1790	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1790/N1735	N1790/N1735	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N1735/N1806	N1735/N1806	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1806/N1770	N1806/N1770	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N1770/N1803	N1770/N1803	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N1803/N1739	N1803/N1739	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2805/N2837	N2805/N2837	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2805/N2839	N2805/N2839	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2839/N2808	N2839/N2808	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2808/N2842	N2808/N2842	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2842/N2786	N2842/N2786	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2453/N2485	N2453/N2485	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N2453/N2487	N2453/N2487	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2487/N2456	N2487/N2456	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N2456/N2490	N2456/N2490	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2490/N2434	N2490/N2434	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N2786/N2844	N2786/N2844	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2844/N2815	N2844/N2815	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2815/N2846	N2815/N2846	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2846/N2791	N2846/N2791	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2791/N2862	N2791/N2862	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2862/N2826	N2862/N2826	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2826/N2859	N2826/N2859	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2859/N2795	N2859/N2795	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2434/N2492	N2434/N2492	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2492/N2463	N2492/N2463	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2463/N2494	N2463/N2494	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2494/N2439	N2494/N2439	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N2439/N2510	N2439/N2510	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2510/N2474	N2510/N2474	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N2474/N2507	N2474/N2507	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N2507/N2443	N2507/N2443	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3509/N3541	N3509/N3541	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3509/N3543	N3509/N3543	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3543/N3512	N3543/N3512	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3512/N3546	N3512/N3546	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3546/N3490	N3546/N3490	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3157/N3189	N3157/N3189	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3157/N3191	N3157/N3191	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3191/N3160	N3191/N3160	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3160/N3194	N3160/N3194	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3194/N3138	N3194/N3138	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3490/N3548	N3490/N3548	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3548/N3519	N3548/N3519	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3519/N3550	N3519/N3550	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3550/N3495	N3550/N3495	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3495/N3566	N3495/N3566	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3566/N3530	N3566/N3530	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3530/N3563	N3530/N3563	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3563/N3499	N3563/N3499	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3138/N3196	N3138/N3196	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3196/N3167	N3196/N3167	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3167/N3198	N3167/N3198	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3198/N3143	N3198/N3143	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3143/N3214	N3143/N3214	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3214/N3178	N3214/N3178	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3178/N3211	N3178/N3211	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3211/N3147	N3211/N3147	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4213/N4245	N4213/N4245	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4213/N4247	N4213/N4247	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4247/N4216	N4247/N4216	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4216/N4250	N4216/N4250	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4250/N4194	N4250/N4194	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N3861/N3893	N3861/N3893	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N3861/N3895	N3861/N3895	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-

Descripción												
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)			β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designación				Indeformable origen	Deformable	Indeformable extremo				
		N3895/N3864	N3895/N3864	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N3864/N3898	N3864/N3898	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3898/N3842	N3898/N3842	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4194/N4252	N4194/N4252	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4252/N4223	N4252/N4223	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4223/N4254	N4223/N4254	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4254/N4199	N4254/N4199	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4199/N4270	N4199/N4270	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4270/N4234	N4270/N4234	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4234/N4267	N4234/N4267	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4267/N4203	N4267/N4203	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3842/N3900	N3842/N3900	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3900/N3871	N3900/N3871	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3871/N3902	N3871/N3902	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3902/N3847	N3902/N3847	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N3847/N3918	N3847/N3918	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3918/N3882	N3918/N3882	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N3882/N3915	N3882/N3915	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N3915/N3851	N3915/N3851	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4917/N4949	N4917/N4949	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4917/N4951	N4917/N4951	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4951/N4920	N4951/N4920	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4920/N4954	N4920/N4954	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4954/N4898	N4954/N4898	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4565/N4597	N4565/N4597	CF-60x2.0 (C)	0.051	0.623	0.051	1.00	1.00	-	-
		N4565/N4599	N4565/N4599	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4599/N4568	N4599/N4568	CF-60x2.0 (C)	0.059	0.730	0.059	1.00	1.00	-	-
		N4568/N4602	N4568/N4602	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4602/N4546	N4602/N4546	CF-60x2.0 (C)	0.062	0.684	0.140	1.00	1.00	-	-
		N4898/N4956	N4898/N4956	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4956/N4927	N4956/N4927	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4927/N4958	N4927/N4958	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4958/N4903	N4958/N4903	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4903/N4974	N4903/N4974	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4974/N4938	N4974/N4938	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4938/N4971	N4938/N4971	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4971/N4907	N4971/N4907	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4546/N4604	N4546/N4604	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4604/N4575	N4604/N4575	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4575/N4606	N4575/N4606	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4606/N4551	N4606/N4551	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N4551/N4622	N4551/N4622	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4622/N4586	N4622/N4586	CF-60x2.0 (C)	0.060	0.733	0.060	1.00	1.00	-	-
		N4586/N4619	N4586/N4619	CF-60x2.0 (C)	0.080	0.980	0.080	1.00	1.00	-	-
		N4619/N4555	N4619/N4555	CF-60x2.0 (C)	0.060	0.641	0.152	1.00	1.00	-	-
		N5333/N5161	N5333/N5161	CF-60x2.0 (C)	0.051	0.223	0.051	1.00	1.00	-	-
		N5333/N5163	N5333/N5163	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5163/N5336	N5163/N5336	CF-60x2.0 (C)	0.085	0.377	0.085	1.00	1.00	-	-
		N5336/N5166	N5336/N5166	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5166/N5323	N5166/N5323	CF-60x2.0 (C)	0.094	0.417	0.094	1.00	1.00	-	-
		N5323/N5168	N5323/N5168	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5168/N5343	N5168/N5343	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5343/N5170	N5343/N5170	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5170/N5326	N5170/N5326	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5326/N5186	N5326/N5186	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5186/N5354	N5186/N5354	CF-60x2.0 (C)	0.086	0.383	0.086	1.00	1.00	-	-
		N5354/N5183	N5354/N5183	CF-60x2.0 (C)	0.146	0.646	0.146	1.00	1.00	-	-
		N5183/N5398	N5183/N5398	CF-60x2.0 (C)	0.086	0.370	0.099	1.00	1.00	-	-

Notación:
Ni: Nudo inicial
Nf: Nudo final
β_{xy}*: Coeficiente de pandeo en el plano 'XY'*
β_{xz}*: Coeficiente de pandeo en el plano 'XZ'*
$Lb_{Sup.}$*: Separación entre arriostramientos del ala superior*
$Lb_{Inf.}$*: Separación entre arriostramientos del ala inferior*

1.1.1.3. Tabla de medición

Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
Acero conformado	A572 50ksi	N1/N8	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N8/N14	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N14/N20	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N21/N28	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N28/N34	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N34/N40	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N41/N48	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N48/N54	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N54/N60	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N61/N68	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N68/N74	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N74/N80	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N81/N88	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N88/N94	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N94/N100	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N101/N108	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N108/N114	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N114/N120	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N161/N168	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N168/N174	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N174/N180	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N181/N188	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N188/N194	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N194/N200	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N241/N248	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N248/N254	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N254/N260	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N261/N268	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N268/N274	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N274/N280	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N28/N8	40x80x2 (#)	0.725	0.000	2.58
		N28/N48	40x80x2 (#)	2.315	0.001	8.24
		N48/N68	40x80x2 (#)	0.725	0.000	2.58
		N8/N68	40x80x2 (#)	2.315	0.001	8.24
		N48/N88	40x80x2 (#)	2.315	0.001	8.24
		N88/N108	40x80x2 (#)	0.725	0.000	2.58
		N68/N108	40x80x2 (#)	2.315	0.001	8.24
		N88/N128	40x80x2 (#)	1.075	0.000	3.83
		N108/N148	40x80x2 (#)	1.075	0.000	3.83
		N128/N148	40x80x2 (#)	0.725	0.000	2.58
		N128/N168	40x80x2 (#)	1.240	0.001	4.41
		N168/N188	40x80x2 (#)	0.725	0.000	2.58
		N188/N228	40x80x2 (#)	1.575	0.001	5.61
		N208/N228	40x80x2 (#)	0.725	0.000	2.58
		N168/N208	40x80x2 (#)	1.575	0.001	5.61
		N228/N268	40x80x2 (#)	2.315	0.001	8.24
		N248/N268	40x80x2 (#)	0.725	0.000	2.58
		N208/N248	40x80x2 (#)	2.315	0.001	8.24
		N268/N308	40x80x2 (#)	2.315	0.001	8.24
		N288/N308	40x80x2 (#)	0.725	0.000	2.58
		N248/N288	40x80x2 (#)	2.315	0.001	8.24
		N34/N14	40x80x2 (#)	0.725	0.000	2.58
		N14/N74	40x80x2 (#)	2.315	0.001	8.24
		N34/N54	40x80x2 (#)	2.315	0.001	8.24
		N14/N74	40x80x2 (#)	2.315	0.001	8.24
		N34/N54	40x80x2 (#)	2.315	0.001	8.24
		N54/N74	40x80x2 (#)	0.725	0.000	2.58
		N54/N94	40x80x2 (#)	2.315	0.001	8.24
		N74/N114	40x80x2 (#)	2.315	0.001	8.24
		N94/N114	40x80x2 (#)	0.725	0.000	2.58
		N94/N134	40x80x2 (#)	1.075	0.000	3.83
		N114/N154	40x80x2 (#)	1.075	0.000	3.83
		N134/N154	40x80x2 (#)	0.725	0.000	2.58
		N134/N174	40x80x2 (#)	1.240	0.001	4.41
		N174/N214	40x80x2 (#)	1.575	0.001	5.61
		N194/N234	40x80x2 (#)	1.575	0.001	5.61
		N214/N234	40x80x2 (#)	0.725	0.000	2.58
		N234/N274	40x80x2 (#)	2.315	0.001	8.24
		N254/N274	40x80x2 (#)	0.725	0.000	2.58
		N214/N254	40x80x2 (#)	2.315	0.001	8.24
		N254/N294	40x80x2 (#)	2.315	0.001	8.24
		N274/N314	40x80x2 (#)	2.315	0.001	8.24
		N294/N314	40x80x2 (#)	0.725	0.000	2.58
		N174/N194	40x80x2 (#)	0.725	0.000	2.58
		N40/N20	40x80x2 (#)	0.725	0.000	2.58
		N60/N80	40x80x2 (#)	0.725	0.000	2.58
		N100/N120	40x80x2 (#)	0.725	0.000	2.58
		N140/N160	40x80x2 (#)	0.725	0.000	2.58
		N220/N240	40x80x2 (#)	0.725	0.000	2.58
		N260/N280	40x80x2 (#)	0.725	0.000	2.58
		N300/N320	40x80x2 (#)	0.725	0.000	2.58
		N180/N200	40x80x2 (#)	0.725	0.000	2.58
		N22/N42	40x60x1.5 (#)	2.315	0.001	5.18
		N23/N43	40x60x1.5 (#)	2.315	0.001	5.18
		N24/N44	40x60x1.5 (#)	2.315	0.001	5.18
		N25/N45	40x60x1.5 (#)	2.315	0.001	5.18
		N26/N46	40x60x1.5 (#)	2.315	0.001	5.18
		N27/N47	40x60x1.5 (#)	2.315	0.001	5.18
		N42/N82	40x60x1.5 (#)	2.315	0.001	5.18
		N43/N83	40x60x1.5 (#)	2.315	0.001	5.18
		N44/N84	40x60x1.5 (#)	2.315	0.001	5.18
		N45/N85	40x60x1.5 (#)	2.315	0.001	5.18
		N46/N86	40x60x1.5 (#)	2.315	0.001	5.18
		N47/N87	40x60x1.5 (#)	2.315	0.001	5.18
		N82/N122	40x60x1.5 (#)	1.075	0.000	2.41
		N83/N123	40x60x1.5 (#)	1.075	0.000	2.41
		N84/N124	40x60x1.5 (#)	1.075	0.000	2.41
		N85/N125	40x60x1.5 (#)	1.075	0.000	2.41
		N86/N126	40x60x1.5 (#)	1.075	0.000	2.41
		N87/N127	40x60x1.5 (#)	1.075	0.000	2.41
		N202/N242	40x60x1.5 (#)	2.315	0.001	5.18
		N203/N243	40x60x1.5 (#)	2.315	0.001	5.18
		N204/N244	40x60x1.5 (#)	2.315	0.001	5.18
		N205/N245	40x60x1.5 (#)	2.315	0.001	5.18
		N206/N246	40x60x1.5 (#)	2.315	0.001	5.18
		N207/N247	40x60x1.5 (#)	2.315	0.001	5.18
		N242/N282	40x60x1.5 (#)	2.315	0.001	5.18
		N243/N283	40x60x1.5 (#)	2.315	0.001	5.18
		N244/N284	40x60x1.5 (#)	2.315	0.001	5.18
		N245/N285	40x60x1.5 (#)	2.315	0.001	5.18
		N246/N286	40x60x1.5 (#)	2.315	0.001	5.18
		N247/N287	40x60x1.5 (#)	2.315	0.001	5.18
		N249/N289	40x60x1.5 (#)	2.315	0.001	5.18
		N250/N290	40x60x1.5 (#)	2.315	0.001	5.18
		N252/N292	40x60x1.5 (#)	2.315	0.001	5.18
		N253/N293	40x60x1.5 (#)	2.315	0.001	5.18
		N251/N291	40x60x1.5 (#)	2.315	0.001	5.18
		N209/N249	40x60x1.5 (#)	2.315	0.001	5.18
		N210/N250	40x60x1.5 (#)	2.315	0.001	5.18
		N212/N252	40x60x1.5 (#)	2.315	0.001	5.18
		N213/N253	40x60x1.5 (#)	2.315	0.001	5.18
		N211/N251	40x60x1.5 (#)	2.315	0.001	5.18
		N89/N129	40x60x1.5 (#)	1.075	0.000	2.41
		N90/N130	40x60x1.5 (#)	1.075	0.000	2.41

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N92/N132	40x60x1.5 (#)	1.075	0.000	2.41
		N93/N133	40x60x1.5 (#)	1.075	0.000	2.41
		N91/N131	40x60x1.5 (#)	1.075	0.000	2.41
		N49/N89	40x60x1.5 (#)	2.315	0.001	5.18
		N50/N90	40x60x1.5 (#)	2.315	0.001	5.18
		N52/N92	40x60x1.5 (#)	2.315	0.001	5.18
		N53/N93	40x60x1.5 (#)	2.315	0.001	5.18
		N51/N91	40x60x1.5 (#)	2.315	0.001	5.18
		N29/N49	40x60x1.5 (#)	2.315	0.001	5.18
		N30/N50	40x60x1.5 (#)	2.315	0.001	5.18
		N32/N52	40x60x1.5 (#)	2.315	0.001	5.18
		N33/N53	40x60x1.5 (#)	2.315	0.001	5.18
		N31/N51	40x60x1.5 (#)	2.315	0.001	5.18
		N37/N57	40x60x1.5 (#)	2.315	0.001	5.18
		N38/N58	40x60x1.5 (#)	2.315	0.001	5.18
		N39/N59	40x60x1.5 (#)	2.315	0.001	5.18
		N36/N56	40x60x1.5 (#)	2.315	0.001	5.18
		N35/N55	40x60x1.5 (#)	2.315	0.001	5.18
		N57/N97	40x60x1.5 (#)	2.315	0.001	5.18
		N58/N98	40x60x1.5 (#)	2.315	0.001	5.18
		N59/N99	40x60x1.5 (#)	2.315	0.001	5.18
		N56/N96	40x60x1.5 (#)	2.315	0.001	5.18
		N55/N95	40x60x1.5 (#)	2.315	0.001	5.18
		N97/N137	40x60x1.5 (#)	1.075	0.000	2.41
		N98/N138	40x60x1.5 (#)	1.075	0.000	2.41
		N99/N139	40x60x1.5 (#)	1.075	0.000	2.41
		N96/N136	40x60x1.5 (#)	1.075	0.000	2.41
		N95/N135	40x60x1.5 (#)	1.075	0.000	2.41
		N217/N257	40x60x1.5 (#)	2.315	0.001	5.18
		N218/N258	40x60x1.5 (#)	2.315	0.001	5.18
		N219/N259	40x60x1.5 (#)	2.315	0.001	5.18
		N216/N256	40x60x1.5 (#)	2.315	0.001	5.18
		N215/N255	40x60x1.5 (#)	2.315	0.001	5.18
		N257/N297	40x60x1.5 (#)	2.315	0.001	5.18
		N259/N299	40x60x1.5 (#)	2.315	0.001	5.18
		N258/N298	40x60x1.5 (#)	2.315	0.001	5.18
		N255/N295	40x60x1.5 (#)	2.315	0.001	5.18
		N256/N296	40x60x1.5 (#)	2.315	0.001	5.18
		N2/N62	40x60x1.5 (#)	2.315	0.001	5.18
		N3/N63	40x60x1.5 (#)	2.315	0.001	5.18
		N4/N64	40x60x1.5 (#)	2.315	0.001	5.18
		N5/N65	40x60x1.5 (#)	2.315	0.001	5.18
		N6/N66	40x60x1.5 (#)	2.315	0.001	5.18
		N7/N67	40x60x1.5 (#)	2.315	0.001	5.18
		N62/N102	40x60x1.5 (#)	2.315	0.001	5.18
		N63/N103	40x60x1.5 (#)	2.315	0.001	5.18
		N64/N104	40x60x1.5 (#)	2.315	0.001	5.18
		N65/N105	40x60x1.5 (#)	2.315	0.001	5.18
		N66/N106	40x60x1.5 (#)	2.315	0.001	5.18
		N67/N107	40x60x1.5 (#)	2.315	0.001	5.18
		N102/N142	40x60x1.5 (#)	1.075	0.000	2.41
		N103/N143	40x60x1.5 (#)	1.075	0.000	2.41
		N104/N144	40x60x1.5 (#)	1.075	0.000	2.41
		N105/N145	40x60x1.5 (#)	1.075	0.000	2.41
		N106/N146	40x60x1.5 (#)	1.075	0.000	2.41
		N107/N147	40x60x1.5 (#)	1.075	0.000	2.41
		N222/N262	40x60x1.5 (#)	2.315	0.001	5.18
		N223/N263	40x60x1.5 (#)	2.315	0.001	5.18
		N224/N264	40x60x1.5 (#)	2.315	0.001	5.18
		N225/N265	40x60x1.5 (#)	2.315	0.001	5.18
		N226/N266	40x60x1.5 (#)	2.315	0.001	5.18
		N227/N267	40x60x1.5 (#)	2.315	0.001	5.18
		N262/N302	40x60x1.5 (#)	2.315	0.001	5.18
		N263/N303	40x60x1.5 (#)	2.315	0.001	5.18
		N264/N304	40x60x1.5 (#)	2.315	0.001	5.18
		N265/N305	40x60x1.5 (#)	2.315	0.001	5.18
		N266/N306	40x60x1.5 (#)	2.315	0.001	5.18
		N267/N307	40x60x1.5 (#)	2.315	0.001	5.18
		N269/N309	40x60x1.5 (#)	2.315	0.001	5.18
		N270/N310	40x60x1.5 (#)	2.315	0.001	5.18
		N272/N312	40x60x1.5 (#)	2.315	0.001	5.18
		N273/N313	40x60x1.5 (#)	2.315	0.001	5.18
		N271/N311	40x60x1.5 (#)	2.315	0.001	5.18
		N229/N269	40x60x1.5 (#)	2.315	0.001	5.18
		N230/N270	40x60x1.5 (#)	2.315	0.001	5.18
		N232/N272	40x60x1.5 (#)	2.315	0.001	5.18
		N233/N273	40x60x1.5 (#)	2.315	0.001	5.18
		N231/N271	40x60x1.5 (#)	2.315	0.001	5.18
		N109/N149	40x60x1.5 (#)	1.075	0.000	2.41
		N110/N150	40x60x1.5 (#)	1.075	0.000	2.41
		N112/N152	40x60x1.5 (#)	1.075	0.000	2.41
		N113/N153	40x60x1.5 (#)	1.075	0.000	2.41
		N111/N151	40x60x1.5 (#)	1.075	0.000	2.41
		N69/N109	40x60x1.5 (#)	2.315	0.001	5.18
		N70/N110	40x60x1.5 (#)	2.315	0.001	5.18
		N72/N112	40x60x1.5 (#)	2.315	0.001	5.18
		N73/N113	40x60x1.5 (#)	2.315	0.001	5.18
		N71/N111	40x60x1.5 (#)	2.315	0.001	5.18
		N9/N69	40x60x1.5 (#)	2.315	0.001	5.18
		N10/N70	40x60x1.5 (#)	2.315	0.001	5.18
		N12/N72	40x60x1.5 (#)	2.315	0.001	5.18
		N13/N73	40x60x1.5 (#)	2.315	0.001	5.18
		N11/N71	40x60x1.5 (#)	2.315	0.001	5.18
		N17/N77	40x60x1.5 (#)	2.315	0.001	5.18
		N18/N78	40x60x1.5 (#)	2.315	0.001	5.18
		N19/N79	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N16/N76	40x60x1.5 (#)	2.315	0.001	5.18
		N15/N75	40x60x1.5 (#)	2.315	0.001	5.18
		N77/N117	40x60x1.5 (#)	2.315	0.001	5.18
		N78/N118	40x60x1.5 (#)	2.315	0.001	5.18
		N79/N119	40x60x1.5 (#)	2.315	0.001	5.18
		N76/N116	40x60x1.5 (#)	2.315	0.001	5.18
		N75/N115	40x60x1.5 (#)	2.315	0.001	5.18
		N117/N157	40x60x1.5 (#)	1.075	0.000	2.41
		N118/N158	40x60x1.5 (#)	1.075	0.000	2.41
		N119/N159	40x60x1.5 (#)	1.075	0.000	2.41
		N116/N156	40x60x1.5 (#)	1.075	0.000	2.41
		N115/N155	40x60x1.5 (#)	1.075	0.000	2.41
		N237/N277	40x60x1.5 (#)	2.315	0.001	5.18
		N238/N278	40x60x1.5 (#)	2.315	0.001	5.18
		N239/N279	40x60x1.5 (#)	2.315	0.001	5.18
		N236/N276	40x60x1.5 (#)	2.315	0.001	5.18
		N235/N275	40x60x1.5 (#)	2.315	0.001	5.18
		N277/N317	40x60x1.5 (#)	2.315	0.001	5.18
		N279/N319	40x60x1.5 (#)	2.315	0.001	5.18
		N278/N318	40x60x1.5 (#)	2.315	0.001	5.18
		N275/N315	40x60x1.5 (#)	2.315	0.001	5.18
		N276/N316	40x60x1.5 (#)	2.315	0.001	5.18
		N8/N321	40x80x2 (#)	1.075	0.000	3.83
		N68/N322	40x80x2 (#)	1.075	0.000	3.83
		N108/N323	40x80x2 (#)	1.075	0.000	3.83
		N148/N324	40x80x2 (#)	1.075	0.000	3.83
		N188/N325	40x80x2 (#)	1.075	0.000	3.83
		N228/N326	40x80x2 (#)	1.075	0.000	3.83
		N268/N327	40x80x2 (#)	1.075	0.000	3.83
		N308/N328	40x80x2 (#)	1.075	0.000	3.83
		N14/N329	40x80x2 (#)	1.075	0.000	3.83
		N74/N330	40x80x2 (#)	1.075	0.000	3.83
		N114/N331	40x80x2 (#)	1.075	0.000	3.83
		N154/N332	40x80x2 (#)	1.075	0.000	3.83
		N194/N333	40x80x2 (#)	1.075	0.000	3.83
		N234/N334	40x80x2 (#)	1.075	0.000	3.83
		N274/N335	40x80x2 (#)	1.075	0.000	3.83
		N314/N336	40x80x2 (#)	1.075	0.000	3.83
		N20/N337	40x80x2 (#)	1.075	0.000	3.83
		N80/N338	40x80x2 (#)	1.075	0.000	3.83
		N120/N339	40x80x2 (#)	1.075	0.000	3.83
		N160/N340	40x80x2 (#)	1.075	0.000	3.83
		N200/N341	40x80x2 (#)	1.075	0.000	3.83
		N240/N342	40x80x2 (#)	1.075	0.000	3.83
		N280/N343	40x80x2 (#)	1.075	0.000	3.83
		N320/N344	40x80x2 (#)	1.075	0.000	3.83
		N345/N321	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N321/N329	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N329/N337	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N362/N369	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N369/N375	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N375/N381	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N382/N389	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N390/N322	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N322/N330	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N389/N407	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N330/N338	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N407/N418	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N419/N426	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N427/N323	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N323/N331	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N426/N444	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N331/N339	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N444/N455	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N493/N500	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N501/N325	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N325/N333	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N500/N518	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N333/N341	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N518/N529	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N530/N537	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N538/N326	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N326/N334	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N537/N555	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N334/N342	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N555/N566	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N321/N369	40x80x2 (#)	0.325	0.000	1.16
		N321/N322	40x80x2 (#)	2.315	0.001	8.24
		N322/N389	40x80x2 (#)	0.325	0.000	1.16
		N369/N389	40x80x2 (#)	2.315	0.001	8.24
		N322/N323	40x80x2 (#)	2.315	0.001	8.24
		N323/N324	40x80x2 (#)	1.075	0.000	3.83
		N325/N326	40x80x2 (#)	1.575	0.001	5.61
		N326/N327	150x50x4.0 (Rectangular_Colmmmena)	2.315	0.003	27.40
		N327/N328	40x80x2 (#)	2.315	0.001	8.24
		N328/N593	40x80x2 (#)	0.325	0.000	1.16
		N568/N593	40x80x2 (#)	2.315	0.001	8.24
		N327/N568	40x80x2 (#)	0.325	0.000	1.16
		N326/N537	40x80x2 (#)	0.325	0.000	1.16
		N500/N537	40x80x2 (#)	1.575	0.001	5.61
		N325/N500	40x80x2 (#)	0.325	0.000	1.16
		N324/N463	40x80x2 (#)	0.325	0.000	1.16
		N426/N463	40x80x2 (#)	1.075	0.000	3.83
		N323/N426	40x80x2 (#)	0.325	0.000	1.16
		N389/N426	40x80x2 (#)	2.315	0.001	8.24
		N329/N375	40x80x2 (#)	0.325	0.000	1.16

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N375/N407	40x80x2 (#)	2.315	0.001	8.24
		N329/N330	40x80x2 (#)	2.315	0.001	8.24
		N330/N407	40x80x2 (#)	0.325	0.000	1.16
		N330/N331	40x80x2 (#)	2.315	0.001	8.24
		N407/N444	40x80x2 (#)	2.315	0.001	8.24
		N331/N332	40x80x2 (#)	1.075	0.000	3.83
		N333/N518	40x80x2 (#)	0.325	0.000	1.16
		N332/N481	40x80x2 (#)	0.325	0.000	1.16
		N444/N481	40x80x2 (#)	1.075	0.000	3.83
		N331/N444	40x80x2 (#)	0.325	0.000	1.16
		N333/N334	40x80x2 (#)	1.575	0.001	5.61
		N518/N555	40x80x2 (#)	1.575	0.001	5.61
		N334/N335	150x50x4.0 (Rectangular_Colmmmena)	2.315	0.003	27.40
		N335/N580	40x80x2 (#)	0.325	0.000	1.16
		N334/N555	40x80x2 (#)	0.325	0.000	1.16
		N335/N336	40x80x2 (#)	2.315	0.001	8.24
		N580/N605	40x80x2 (#)	2.315	0.001	8.24
		N336/N605	40x80x2 (#)	0.325	0.000	1.16
		N337/N381	40x80x2 (#)	0.325	0.000	1.16
		N338/N418	40x80x2 (#)	0.325	0.000	1.16
		N341/N529	40x80x2 (#)	0.325	0.000	1.16
		N340/N492	40x80x2 (#)	0.325	0.000	1.16
		N339/N455	40x80x2 (#)	0.325	0.000	1.16
		N343/N591	40x80x2 (#)	0.325	0.000	1.16
		N342/N566	40x80x2 (#)	0.325	0.000	1.16
		N344/N616	40x80x2 (#)	0.325	0.000	1.16
		N346/N391	40x60x1.5 (#)	2.315	0.001	5.18
		N391/N428	40x60x1.5 (#)	2.315	0.001	5.18
		N428/N465	40x60x1.5 (#)	1.075	0.000	2.41
		N347/N392	40x60x1.5 (#)	2.315	0.001	5.18
		N392/N429	40x60x1.5 (#)	2.315	0.001	5.18
		N429/N466	40x60x1.5 (#)	1.075	0.000	2.41
		N348/N393	40x60x1.5 (#)	2.315	0.001	5.18
		N393/N430	40x60x1.5 (#)	2.315	0.001	5.18
		N430/N467	40x60x1.5 (#)	1.075	0.000	2.41
		N349/N394	40x60x1.5 (#)	2.315	0.001	5.18
		N394/N431	40x60x1.5 (#)	2.315	0.001	5.18
		N431/N468	40x60x1.5 (#)	1.075	0.000	2.41
		N350/N395	40x60x1.5 (#)	2.315	0.001	5.18
		N395/N432	40x60x1.5 (#)	2.315	0.001	5.18
		N432/N469	40x60x1.5 (#)	1.075	0.000	2.41
		N351/N396	40x60x1.5 (#)	2.315	0.001	5.18
		N396/N433	40x60x1.5 (#)	2.315	0.001	5.18
		N433/N470	40x60x1.5 (#)	1.075	0.000	2.41
		N352/N397	40x60x1.5 (#)	2.315	0.001	5.18
		N397/N434	40x60x1.5 (#)	2.315	0.001	5.18
		N434/N471	40x60x1.5 (#)	1.075	0.000	2.41
		N570/N595	40x60x1.5 (#)	2.315	0.001	5.18
		N353/N398	40x60x1.5 (#)	2.315	0.001	5.18
		N398/N435	40x60x1.5 (#)	2.315	0.001	5.18
		N435/N472	40x60x1.5 (#)	1.075	0.000	2.41
		N571/N596	40x60x1.5 (#)	2.315	0.001	5.18
		N355/N400	40x60x1.5 (#)	2.315	0.001	5.18
		N400/N437	40x60x1.5 (#)	2.315	0.001	5.18
		N437/N474	40x60x1.5 (#)	1.075	0.000	2.41
		N573/N598	40x60x1.5 (#)	2.315	0.001	5.18
		N356/N401	40x60x1.5 (#)	2.315	0.001	5.18
		N401/N438	40x60x1.5 (#)	2.315	0.001	5.18
		N438/N475	40x60x1.5 (#)	1.075	0.000	2.41
		N574/N599	40x60x1.5 (#)	2.315	0.001	5.18
		N354/N399	40x60x1.5 (#)	2.315	0.001	5.18
		N399/N436	40x60x1.5 (#)	2.315	0.001	5.18
		N436/N473	40x60x1.5 (#)	1.075	0.000	2.41
		N572/N597	40x60x1.5 (#)	2.315	0.001	5.18
		N359/N410	40x60x1.5 (#)	2.315	0.001	5.18
		N410/N447	40x60x1.5 (#)	2.315	0.001	5.18
		N447/N484	40x60x1.5 (#)	1.075	0.000	2.41
		N583/N608	40x60x1.5 (#)	2.315	0.001	5.18
		N360/N411	40x60x1.5 (#)	2.315	0.001	5.18
		N361/N412	40x60x1.5 (#)	2.315	0.001	5.18
		N411/N448	40x60x1.5 (#)	2.315	0.001	5.18
		N412/N449	40x60x1.5 (#)	2.315	0.001	5.18
		N448/N485	40x60x1.5 (#)	1.075	0.000	2.41
		N449/N486	40x60x1.5 (#)	1.075	0.000	2.41
		N585/N610	40x60x1.5 (#)	2.315	0.001	5.18
		N584/N609	40x60x1.5 (#)	2.315	0.001	5.18
		N358/N409	40x60x1.5 (#)	2.315	0.001	5.18
		N357/N408	40x60x1.5 (#)	2.315	0.001	5.18
		N409/N446	40x60x1.5 (#)	2.315	0.001	5.18
		N408/N445	40x60x1.5 (#)	2.315	0.001	5.18
		N446/N483	40x60x1.5 (#)	1.075	0.000	2.41
		N445/N482	40x60x1.5 (#)	1.075	0.000	2.41
		N581/N606	40x60x1.5 (#)	2.315	0.001	5.18
		N582/N607	40x60x1.5 (#)	2.315	0.001	5.18
		N363/N383	40x60x1.5 (#)	2.315	0.001	5.18
		N364/N384	40x60x1.5 (#)	2.315	0.001	5.18
		N365/N385	40x60x1.5 (#)	2.315	0.001	5.18
		N366/N386	40x60x1.5 (#)	2.315	0.001	5.18
		N367/N387	40x60x1.5 (#)	2.315	0.001	5.18
		N368/N388	40x60x1.5 (#)	2.315	0.001	5.18
		N383/N420	40x60x1.5 (#)	2.315	0.001	5.18
		N384/N421	40x60x1.5 (#)	2.315	0.001	5.18
		N385/N422	40x60x1.5 (#)	2.315	0.001	5.18
		N386/N423	40x60x1.5 (#)	2.315	0.001	5.18
		N387/N424	40x60x1.5 (#)	2.315	0.001	5.18
		N388/N425	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N420/N457	40x60x1.5 (#)	1.075	0.000	2.41
		N421/N458	40x60x1.5 (#)	1.075	0.000	2.41
		N422/N459	40x60x1.5 (#)	1.075	0.000	2.41
		N423/N460	40x60x1.5 (#)	1.075	0.000	2.41
		N424/N461	40x60x1.5 (#)	1.075	0.000	2.41
		N425/N462	40x60x1.5 (#)	1.075	0.000	2.41
		N575/N600	40x60x1.5 (#)	2.315	0.001	5.18
		N576/N601	40x60x1.5 (#)	2.315	0.001	5.18
		N578/N603	40x60x1.5 (#)	2.315	0.001	5.18
		N579/N604	40x60x1.5 (#)	2.315	0.001	5.18
		N577/N602	40x60x1.5 (#)	2.315	0.001	5.18
		N439/N476	40x60x1.5 (#)	1.075	0.000	2.41
		N440/N477	40x60x1.5 (#)	1.075	0.000	2.41
		N442/N479	40x60x1.5 (#)	1.075	0.000	2.41
		N443/N480	40x60x1.5 (#)	1.075	0.000	2.41
		N441/N478	40x60x1.5 (#)	1.075	0.000	2.41
		N402/N439	40x60x1.5 (#)	2.315	0.001	5.18
		N403/N440	40x60x1.5 (#)	2.315	0.001	5.18
		N405/N442	40x60x1.5 (#)	2.315	0.001	5.18
		N406/N443	40x60x1.5 (#)	2.315	0.001	5.18
		N404/N441	40x60x1.5 (#)	2.315	0.001	5.18
		N370/N402	40x60x1.5 (#)	2.315	0.001	5.18
		N371/N403	40x60x1.5 (#)	2.315	0.001	5.18
		N373/N405	40x60x1.5 (#)	2.315	0.001	5.18
		N374/N406	40x60x1.5 (#)	2.315	0.001	5.18
		N372/N404	40x60x1.5 (#)	2.315	0.001	5.18
		N378/N415	40x60x1.5 (#)	2.315	0.001	5.18
		N379/N416	40x60x1.5 (#)	2.315	0.001	5.18
		N380/N417	40x60x1.5 (#)	2.315	0.001	5.18
		N377/N414	40x60x1.5 (#)	2.315	0.001	5.18
		N376/N413	40x60x1.5 (#)	2.315	0.001	5.18
		N415/N452	40x60x1.5 (#)	2.315	0.001	5.18
		N416/N453	40x60x1.5 (#)	2.315	0.001	5.18
		N417/N454	40x60x1.5 (#)	2.315	0.001	5.18
		N414/N451	40x60x1.5 (#)	2.315	0.001	5.18
		N413/N450	40x60x1.5 (#)	2.315	0.001	5.18
		N452/N489	40x60x1.5 (#)	1.075	0.000	2.41
		N453/N490	40x60x1.5 (#)	1.075	0.000	2.41
		N454/N491	40x60x1.5 (#)	1.075	0.000	2.41
		N451/N488	40x60x1.5 (#)	1.075	0.000	2.41
		N450/N487	40x60x1.5 (#)	1.075	0.000	2.41
		N588/N613	40x60x1.5 (#)	2.315	0.001	5.18
		N590/N615	40x60x1.5 (#)	2.315	0.001	5.18
		N589/N614	40x60x1.5 (#)	2.315	0.001	5.18
		N586/N611	40x60x1.5 (#)	2.315	0.001	5.18
		N587/N612	40x60x1.5 (#)	2.315	0.001	5.18
		N617/N624	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N624/N630	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N630/N636	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N637/N644	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N644/N650	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N650/N656	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N657/N664	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N664/N670	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N670/N676	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N677/N684	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N684/N690	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N690/N696	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N697/N704	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N704/N710	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N710/N716	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N717/N724	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N724/N730	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N730/N736	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N817/N824	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N824/N830	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N830/N836	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N837/N844	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N844/N850	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N850/N856	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N644/N624	40x80x2 (#)	0.725	0.000	2.58
		N644/N664	40x80x2 (#)	2.315	0.001	8.24
		N664/N684	40x80x2 (#)	0.725	0.000	2.58
		N624/N684	40x80x2 (#)	2.315	0.001	8.24
		N664/N704	40x80x2 (#)	2.315	0.001	8.24
		N704/N724	40x80x2 (#)	0.725	0.000	2.58
		N684/N724	40x80x2 (#)	2.315	0.001	8.24
		N744/N764	40x80x2 (#)	0.725	0.000	2.58
		N764/N804	40x80x2 (#)	1.575	0.001	5.61
		N784/N804	40x80x2 (#)	0.725	0.000	2.58
		N744/N784	40x80x2 (#)	1.575	0.001	5.61
		N804/N844	40x80x2 (#)	2.315	0.001	8.24
		N824/N844	40x80x2 (#)	0.725	0.000	2.58
		N784/N824	40x80x2 (#)	2.315	0.001	8.24
		N844/N884	40x80x2 (#)	2.315	0.001	8.24
		N864/N884	40x80x2 (#)	0.725	0.000	2.58
		N824/N864	40x80x2 (#)	2.315	0.001	8.24
		N650/N630	40x80x2 (#)	0.725	0.000	2.58
		N630/N690	40x80x2 (#)	2.315	0.001	8.24
		N650/N670	40x80x2 (#)	2.315	0.001	8.24
		N670/N690	40x80x2 (#)	0.725	0.000	2.58
		N670/N710	40x80x2 (#)	2.315	0.001	8.24
		N690/N730	40x80x2 (#)	2.315	0.001	8.24
		N710/N730	40x80x2 (#)	0.725	0.000	2.58
		N750/N790	40x80x2 (#)	1.575	0.001	5.61
		N770/N810	40x80x2 (#)	1.575	0.001	5.61

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N790/N810	40x80x2 (#)	0.725	0.000	2.58
		N810/N850	40x80x2 (#)	2.315	0.001	8.24
		N830/N850	40x80x2 (#)	0.725	0.000	2.58
		N790/N830	40x80x2 (#)	2.315	0.001	8.24
		N830/N870	40x80x2 (#)	2.315	0.001	8.24
		N850/N890	40x80x2 (#)	2.315	0.001	8.24
		N870/N890	40x80x2 (#)	0.725	0.000	2.58
		N750/N770	40x80x2 (#)	0.725	0.000	2.58
		N656/N636	40x80x2 (#)	0.725	0.000	2.58
		N676/N696	40x80x2 (#)	0.725	0.000	2.58
		N716/N736	40x80x2 (#)	0.725	0.000	2.58
		N796/N816	40x80x2 (#)	0.725	0.000	2.58
		N836/N856	40x80x2 (#)	0.725	0.000	2.58
		N876/N896	40x80x2 (#)	0.725	0.000	2.58
		N756/N776	40x80x2 (#)	0.725	0.000	2.58
		N624/N28	40x80x2 (#)	1.075	0.000	3.83
		N684/N48	40x80x2 (#)	1.075	0.000	3.83
		N724/N88	40x80x2 (#)	1.075	0.000	3.83
		N764/N168	40x80x2 (#)	1.075	0.000	3.83
		N804/N208	40x80x2 (#)	1.075	0.000	3.83
		N844/N248	40x80x2 (#)	1.075	0.000	3.83
		N884/N288	40x80x2 (#)	1.075	0.000	3.83
		N630/N34	40x80x2 (#)	1.075	0.000	3.83
		N690/N54	40x80x2 (#)	1.075	0.000	3.83
		N730/N94	40x80x2 (#)	1.075	0.000	3.83
		N770/N174	40x80x2 (#)	1.075	0.000	3.83
		N810/N214	40x80x2 (#)	1.075	0.000	3.83
		N850/N254	40x80x2 (#)	1.075	0.000	3.83
		N890/N294	40x80x2 (#)	1.075	0.000	3.83
		N636/N40	40x80x2 (#)	1.075	0.000	3.83
		N696/N60	40x80x2 (#)	1.075	0.000	3.83
		N736/N100	40x80x2 (#)	1.075	0.000	3.83
		N776/N180	40x80x2 (#)	1.075	0.000	3.83
		N816/N220	40x80x2 (#)	1.075	0.000	3.83
		N856/N260	40x80x2 (#)	1.075	0.000	3.83
		N896/N300	40x80x2 (#)	1.075	0.000	3.83
		N704/N744	40x80x2 (#)	2.315	0.001	8.24
		N724/N764	40x80x2 (#)	2.315	0.001	8.24
		N638/N658	40x60x1.5 (#)	2.315	0.001	5.18
		N639/N659	40x60x1.5 (#)	2.315	0.001	5.18
		N640/N660	40x60x1.5 (#)	2.315	0.001	5.18
		N641/N661	40x60x1.5 (#)	2.315	0.001	5.18
		N642/N662	40x60x1.5 (#)	2.315	0.001	5.18
		N643/N663	40x60x1.5 (#)	2.315	0.001	5.18
		N658/N698	40x60x1.5 (#)	2.315	0.001	5.18
		N659/N699	40x60x1.5 (#)	2.315	0.001	5.18
		N660/N700	40x60x1.5 (#)	2.315	0.001	5.18
		N661/N701	40x60x1.5 (#)	2.315	0.001	5.18
		N662/N702	40x60x1.5 (#)	2.315	0.001	5.18
		N663/N703	40x60x1.5 (#)	2.315	0.001	5.18
		N778/N818	40x60x1.5 (#)	2.315	0.001	5.18
		N779/N819	40x60x1.5 (#)	2.315	0.001	5.18
		N780/N820	40x60x1.5 (#)	2.315	0.001	5.18
		N781/N821	40x60x1.5 (#)	2.315	0.001	5.18
		N782/N822	40x60x1.5 (#)	2.315	0.001	5.18
		N783/N823	40x60x1.5 (#)	2.315	0.001	5.18
		N818/N858	40x60x1.5 (#)	2.315	0.001	5.18
		N819/N859	40x60x1.5 (#)	2.315	0.001	5.18
		N820/N860	40x60x1.5 (#)	2.315	0.001	5.18
		N821/N861	40x60x1.5 (#)	2.315	0.001	5.18
		N822/N862	40x60x1.5 (#)	2.315	0.001	5.18
		N823/N863	40x60x1.5 (#)	2.315	0.001	5.18
		N825/N865	40x60x1.5 (#)	2.315	0.001	5.18
		N826/N866	40x60x1.5 (#)	2.315	0.001	5.18
		N828/N868	40x60x1.5 (#)	2.315	0.001	5.18
		N829/N869	40x60x1.5 (#)	2.315	0.001	5.18
		N827/N867	40x60x1.5 (#)	2.315	0.001	5.18
		N785/N825	40x60x1.5 (#)	2.315	0.001	5.18
		N786/N826	40x60x1.5 (#)	2.315	0.001	5.18
		N788/N828	40x60x1.5 (#)	2.315	0.001	5.18
		N789/N829	40x60x1.5 (#)	2.315	0.001	5.18
		N787/N827	40x60x1.5 (#)	2.315	0.001	5.18
		N665/N705	40x60x1.5 (#)	2.315	0.001	5.18
		N666/N706	40x60x1.5 (#)	2.315	0.001	5.18
		N668/N708	40x60x1.5 (#)	2.315	0.001	5.18
		N669/N709	40x60x1.5 (#)	2.315	0.001	5.18
		N667/N707	40x60x1.5 (#)	2.315	0.001	5.18
		N645/N665	40x60x1.5 (#)	2.315	0.001	5.18
		N646/N666	40x60x1.5 (#)	2.315	0.001	5.18
		N648/N668	40x60x1.5 (#)	2.315	0.001	5.18
		N649/N669	40x60x1.5 (#)	2.315	0.001	5.18
		N647/N667	40x60x1.5 (#)	2.315	0.001	5.18
		N653/N673	40x60x1.5 (#)	2.315	0.001	5.18
		N654/N674	40x60x1.5 (#)	2.315	0.001	5.18
		N655/N675	40x60x1.5 (#)	2.315	0.001	5.18
		N652/N672	40x60x1.5 (#)	2.315	0.001	5.18
		N651/N671	40x60x1.5 (#)	2.315	0.001	5.18
		N673/N713	40x60x1.5 (#)	2.315	0.001	5.18
		N674/N714	40x60x1.5 (#)	2.315	0.001	5.18
		N675/N715	40x60x1.5 (#)	2.315	0.001	5.18
		N672/N712	40x60x1.5 (#)	2.315	0.001	5.18
		N671/N711	40x60x1.5 (#)	2.315	0.001	5.18
		N793/N833	40x60x1.5 (#)	2.315	0.001	5.18
		N794/N834	40x60x1.5 (#)	2.315	0.001	5.18
		N795/N835	40x60x1.5 (#)	2.315	0.001	5.18
		N792/N832	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N791/N831	40x60x1.5 (#)	2.315	0.001	5.18
		N833/N873	40x60x1.5 (#)	2.315	0.001	5.18
		N835/N875	40x60x1.5 (#)	2.315	0.001	5.18
		N834/N874	40x60x1.5 (#)	2.315	0.001	5.18
		N831/N871	40x60x1.5 (#)	2.315	0.001	5.18
		N832/N872	40x60x1.5 (#)	2.315	0.001	5.18
		N618/N678	40x60x1.5 (#)	2.315	0.001	5.18
		N619/N679	40x60x1.5 (#)	2.315	0.001	5.18
		N620/N680	40x60x1.5 (#)	2.315	0.001	5.18
		N621/N681	40x60x1.5 (#)	2.315	0.001	5.18
		N622/N682	40x60x1.5 (#)	2.315	0.001	5.18
		N623/N683	40x60x1.5 (#)	2.315	0.001	5.18
		N678/N718	40x60x1.5 (#)	2.315	0.001	5.18
		N679/N719	40x60x1.5 (#)	2.315	0.001	5.18
		N680/N720	40x60x1.5 (#)	2.315	0.001	5.18
		N681/N721	40x60x1.5 (#)	2.315	0.001	5.18
		N682/N722	40x60x1.5 (#)	2.315	0.001	5.18
		N683/N723	40x60x1.5 (#)	2.315	0.001	5.18
		N798/N838	40x60x1.5 (#)	2.315	0.001	5.18
		N799/N839	40x60x1.5 (#)	2.315	0.001	5.18
		N800/N840	40x60x1.5 (#)	2.315	0.001	5.18
		N801/N841	40x60x1.5 (#)	2.315	0.001	5.18
		N802/N842	40x60x1.5 (#)	2.315	0.001	5.18
		N803/N843	40x60x1.5 (#)	2.315	0.001	5.18
		N838/N878	40x60x1.5 (#)	2.315	0.001	5.18
		N839/N879	40x60x1.5 (#)	2.315	0.001	5.18
		N840/N880	40x60x1.5 (#)	2.315	0.001	5.18
		N841/N881	40x60x1.5 (#)	2.315	0.001	5.18
		N842/N882	40x60x1.5 (#)	2.315	0.001	5.18
		N843/N883	40x60x1.5 (#)	2.315	0.001	5.18
		N845/N885	40x60x1.5 (#)	2.315	0.001	5.18
		N846/N886	40x60x1.5 (#)	2.315	0.001	5.18
		N848/N888	40x60x1.5 (#)	2.315	0.001	5.18
		N849/N889	40x60x1.5 (#)	2.315	0.001	5.18
		N847/N887	40x60x1.5 (#)	2.315	0.001	5.18
		N805/N845	40x60x1.5 (#)	2.315	0.001	5.18
		N806/N846	40x60x1.5 (#)	2.315	0.001	5.18
		N808/N848	40x60x1.5 (#)	2.315	0.001	5.18
		N809/N849	40x60x1.5 (#)	2.315	0.001	5.18
		N807/N847	40x60x1.5 (#)	2.315	0.001	5.18
		N685/N725	40x60x1.5 (#)	2.315	0.001	5.18
		N686/N726	40x60x1.5 (#)	2.315	0.001	5.18
		N688/N728	40x60x1.5 (#)	2.315	0.001	5.18
		N689/N729	40x60x1.5 (#)	2.315	0.001	5.18
		N687/N727	40x60x1.5 (#)	2.315	0.001	5.18
		N625/N685	40x60x1.5 (#)	2.315	0.001	5.18
		N626/N686	40x60x1.5 (#)	2.315	0.001	5.18
		N628/N688	40x60x1.5 (#)	2.315	0.001	5.18
		N629/N689	40x60x1.5 (#)	2.315	0.001	5.18
		N627/N687	40x60x1.5 (#)	2.315	0.001	5.18
		N633/N693	40x60x1.5 (#)	2.315	0.001	5.18
		N634/N694	40x60x1.5 (#)	2.315	0.001	5.18
		N635/N695	40x60x1.5 (#)	2.315	0.001	5.18
		N632/N692	40x60x1.5 (#)	2.315	0.001	5.18
		N631/N691	40x60x1.5 (#)	2.315	0.001	5.18
		N693/N733	40x60x1.5 (#)	2.315	0.001	5.18
		N694/N734	40x60x1.5 (#)	2.315	0.001	5.18
		N695/N735	40x60x1.5 (#)	2.315	0.001	5.18
		N692/N732	40x60x1.5 (#)	2.315	0.001	5.18
		N691/N731	40x60x1.5 (#)	2.315	0.001	5.18
		N813/N853	40x60x1.5 (#)	2.315	0.001	5.18
		N814/N854	40x60x1.5 (#)	2.315	0.001	5.18
		N815/N855	40x60x1.5 (#)	2.315	0.001	5.18
		N812/N852	40x60x1.5 (#)	2.315	0.001	5.18
		N811/N851	40x60x1.5 (#)	2.315	0.001	5.18
		N853/N893	40x60x1.5 (#)	2.315	0.001	5.18
		N855/N895	40x60x1.5 (#)	2.315	0.001	5.18
		N854/N894	40x60x1.5 (#)	2.315	0.001	5.18
		N851/N891	40x60x1.5 (#)	2.315	0.001	5.18
		N852/N892	40x60x1.5 (#)	2.315	0.001	5.18
		N698/N738	40x60x1.5 (#)	2.315	0.001	5.18
		N699/N739	40x60x1.5 (#)	2.315	0.001	5.18
		N700/N740	40x60x1.5 (#)	2.315	0.001	5.18
		N701/N741	40x60x1.5 (#)	2.315	0.001	5.18
		N702/N742	40x60x1.5 (#)	2.315	0.001	5.18
		N703/N743	40x60x1.5 (#)	2.315	0.001	5.18
		N705/N745	40x60x1.5 (#)	2.315	0.001	5.18
		N706/N746	40x60x1.5 (#)	2.315	0.001	5.18
		N708/N748	40x60x1.5 (#)	2.315	0.001	5.18
		N709/N749	40x60x1.5 (#)	2.315	0.001	5.18
		N707/N747	40x60x1.5 (#)	2.315	0.001	5.18
		N713/N753	40x60x1.5 (#)	2.315	0.001	5.18
		N714/N754	40x60x1.5 (#)	2.315	0.001	5.18
		N715/N755	40x60x1.5 (#)	2.315	0.001	5.18
		N712/N752	40x60x1.5 (#)	2.315	0.001	5.18
		N711/N751	40x60x1.5 (#)	2.315	0.001	5.18
		N718/N758	40x60x1.5 (#)	2.315	0.001	5.18
		N719/N759	40x60x1.5 (#)	2.315	0.001	5.18
		N720/N760	40x60x1.5 (#)	2.315	0.001	5.18
		N721/N761	40x60x1.5 (#)	2.315	0.001	5.18
		N722/N762	40x60x1.5 (#)	2.315	0.001	5.18
		N723/N763	40x60x1.5 (#)	2.315	0.001	5.18
		N725/N765	40x60x1.5 (#)	2.315	0.001	5.18
		N726/N766	40x60x1.5 (#)	2.315	0.001	5.18
		N728/N768	40x60x1.5 (#)	2.315	0.001	5.18
		N729/N769	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N727/N767	40x60x1.5 (#)	2.315	0.001	5.18
		N733/N773	40x60x1.5 (#)	2.315	0.001	5.18
		N734/N774	40x60x1.5 (#)	2.315	0.001	5.18
		N735/N775	40x60x1.5 (#)	2.315	0.001	5.18
		N732/N772	40x60x1.5 (#)	2.315	0.001	5.18
		N731/N771	40x60x1.5 (#)	2.315	0.001	5.18
		N456/N463	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N464/N324	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N324/N332	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N463/N481	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N332/N340	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N481/N492	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N121/N128	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N128/N134	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N134/N140	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N141/N148	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N148/N154	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N154/N160	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N737/N744	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N744/N750	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N750/N756	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N757/N764	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N764/N770	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N770/N776	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N777/N784	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N784/N790	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N790/N796	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N797/N804	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N804/N810	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N810/N816	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N201/N208	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N208/N214	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N214/N220	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N221/N228	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N228/N234	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N234/N240	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N567/N568	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N569/N327	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N327/N335	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N568/N580	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N335/N343	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N580/N591	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N281/N288	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N288/N294	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N294/N300	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N301/N308	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N308/N314	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N314/N320	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N594/N328	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N328/N336	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N336/N344	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N592/N593	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N593/N605	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N605/N616	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N857/N864	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N864/N870	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N870/N876	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N877/N884	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N884/N890	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N890/N896	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N730/N770	40x80x2 (#)	2.315	0.001	8.24
		N710/N750	40x80x2 (#)	2.315	0.001	8.24
		N513/N550	40x60x1.5 (#)	1.575	0.000	3.52
		N514/N551	40x60x1.5 (#)	1.575	0.000	3.52
		N515/N552	40x60x1.5 (#)	1.575	0.000	3.52
		N516/N553	40x60x1.5 (#)	1.575	0.000	3.52
		N517/N554	40x60x1.5 (#)	1.575	0.000	3.52
		N524/N561	40x60x1.5 (#)	1.575	0.000	3.52
		N525/N562	40x60x1.5 (#)	1.575	0.000	3.52
		N526/N563	40x60x1.5 (#)	1.575	0.000	3.52
		N527/N564	40x60x1.5 (#)	1.575	0.000	3.52
		N528/N565	40x60x1.5 (#)	1.575	0.000	3.52
		N523/N560	40x60x1.5 (#)	1.575	0.000	3.52
		N522/N559	40x60x1.5 (#)	1.575	0.000	3.52
		N521/N558	40x60x1.5 (#)	1.575	0.000	3.52
		N520/N557	40x60x1.5 (#)	1.575	0.000	3.52
		N519/N556	40x60x1.5 (#)	1.575	0.000	3.52
		N512/N549	40x60x1.5 (#)	1.575	0.000	3.52
		N511/N548	40x60x1.5 (#)	1.575	0.000	3.52
		N510/N547	40x60x1.5 (#)	1.575	0.000	3.52
		N509/N546	40x60x1.5 (#)	1.575	0.000	3.52
		N508/N545	40x60x1.5 (#)	1.575	0.000	3.52
		N912/N911	100x100x4.0 (Tubo_Cuadrado_Colmena)	1.390	0.002	16.31
		N913/N910	100x100x4.0 (Tubo_Cuadrado_Colmena)	1.390	0.002	16.31
		N910/N914	100x100x4.0 (Tubo_Cuadrado_Colmena)	2.720	0.004	31.91
		N911/N915	100x100x4.0 (Tubo_Cuadrado_Colmena)	2.720	0.004	31.91
		N916/N917	75X75X3.0 (Tubo_Cuadrado_Colmena)	0.180	0.000	1.19
		N918/N919	75X75X3.0 (Tubo_Cuadrado_Colmena)	0.180	0.000	1.19
		N910/N921	120x60x2 (Rectangular_Colmmmena)	2.675	0.002	14.52
		N924/N915	120x60x2 (Rectangular_Colmmmena)	2.644	0.002	14.35
		N914/N925	120x60x2 (Rectangular_Colmmmena)	2.644	0.002	14.35
		N910/N930	120x60x2 (Rectangular_Colmmmena)	1.050	0.001	5.70
		N911/N931	120x60x2 (Rectangular_Colmmmena)	1.050	0.001	5.70
		N931/N930	120x60x2 (Rectangular_Colmmmena)	2.115	0.001	11.48
		N915/N932	120x60x2 (Rectangular_Colmmmena)	1.050	0.001	5.70
		N932/N933	120x60x2 (Rectangular_Colmmmena)	2.115	0.001	11.48

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N914/N933	120x60x2 (Rectangular_Colmmmena)	1.050	0.001	5.70
		N934/N926	100x100x6.0 (Tubo_Cuadrado_Colmena)	4.110	0.009	70.48
		N926/N914	150x50x4.0 (Rectangular_Colmmmena)	0.970	0.001	11.48
		N926/N927	120x60x2 (Rectangular_Colmmmena)	2.644	0.002	14.35
		N923/N935	120x60x2 (Rectangular_Colmmmena)	1.050	0.001	5.70
		N926/N936	120x60x2 (Rectangular_Colmmmena)	1.050	0.001	5.70
		N911/N923	150x50x4.0 (Rectangular_Colmmmena)	1.145	0.002	13.55
		N917/N920	120x60x2 (Rectangular_Colmmmena)	2.586	0.002	14.04
		N923/N922	120x60x2 (Rectangular_Colmmmena)	2.675	0.002	14.52
		N929/N928	120x60x2 (Rectangular_Colmmmena)	2.644	0.002	14.35
		N923/N910	150x50x4.0 (Rectangular_Colmmmena)	0.970	0.001	11.48
		N937/N944	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N944/N950	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N950/N956	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N957/N964	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N964/N970	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N970/N976	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N977/N984	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N984/N990	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N990/N996	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N997/N1004	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1004/N1010	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1010/N1016	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1017/N1024	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1024/N1030	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1030/N1036	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1037/N1044	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1044/N1050	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1050/N1056	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1057/N1064	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1064/N1070	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1070/N1076	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1077/N1084	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1084/N1090	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1090/N1096	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N964/N944	40x80x2 (#)	0.725	0.000	2.58
		N964/N984	40x80x2 (#)	2.315	0.001	8.24
		N984/N1004	40x80x2 (#)	0.725	0.000	2.58
		N944/N1004	40x80x2 (#)	2.315	0.001	8.24
		N984/N1024	40x80x2 (#)	2.315	0.001	8.24
		N1024/N1044	40x80x2 (#)	0.725	0.000	2.58
		N1004/N1044	40x80x2 (#)	2.315	0.001	8.24
		N1097/N1098	40x80x2 (#)	0.725	0.000	2.58
		N1098/N1099	40x80x2 (#)	1.575	0.001	5.61
		N1100/N1099	40x80x2 (#)	0.725	0.000	2.58
		N1097/N1100	40x80x2 (#)	1.575	0.001	5.61
		N1099/N1084	40x80x2 (#)	2.315	0.001	8.24
		N1064/N1084	40x80x2 (#)	0.725	0.000	2.58
		N1100/N1064	40x80x2 (#)	2.315	0.001	8.24
		N1084/N1101	40x80x2 (#)	2.315	0.001	8.24
		N1102/N1101	40x80x2 (#)	0.725	0.000	2.58
		N1064/N1102	40x80x2 (#)	2.315	0.001	8.24
		N970/N950	40x80x2 (#)	0.725	0.000	2.58
		N950/N1010	40x80x2 (#)	2.315	0.001	8.24
		N970/N990	40x80x2 (#)	2.315	0.001	8.24
		N990/N1010	40x80x2 (#)	0.725	0.000	2.58
		N990/N1030	40x80x2 (#)	2.315	0.001	8.24
		N1010/N1050	40x80x2 (#)	2.315	0.001	8.24
		N1030/N1050	40x80x2 (#)	0.725	0.000	2.58
		N1104/N1103	40x80x2 (#)	1.575	0.001	5.61
		N1105/N1106	40x80x2 (#)	1.575	0.001	5.61
		N1103/N1106	40x80x2 (#)	0.725	0.000	2.58
		N1106/N1090	40x80x2 (#)	2.315	0.001	8.24
		N1070/N1090	40x80x2 (#)	0.725	0.000	2.58
		N1103/N1070	40x80x2 (#)	2.315	0.001	8.24
		N1070/N1107	40x80x2 (#)	2.315	0.001	8.24
		N1090/N1108	40x80x2 (#)	2.315	0.001	8.24
		N1107/N1108	40x80x2 (#)	0.725	0.000	2.58
		N1104/N1105	40x80x2 (#)	0.725	0.000	2.58
		N976/N956	40x80x2 (#)	0.725	0.000	2.58
		N996/N1016	40x80x2 (#)	0.725	0.000	2.58
		N1036/N1056	40x80x2 (#)	0.725	0.000	2.58
		N1110/N1109	40x80x2 (#)	0.725	0.000	2.58
		N1076/N1096	40x80x2 (#)	0.725	0.000	2.58
		N1111/N1112	40x80x2 (#)	0.725	0.000	2.58
		N1113/N1114	40x80x2 (#)	0.725	0.000	2.58
		N944/N644	40x80x2 (#)	1.075	0.000	3.83
		N1004/N664	40x80x2 (#)	1.075	0.000	3.83
		N1044/N704	40x80x2 (#)	1.075	0.000	3.83
		N1098/N744	40x80x2 (#)	1.075	0.000	3.83
		N1099/N784	40x80x2 (#)	1.075	0.000	3.83
		N1084/N824	40x80x2 (#)	1.075	0.000	3.83
		N1101/N864	40x80x2 (#)	1.075	0.000	3.83
		N950/N650	40x80x2 (#)	1.075	0.000	3.83
		N1010/N670	40x80x2 (#)	1.075	0.000	3.83
		N1050/N710	40x80x2 (#)	1.075	0.000	3.83
		N1105/N750	40x80x2 (#)	1.075	0.000	3.83
		N1106/N790	40x80x2 (#)	1.075	0.000	3.83
		N1090/N830	40x80x2 (#)	1.075	0.000	3.83
		N1108/N870	40x80x2 (#)	1.075	0.000	3.83
		N956/N656	40x80x2 (#)	1.075	0.000	3.83
		N1016/N676	40x80x2 (#)	1.075	0.000	3.83
		N1056/N716	40x80x2 (#)	1.075	0.000	3.83
		N1114/N756	40x80x2 (#)	1.075	0.000	3.83
		N1109/N796	40x80x2 (#)	1.075	0.000	3.83
		N1096/N836	40x80x2 (#)	1.075	0.000	3.83

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N1112/N876	40x80x2 (#)	1.075	0.000	3.83
		N1024/N1097	40x80x2 (#)	2.315	0.001	8.24
		N1044/N1098	40x80x2 (#)	2.315	0.001	8.24
		N958/N978	40x60x1.5 (#)	2.315	0.001	5.18
		N959/N979	40x60x1.5 (#)	2.315	0.001	5.18
		N960/N980	40x60x1.5 (#)	2.315	0.001	5.18
		N961/N981	40x60x1.5 (#)	2.315	0.001	5.18
		N962/N982	40x60x1.5 (#)	2.315	0.001	5.18
		N963/N983	40x60x1.5 (#)	2.315	0.001	5.18
		N978/N1018	40x60x1.5 (#)	2.315	0.001	5.18
		N979/N1019	40x60x1.5 (#)	2.315	0.001	5.18
		N980/N1020	40x60x1.5 (#)	2.315	0.001	5.18
		N981/N1021	40x60x1.5 (#)	2.315	0.001	5.18
		N982/N1022	40x60x1.5 (#)	2.315	0.001	5.18
		N983/N1023	40x60x1.5 (#)	2.315	0.001	5.18
		N1115/N1058	40x60x1.5 (#)	2.315	0.001	5.18
		N1116/N1059	40x60x1.5 (#)	2.315	0.001	5.18
		N1117/N1060	40x60x1.5 (#)	2.315	0.001	5.18
		N1118/N1061	40x60x1.5 (#)	2.315	0.001	5.18
		N1119/N1062	40x60x1.5 (#)	2.315	0.001	5.18
		N1120/N1063	40x60x1.5 (#)	2.315	0.001	5.18
		N1058/N1121	40x60x1.5 (#)	2.315	0.001	5.18
		N1059/N1122	40x60x1.5 (#)	2.315	0.001	5.18
		N1060/N1123	40x60x1.5 (#)	2.315	0.001	5.18
		N1061/N1124	40x60x1.5 (#)	2.315	0.001	5.18
		N1062/N1125	40x60x1.5 (#)	2.315	0.001	5.18
		N1063/N1126	40x60x1.5 (#)	2.315	0.001	5.18
		N1065/N1127	40x60x1.5 (#)	2.315	0.001	5.18
		N1066/N1128	40x60x1.5 (#)	2.315	0.001	5.18
		N1068/N1129	40x60x1.5 (#)	2.315	0.001	5.18
		N1069/N1130	40x60x1.5 (#)	2.315	0.001	5.18
		N1067/N1131	40x60x1.5 (#)	2.315	0.001	5.18
		N1132/N1065	40x60x1.5 (#)	2.315	0.001	5.18
		N1133/N1066	40x60x1.5 (#)	2.315	0.001	5.18
		N1134/N1068	40x60x1.5 (#)	2.315	0.001	5.18
		N1135/N1069	40x60x1.5 (#)	2.315	0.001	5.18
		N1136/N1067	40x60x1.5 (#)	2.315	0.001	5.18
		N985/N1025	40x60x1.5 (#)	2.315	0.001	5.18
		N986/N1026	40x60x1.5 (#)	2.315	0.001	5.18
		N988/N1028	40x60x1.5 (#)	2.315	0.001	5.18
		N989/N1029	40x60x1.5 (#)	2.315	0.001	5.18
		N987/N1027	40x60x1.5 (#)	2.315	0.001	5.18
		N965/N985	40x60x1.5 (#)	2.315	0.001	5.18
		N966/N986	40x60x1.5 (#)	2.315	0.001	5.18
		N968/N988	40x60x1.5 (#)	2.315	0.001	5.18
		N969/N989	40x60x1.5 (#)	2.315	0.001	5.18
		N967/N987	40x60x1.5 (#)	2.315	0.001	5.18
		N973/N993	40x60x1.5 (#)	2.315	0.001	5.18
		N974/N994	40x60x1.5 (#)	2.315	0.001	5.18
		N975/N995	40x60x1.5 (#)	2.315	0.001	5.18
		N972/N992	40x60x1.5 (#)	2.315	0.001	5.18
		N971/N991	40x60x1.5 (#)	2.315	0.001	5.18
		N993/N1033	40x60x1.5 (#)	2.315	0.001	5.18
		N994/N1034	40x60x1.5 (#)	2.315	0.001	5.18
		N995/N1035	40x60x1.5 (#)	2.315	0.001	5.18
		N992/N1032	40x60x1.5 (#)	2.315	0.001	5.18
		N991/N1031	40x60x1.5 (#)	2.315	0.001	5.18
		N1137/N1073	40x60x1.5 (#)	2.315	0.001	5.18
		N1138/N1074	40x60x1.5 (#)	2.315	0.001	5.18
		N1139/N1075	40x60x1.5 (#)	2.315	0.001	5.18
		N1140/N1072	40x60x1.5 (#)	2.315	0.001	5.18
		N1141/N1071	40x60x1.5 (#)	2.315	0.001	5.18
		N1073/N1142	40x60x1.5 (#)	2.315	0.001	5.18
		N1075/N1143	40x60x1.5 (#)	2.315	0.001	5.18
		N1074/N1144	40x60x1.5 (#)	2.315	0.001	5.18
		N1071/N1145	40x60x1.5 (#)	2.315	0.001	5.18
		N1072/N1146	40x60x1.5 (#)	2.315	0.001	5.18
		N938/N998	40x60x1.5 (#)	2.315	0.001	5.18
		N939/N999	40x60x1.5 (#)	2.315	0.001	5.18
		N940/N1000	40x60x1.5 (#)	2.315	0.001	5.18
		N941/N1001	40x60x1.5 (#)	2.315	0.001	5.18
		N942/N1002	40x60x1.5 (#)	2.315	0.001	5.18
		N943/N1003	40x60x1.5 (#)	2.315	0.001	5.18
		N998/N1038	40x60x1.5 (#)	2.315	0.001	5.18
		N999/N1039	40x60x1.5 (#)	2.315	0.001	5.18
		N1000/N1040	40x60x1.5 (#)	2.315	0.001	5.18
		N1001/N1041	40x60x1.5 (#)	2.315	0.001	5.18
		N1002/N1042	40x60x1.5 (#)	2.315	0.001	5.18
		N1003/N1043	40x60x1.5 (#)	2.315	0.001	5.18
		N1147/N1078	40x60x1.5 (#)	2.315	0.001	5.18
		N1148/N1079	40x60x1.5 (#)	2.315	0.001	5.18
		N1149/N1080	40x60x1.5 (#)	2.315	0.001	5.18
		N1150/N1081	40x60x1.5 (#)	2.315	0.001	5.18
		N1151/N1082	40x60x1.5 (#)	2.315	0.001	5.18
		N1152/N1083	40x60x1.5 (#)	2.315	0.001	5.18
		N1078/N1153	40x60x1.5 (#)	2.315	0.001	5.18
		N1079/N1154	40x60x1.5 (#)	2.315	0.001	5.18
		N1080/N1155	40x60x1.5 (#)	2.315	0.001	5.18
		N1081/N1156	40x60x1.5 (#)	2.315	0.001	5.18
		N1082/N1157	40x60x1.5 (#)	2.315	0.001	5.18
		N1083/N1158	40x60x1.5 (#)	2.315	0.001	5.18
		N1085/N1159	40x60x1.5 (#)	2.315	0.001	5.18
		N1086/N1160	40x60x1.5 (#)	2.315	0.001	5.18
		N1088/N1161	40x60x1.5 (#)	2.315	0.001	5.18
		N1089/N1162	40x60x1.5 (#)	2.315	0.001	5.18
		N1087/N1163	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N1164/N1085	40x60x1.5 (#)	2.315	0.001	5.18
		N1165/N1086	40x60x1.5 (#)	2.315	0.001	5.18
		N1166/N1088	40x60x1.5 (#)	2.315	0.001	5.18
		N1167/N1089	40x60x1.5 (#)	2.315	0.001	5.18
		N1168/N1087	40x60x1.5 (#)	2.315	0.001	5.18
		N1005/N1045	40x60x1.5 (#)	2.315	0.001	5.18
		N1006/N1046	40x60x1.5 (#)	2.315	0.001	5.18
		N1008/N1048	40x60x1.5 (#)	2.315	0.001	5.18
		N1009/N1049	40x60x1.5 (#)	2.315	0.001	5.18
		N1007/N1047	40x60x1.5 (#)	2.315	0.001	5.18
		N945/N1005	40x60x1.5 (#)	2.315	0.001	5.18
		N946/N1006	40x60x1.5 (#)	2.315	0.001	5.18
		N948/N1008	40x60x1.5 (#)	2.315	0.001	5.18
		N949/N1009	40x60x1.5 (#)	2.315	0.001	5.18
		N947/N1007	40x60x1.5 (#)	2.315	0.001	5.18
		N953/N1013	40x60x1.5 (#)	2.315	0.001	5.18
		N954/N1014	40x60x1.5 (#)	2.315	0.001	5.18
		N955/N1015	40x60x1.5 (#)	2.315	0.001	5.18
		N952/N1012	40x60x1.5 (#)	2.315	0.001	5.18
		N951/N1011	40x60x1.5 (#)	2.315	0.001	5.18
		N1013/N1053	40x60x1.5 (#)	2.315	0.001	5.18
		N1014/N1054	40x60x1.5 (#)	2.315	0.001	5.18
		N1015/N1055	40x60x1.5 (#)	2.315	0.001	5.18
		N1012/N1052	40x60x1.5 (#)	2.315	0.001	5.18
		N1011/N1051	40x60x1.5 (#)	2.315	0.001	5.18
		N1169/N1093	40x60x1.5 (#)	2.315	0.001	5.18
		N1170/N1094	40x60x1.5 (#)	2.315	0.001	5.18
		N1171/N1095	40x60x1.5 (#)	2.315	0.001	5.18
		N1172/N1092	40x60x1.5 (#)	2.315	0.001	5.18
		N1173/N1091	40x60x1.5 (#)	2.315	0.001	5.18
		N1093/N1174	40x60x1.5 (#)	2.315	0.001	5.18
		N1095/N1175	40x60x1.5 (#)	2.315	0.001	5.18
		N1094/N1176	40x60x1.5 (#)	2.315	0.001	5.18
		N1091/N1177	40x60x1.5 (#)	2.315	0.001	5.18
		N1092/N1178	40x60x1.5 (#)	2.315	0.001	5.18
		N1018/N1179	40x60x1.5 (#)	2.315	0.001	5.18
		N1019/N1180	40x60x1.5 (#)	2.315	0.001	5.18
		N1020/N1181	40x60x1.5 (#)	2.315	0.001	5.18
		N1021/N1182	40x60x1.5 (#)	2.315	0.001	5.18
		N1022/N1183	40x60x1.5 (#)	2.315	0.001	5.18
		N1023/N1184	40x60x1.5 (#)	2.315	0.001	5.18
		N1025/N1185	40x60x1.5 (#)	2.315	0.001	5.18
		N1026/N1186	40x60x1.5 (#)	2.315	0.001	5.18
		N1028/N1187	40x60x1.5 (#)	2.315	0.001	5.18
		N1029/N1188	40x60x1.5 (#)	2.315	0.001	5.18
		N1027/N1189	40x60x1.5 (#)	2.315	0.001	5.18
		N1033/N1190	40x60x1.5 (#)	2.315	0.001	5.18
		N1034/N1191	40x60x1.5 (#)	2.315	0.001	5.18
		N1035/N1192	40x60x1.5 (#)	2.315	0.001	5.18
		N1032/N1193	40x60x1.5 (#)	2.315	0.001	5.18
		N1031/N1194	40x60x1.5 (#)	2.315	0.001	5.18
		N1038/N1195	40x60x1.5 (#)	2.315	0.001	5.18
		N1039/N1196	40x60x1.5 (#)	2.315	0.001	5.18
		N1040/N1197	40x60x1.5 (#)	2.315	0.001	5.18
		N1041/N1198	40x60x1.5 (#)	2.315	0.001	5.18
		N1042/N1199	40x60x1.5 (#)	2.315	0.001	5.18
		N1043/N1200	40x60x1.5 (#)	2.315	0.001	5.18
		N1045/N1201	40x60x1.5 (#)	2.315	0.001	5.18
		N1046/N1202	40x60x1.5 (#)	2.315	0.001	5.18
		N1048/N1203	40x60x1.5 (#)	2.315	0.001	5.18
		N1049/N1204	40x60x1.5 (#)	2.315	0.001	5.18
		N1047/N1205	40x60x1.5 (#)	2.315	0.001	5.18
		N1053/N1206	40x60x1.5 (#)	2.315	0.001	5.18
		N1054/N1207	40x60x1.5 (#)	2.315	0.001	5.18
		N1055/N1208	40x60x1.5 (#)	2.315	0.001	5.18
		N1052/N1209	40x60x1.5 (#)	2.315	0.001	5.18
		N1051/N1210	40x60x1.5 (#)	2.315	0.001	5.18
		N1211/N1097	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1097/N1104	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1104/N1113	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1212/N1098	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1098/N1105	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1105/N1114	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1213/N1100	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1100/N1103	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1103/N1110	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1214/N1099	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1099/N1106	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1106/N1109	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1215/N1102	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1102/N1107	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1107/N1111	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1216/N1101	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1101/N1108	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1108/N1112	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1050/N1105	40x80x2 (#)	2.315	0.001	8.24
		N1030/N1104	40x80x2 (#)	2.315	0.001	8.24
		N958/N938	CF-60x2.0 (C)	0.725	0.000	1.77
		N958/N940	CF-60x2.0 (C)	1.140	0.000	2.79
		N940/N961	CF-60x2.0 (C)	0.848	0.000	2.08
		N961/N943	CF-60x2.0 (C)	1.140	0.000	2.79
		N943/N964	CF-60x2.0 (C)	0.886	0.000	2.17
		N638/N618	CF-60x2.0 (C)	0.725	0.000	1.77
		N638/N620	CF-60x2.0 (C)	1.140	0.000	2.79
		N620/N641	CF-60x2.0 (C)	0.848	0.000	2.08
		N641/N623	CF-60x2.0 (C)	1.140	0.000	2.79

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N623/N644	CF-60x2.0 (C)	0.886	0.000	2.17
		N22/N2	CF-60x2.0 (C)	0.725	0.000	1.77
		N22/N4	CF-60x2.0 (C)	1.140	0.000	2.79
		N4/N25	CF-60x2.0 (C)	0.848	0.000	2.08
		N25/N7	CF-60x2.0 (C)	1.140	0.000	2.79
		N7/N28	CF-60x2.0 (C)	0.886	0.000	2.17
		N346/N363	CF-60x2.0 (C)	0.325	0.000	0.80
		N346/N365	CF-60x2.0 (C)	0.938	0.000	2.30
		N365/N349	CF-60x2.0 (C)	0.547	0.000	1.34
		N349/N368	CF-60x2.0 (C)	0.938	0.000	2.30
		N368/N321	CF-60x2.0 (C)	0.605	0.000	1.48
		N964/N946	CF-60x2.0 (C)	1.140	0.000	2.79
		N946/N967	CF-60x2.0 (C)	0.853	0.000	2.09
		N967/N949	CF-60x2.0 (C)	1.140	0.000	2.79
		N949/N970	CF-60x2.0 (C)	0.853	0.000	2.09
		N970/N952	CF-60x2.0 (C)	1.140	0.000	2.79
		N952/N973	CF-60x2.0 (C)	0.853	0.000	2.09
		N973/N955	CF-60x2.0 (C)	1.140	0.000	2.79
		N955/N976	CF-60x2.0 (C)	0.853	0.000	2.09
		N644/N626	CF-60x2.0 (C)	1.140	0.000	2.79
		N626/N647	CF-60x2.0 (C)	0.853	0.000	2.09
		N647/N629	CF-60x2.0 (C)	1.140	0.000	2.79
		N629/N650	CF-60x2.0 (C)	0.853	0.000	2.09
		N650/N632	CF-60x2.0 (C)	1.140	0.000	2.79
		N632/N653	CF-60x2.0 (C)	0.853	0.000	2.09
		N653/N635	CF-60x2.0 (C)	1.140	0.000	2.79
		N635/N656	CF-60x2.0 (C)	0.853	0.000	2.09
		N28/N10	CF-60x2.0 (C)	1.140	0.000	2.79
		N10/N31	CF-60x2.0 (C)	0.853	0.000	2.09
		N31/N13	CF-60x2.0 (C)	1.140	0.000	2.79
		N13/N34	CF-60x2.0 (C)	0.853	0.000	2.09
		N34/N16	CF-60x2.0 (C)	1.140	0.000	2.79
		N16/N37	CF-60x2.0 (C)	0.853	0.000	2.09
		N37/N19	CF-60x2.0 (C)	1.140	0.000	2.79
		N19/N40	CF-60x2.0 (C)	0.853	0.000	2.09
		N321/N371	CF-60x2.0 (C)	0.938	0.000	2.30
		N371/N354	CF-60x2.0 (C)	0.555	0.000	1.36
		N354/N374	CF-60x2.0 (C)	0.938	0.000	2.30
		N374/N329	CF-60x2.0 (C)	0.555	0.000	1.36
		N329/N377	CF-60x2.0 (C)	0.938	0.000	2.30
		N377/N359	CF-60x2.0 (C)	0.555	0.000	1.36
		N359/N380	CF-60x2.0 (C)	0.938	0.000	2.30
		N380/N337	CF-60x2.0 (C)	0.555	0.000	1.36
		N919/N911	120x60x2 (Rectangular_Colmmmena)	2.586	0.002	14.04
		N1529/N1536	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1536/N1542	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1542/N1548	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1549/N1556	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1556/N1562	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1562/N1568	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1569/N1578	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1578/N1586	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1586/N1594	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1595/N1604	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1604/N1612	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1612/N1620	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1621/N1630	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1630/N1638	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1638/N1646	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1647/N1656	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1656/N1664	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1664/N1672	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1673/N1682	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1682/N1690	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1690/N1698	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1699/N1708	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1708/N1716	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1716/N1724	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1556/N1536	40x80x2 (#)	0.725	0.000	2.58
		N1556/N1578	40x80x2 (#)	2.315	0.001	8.24
		N1578/N1604	40x80x2 (#)	0.725	0.000	2.58
		N1536/N1604	40x80x2 (#)	2.315	0.001	8.24
		N1578/N1630	40x80x2 (#)	2.315	0.001	8.24
		N1630/N1656	40x80x2 (#)	0.725	0.000	2.58
		N1604/N1656	40x80x2 (#)	2.315	0.001	8.24
		N1725/N1726	40x80x2 (#)	0.725	0.000	2.58
		N1726/N1727	40x80x2 (#)	1.575	0.001	5.61
		N1728/N1727	40x80x2 (#)	0.725	0.000	2.58
		N1725/N1728	40x80x2 (#)	1.575	0.001	5.61
		N1727/N1708	40x80x2 (#)	2.315	0.001	8.24
		N1682/N1708	40x80x2 (#)	0.725	0.000	2.58
		N1728/N1682	40x80x2 (#)	2.315	0.001	8.24
		N1708/N1729	40x80x2 (#)	2.315	0.001	8.24
		N1730/N1729	40x80x2 (#)	0.725	0.000	2.58
		N1682/N1730	40x80x2 (#)	2.315	0.001	8.24
		N1562/N1542	40x80x2 (#)	0.725	0.000	2.58
		N1542/N1612	40x80x2 (#)	2.315	0.001	8.24
		N1562/N1586	40x80x2 (#)	2.315	0.001	8.24
		N1586/N1612	40x80x2 (#)	0.725	0.000	2.58
		N1586/N1638	40x80x2 (#)	2.315	0.001	8.24
		N1612/N1664	40x80x2 (#)	2.315	0.001	8.24
		N1638/N1664	40x80x2 (#)	0.725	0.000	2.58
		N1732/N1731	40x80x2 (#)	1.575	0.001	5.61
		N1733/N1734	40x80x2 (#)	1.575	0.001	5.61
		N1731/N1734	40x80x2 (#)	0.725	0.000	2.58
		N1734/N1716	40x80x2 (#)	2.315	0.001	8.24

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N1690/N1716	40x80x2 (#)	0.725	0.000	2.58
		N1731/N1690	40x80x2 (#)	2.315	0.001	8.24
		N1690/N1735	40x80x2 (#)	2.315	0.001	8.24
		N1716/N1736	40x80x2 (#)	2.315	0.001	8.24
		N1735/N1736	40x80x2 (#)	0.725	0.000	2.58
		N1732/N1733	40x80x2 (#)	0.725	0.000	2.58
		N1568/N1548	40x80x2 (#)	0.725	0.000	2.58
		N1594/N1620	40x80x2 (#)	0.725	0.000	2.58
		N1646/N1672	40x80x2 (#)	0.725	0.000	2.58
		N1738/N1737	40x80x2 (#)	0.725	0.000	2.58
		N1698/N1724	40x80x2 (#)	0.725	0.000	2.58
		N1739/N1740	40x80x2 (#)	0.725	0.000	2.58
		N1741/N1742	40x80x2 (#)	0.725	0.000	2.58
		N1536/N964	40x80x2 (#)	1.075	0.000	3.83
		N1604/N984	40x80x2 (#)	1.075	0.000	3.83
		N1656/N1024	40x80x2 (#)	1.075	0.000	3.83
		N1726/N1097	40x80x2 (#)	1.075	0.000	3.83
		N1727/N1100	40x80x2 (#)	1.075	0.000	3.83
		N1708/N1064	40x80x2 (#)	1.075	0.000	3.83
		N1729/N1102	40x80x2 (#)	1.075	0.000	3.83
		N1542/N970	40x80x2 (#)	1.075	0.000	3.83
		N1612/N990	40x80x2 (#)	1.075	0.000	3.83
		N1664/N1030	40x80x2 (#)	1.075	0.000	3.83
		N1733/N1104	40x80x2 (#)	1.075	0.000	3.83
		N1734/N1103	40x80x2 (#)	1.075	0.000	3.83
		N1716/N1070	40x80x2 (#)	1.075	0.000	3.83
		N1736/N1107	40x80x2 (#)	1.075	0.000	3.83
		N1548/N976	40x80x2 (#)	1.075	0.000	3.83
		N1620/N996	40x80x2 (#)	1.075	0.000	3.83
		N1672/N1036	40x80x2 (#)	1.075	0.000	3.83
		N1742/N1113	40x80x2 (#)	1.075	0.000	3.83
		N1737/N1110	40x80x2 (#)	1.075	0.000	3.83
		N1724/N1076	40x80x2 (#)	1.075	0.000	3.83
		N1740/N1111	40x80x2 (#)	1.075	0.000	3.83
		N1630/N1725	40x80x2 (#)	2.315	0.001	8.24
		N1656/N1726	40x80x2 (#)	2.315	0.001	8.24
		N1550/N1570	40x60x1.5 (#)	2.315	0.001	5.18
		N1551/N1571	40x60x1.5 (#)	2.315	0.001	5.18
		N1552/N1572	40x60x1.5 (#)	2.315	0.001	5.18
		N1553/N1574	40x60x1.5 (#)	2.315	0.001	5.18
		N1554/N1575	40x60x1.5 (#)	2.315	0.001	5.18
		N1555/N1576	40x60x1.5 (#)	2.315	0.001	5.18
		N1570/N1622	40x60x1.5 (#)	2.315	0.001	5.18
		N1571/N1623	40x60x1.5 (#)	2.315	0.001	5.18
		N1572/N1624	40x60x1.5 (#)	2.315	0.001	5.18
		N1574/N1626	40x60x1.5 (#)	2.315	0.001	5.18
		N1575/N1627	40x60x1.5 (#)	2.315	0.001	5.18
		N1576/N1628	40x60x1.5 (#)	2.315	0.001	5.18
		N1743/N1674	40x60x1.5 (#)	2.315	0.001	5.18
		N1744/N1675	40x60x1.5 (#)	2.315	0.001	5.18
		N1745/N1676	40x60x1.5 (#)	2.315	0.001	5.18
		N1746/N1678	40x60x1.5 (#)	2.315	0.001	5.18
		N1747/N1679	40x60x1.5 (#)	2.315	0.001	5.18
		N1748/N1680	40x60x1.5 (#)	2.315	0.001	5.18
		N1674/N1749	40x60x1.5 (#)	2.315	0.001	5.18
		N1675/N1750	40x60x1.5 (#)	2.315	0.001	5.18
		N1676/N1751	40x60x1.5 (#)	2.315	0.001	5.18
		N1678/N1752	40x60x1.5 (#)	2.315	0.001	5.18
		N1679/N1753	40x60x1.5 (#)	2.315	0.001	5.18
		N1680/N1754	40x60x1.5 (#)	2.315	0.001	5.18
		N1683/N1755	40x60x1.5 (#)	2.315	0.001	5.18
		N1684/N1756	40x60x1.5 (#)	2.315	0.001	5.18
		N1687/N1757	40x60x1.5 (#)	2.315	0.001	5.18
		N1688/N1758	40x60x1.5 (#)	2.315	0.001	5.18
		N1686/N1759	40x60x1.5 (#)	2.315	0.001	5.18
		N1760/N1683	40x60x1.5 (#)	2.315	0.001	5.18
		N1761/N1684	40x60x1.5 (#)	2.315	0.001	5.18
		N1762/N1687	40x60x1.5 (#)	2.315	0.001	5.18
		N1763/N1688	40x60x1.5 (#)	2.315	0.001	5.18
		N1764/N1686	40x60x1.5 (#)	2.315	0.001	5.18
		N1579/N1631	40x60x1.5 (#)	2.315	0.001	5.18
		N1580/N1632	40x60x1.5 (#)	2.315	0.001	5.18
		N1583/N1635	40x60x1.5 (#)	2.315	0.001	5.18
		N1584/N1636	40x60x1.5 (#)	2.315	0.001	5.18
		N1582/N1634	40x60x1.5 (#)	2.315	0.001	5.18
		N1557/N1579	40x60x1.5 (#)	2.315	0.001	5.18
		N1558/N1580	40x60x1.5 (#)	2.315	0.001	5.18
		N1560/N1583	40x60x1.5 (#)	2.315	0.001	5.18
		N1561/N1584	40x60x1.5 (#)	2.315	0.001	5.18
		N1559/N1582	40x60x1.5 (#)	2.315	0.001	5.18
		N1565/N1590	40x60x1.5 (#)	2.315	0.001	5.18
		N1566/N1591	40x60x1.5 (#)	2.315	0.001	5.18
		N1567/N1592	40x60x1.5 (#)	2.315	0.001	5.18
		N1564/N1588	40x60x1.5 (#)	2.315	0.001	5.18
		N1563/N1587	40x60x1.5 (#)	2.315	0.001	5.18
		N1590/N1642	40x60x1.5 (#)	2.315	0.001	5.18
		N1591/N1643	40x60x1.5 (#)	2.315	0.001	5.18
		N1592/N1644	40x60x1.5 (#)	2.315	0.001	5.18
		N1588/N1640	40x60x1.5 (#)	2.315	0.001	5.18
		N1587/N1639	40x60x1.5 (#)	2.315	0.001	5.18
		N1765/N1694	40x60x1.5 (#)	2.315	0.001	5.18
		N1766/N1695	40x60x1.5 (#)	2.315	0.001	5.18
		N1767/N1696	40x60x1.5 (#)	2.315	0.001	5.18
		N1768/N1692	40x60x1.5 (#)	2.315	0.001	5.18
		N1769/N1691	40x60x1.5 (#)	2.315	0.001	5.18
		N1694/N1770	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N1696/N1771	40x60x1.5 (#)	2.315	0.001	5.18
		N1695/N1772	40x60x1.5 (#)	2.315	0.001	5.18
		N1691/N1773	40x60x1.5 (#)	2.315	0.001	5.18
		N1692/N1774	40x60x1.5 (#)	2.315	0.001	5.18
		N1530/N1596	40x60x1.5 (#)	2.315	0.001	5.18
		N1531/N1597	40x60x1.5 (#)	2.315	0.001	5.18
		N1532/N1599	40x60x1.5 (#)	2.315	0.001	5.18
		N1533/N1600	40x60x1.5 (#)	2.315	0.001	5.18
		N1534/N1601	40x60x1.5 (#)	2.315	0.001	5.18
		N1535/N1603	40x60x1.5 (#)	2.315	0.001	5.18
		N1596/N1648	40x60x1.5 (#)	2.315	0.001	5.18
		N1597/N1649	40x60x1.5 (#)	2.315	0.001	5.18
		N1599/N1651	40x60x1.5 (#)	2.315	0.001	5.18
		N1600/N1652	40x60x1.5 (#)	2.315	0.001	5.18
		N1601/N1653	40x60x1.5 (#)	2.315	0.001	5.18
		N1603/N1655	40x60x1.5 (#)	2.315	0.001	5.18
		N1775/N1700	40x60x1.5 (#)	2.315	0.001	5.18
		N1776/N1701	40x60x1.5 (#)	2.315	0.001	5.18
		N1777/N1703	40x60x1.5 (#)	2.315	0.001	5.18
		N1778/N1704	40x60x1.5 (#)	2.315	0.001	5.18
		N1779/N1705	40x60x1.5 (#)	2.315	0.001	5.18
		N1780/N1707	40x60x1.5 (#)	2.315	0.001	5.18
		N1700/N1781	40x60x1.5 (#)	2.315	0.001	5.18
		N1701/N1782	40x60x1.5 (#)	2.315	0.001	5.18
		N1703/N1783	40x60x1.5 (#)	2.315	0.001	5.18
		N1704/N1784	40x60x1.5 (#)	2.315	0.001	5.18
		N1705/N1785	40x60x1.5 (#)	2.315	0.001	5.18
		N1707/N1786	40x60x1.5 (#)	2.315	0.001	5.18
		N1709/N1787	40x60x1.5 (#)	2.315	0.001	5.18
		N1711/N1788	40x60x1.5 (#)	2.315	0.001	5.18
		N1713/N1789	40x60x1.5 (#)	2.315	0.001	5.18
		N1715/N1790	40x60x1.5 (#)	2.315	0.001	5.18
		N1712/N1791	40x60x1.5 (#)	2.315	0.001	5.18
		N1792/N1709	40x60x1.5 (#)	2.315	0.001	5.18
		N1793/N1711	40x60x1.5 (#)	2.315	0.001	5.18
		N1794/N1713	40x60x1.5 (#)	2.315	0.001	5.18
		N1795/N1715	40x60x1.5 (#)	2.315	0.001	5.18
		N1796/N1712	40x60x1.5 (#)	2.315	0.001	5.18
		N1605/N1657	40x60x1.5 (#)	2.315	0.001	5.18
		N1607/N1659	40x60x1.5 (#)	2.315	0.001	5.18
		N1609/N1661	40x60x1.5 (#)	2.315	0.001	5.18
		N1611/N1663	40x60x1.5 (#)	2.315	0.001	5.18
		N1608/N1660	40x60x1.5 (#)	2.315	0.001	5.18
		N1537/N1605	40x60x1.5 (#)	2.315	0.001	5.18
		N1538/N1607	40x60x1.5 (#)	2.315	0.001	5.18
		N1540/N1609	40x60x1.5 (#)	2.315	0.001	5.18
		N1541/N1611	40x60x1.5 (#)	2.315	0.001	5.18
		N1539/N1608	40x60x1.5 (#)	2.315	0.001	5.18
		N1545/N1616	40x60x1.5 (#)	2.315	0.001	5.18
		N1546/N1617	40x60x1.5 (#)	2.315	0.001	5.18
		N1547/N1619	40x60x1.5 (#)	2.315	0.001	5.18
		N1544/N1615	40x60x1.5 (#)	2.315	0.001	5.18
		N1543/N1613	40x60x1.5 (#)	2.315	0.001	5.18
		N1616/N1668	40x60x1.5 (#)	2.315	0.001	5.18
		N1617/N1669	40x60x1.5 (#)	2.315	0.001	5.18
		N1619/N1671	40x60x1.5 (#)	2.315	0.001	5.18
		N1615/N1667	40x60x1.5 (#)	2.315	0.001	5.18
		N1613/N1665	40x60x1.5 (#)	2.315	0.001	5.18
		N1797/N1720	40x60x1.5 (#)	2.315	0.001	5.18
		N1798/N1721	40x60x1.5 (#)	2.315	0.001	5.18
		N1799/N1723	40x60x1.5 (#)	2.315	0.001	5.18
		N1800/N1719	40x60x1.5 (#)	2.315	0.001	5.18
		N1801/N1717	40x60x1.5 (#)	2.315	0.001	5.18
		N1720/N1802	40x60x1.5 (#)	2.315	0.001	5.18
		N1723/N1803	40x60x1.5 (#)	2.315	0.001	5.18
		N1721/N1804	40x60x1.5 (#)	2.315	0.001	5.18
		N1717/N1805	40x60x1.5 (#)	2.315	0.001	5.18
		N1719/N1806	40x60x1.5 (#)	2.315	0.001	5.18
		N1622/N1807	40x60x1.5 (#)	2.315	0.001	5.18
		N1623/N1808	40x60x1.5 (#)	2.315	0.001	5.18
		N1624/N1809	40x60x1.5 (#)	2.315	0.001	5.18
		N1626/N1810	40x60x1.5 (#)	2.315	0.001	5.18
		N1627/N1811	40x60x1.5 (#)	2.315	0.001	5.18
		N1628/N1812	40x60x1.5 (#)	2.315	0.001	5.18
		N1631/N1813	40x60x1.5 (#)	2.315	0.001	5.18
		N1632/N1814	40x60x1.5 (#)	2.315	0.001	5.18
		N1635/N1815	40x60x1.5 (#)	2.315	0.001	5.18
		N1636/N1816	40x60x1.5 (#)	2.315	0.001	5.18
		N1634/N1817	40x60x1.5 (#)	2.315	0.001	5.18
		N1642/N1818	40x60x1.5 (#)	2.315	0.001	5.18
		N1643/N1819	40x60x1.5 (#)	2.315	0.001	5.18
		N1644/N1820	40x60x1.5 (#)	2.315	0.001	5.18
		N1640/N1821	40x60x1.5 (#)	2.315	0.001	5.18
		N1639/N1822	40x60x1.5 (#)	2.315	0.001	5.18
		N1648/N1823	40x60x1.5 (#)	2.315	0.001	5.18
		N1649/N1824	40x60x1.5 (#)	2.315	0.001	5.18
		N1651/N1825	40x60x1.5 (#)	2.315	0.001	5.18
		N1652/N1826	40x60x1.5 (#)	2.315	0.001	5.18
		N1653/N1827	40x60x1.5 (#)	2.315	0.001	5.18
		N1655/N1828	40x60x1.5 (#)	2.315	0.001	5.18
		N1657/N1829	40x60x1.5 (#)	2.315	0.001	5.18
		N1659/N1830	40x60x1.5 (#)	2.315	0.001	5.18
		N1661/N1831	40x60x1.5 (#)	2.315	0.001	5.18
		N1663/N1832	40x60x1.5 (#)	2.315	0.001	5.18
		N1660/N1833	40x60x1.5 (#)	2.315	0.001	5.18
		N1668/N1834	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N1669/N1835	40x60x1.5 (#)	2.315	0.001	5.18
		N1671/N1836	40x60x1.5 (#)	2.315	0.001	5.18
		N1667/N1837	40x60x1.5 (#)	2.315	0.001	5.18
		N1665/N1838	40x60x1.5 (#)	2.315	0.001	5.18
		N1839/N1725	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1725/N1732	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1732/N1741	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1846/N1726	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1726/N1733	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1733/N1742	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1853/N1728	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1728/N1731	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1731/N1738	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1860/N1727	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1727/N1734	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1734/N1737	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1867/N1730	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1730/N1735	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1735/N1739	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1874/N1729	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1729/N1736	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1736/N1740	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1664/N1733	40x80x2 (#)	2.315	0.001	8.24
		N1638/N1732	40x80x2 (#)	2.315	0.001	8.24
		N1881/N1888	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1888/N1894	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1894/N1900	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1901/N1908	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1908/N1914	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1914/N1920	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1921/N1930	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1930/N1938	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1938/N1946	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1947/N1956	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1956/N1964	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1964/N1972	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1973/N1982	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N1982/N1990	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1990/N1998	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1999/N2008	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2008/N2016	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2016/N2024	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2025/N2034	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2034/N2042	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2042/N2050	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2051/N2060	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2060/N2068	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2068/N2076	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N1908/N1888	40x80x2 (#)	0.725	0.000	2.58
		N1908/N1930	40x80x2 (#)	2.315	0.001	8.24
		N1930/N1956	40x80x2 (#)	0.725	0.000	2.58
		N1888/N1956	40x80x2 (#)	2.315	0.001	8.24
		N1930/N1982	40x80x2 (#)	2.315	0.001	8.24
		N1982/N2008	40x80x2 (#)	0.725	0.000	2.58
		N1956/N2008	40x80x2 (#)	2.315	0.001	8.24
		N2077/N2078	40x80x2 (#)	0.725	0.000	2.58
		N2078/N2079	40x80x2 (#)	1.575	0.001	5.61
		N2080/N2079	40x80x2 (#)	0.725	0.000	2.58
		N2077/N2080	40x80x2 (#)	1.575	0.001	5.61
		N2079/N2060	40x80x2 (#)	2.315	0.001	8.24
		N2034/N2060	40x80x2 (#)	0.725	0.000	2.58
		N2080/N2034	40x80x2 (#)	2.315	0.001	8.24
		N2060/N2081	40x80x2 (#)	2.315	0.001	8.24
		N2082/N2081	40x80x2 (#)	0.725	0.000	2.58
		N2034/N2082	40x80x2 (#)	2.315	0.001	8.24
		N1914/N1894	40x80x2 (#)	0.725	0.000	2.58
		N1894/N1964	40x80x2 (#)	2.315	0.001	8.24
		N1914/N1938	40x80x2 (#)	2.315	0.001	8.24
		N1938/N1964	40x80x2 (#)	0.725	0.000	2.58
		N1938/N1990	40x80x2 (#)	2.315	0.001	8.24
		N1964/N2016	40x80x2 (#)	2.315	0.001	8.24
		N1990/N2016	40x80x2 (#)	0.725	0.000	2.58
		N2084/N2083	40x80x2 (#)	1.575	0.001	5.61
		N2085/N2086	40x80x2 (#)	1.575	0.001	5.61
		N2083/N2086	40x80x2 (#)	0.725	0.000	2.58
		N2086/N2068	40x80x2 (#)	2.315	0.001	8.24
		N2042/N2068	40x80x2 (#)	0.725	0.000	2.58
		N2083/N2042	40x80x2 (#)	2.315	0.001	8.24
		N2042/N2087	40x80x2 (#)	2.315	0.001	8.24
		N2068/N2088	40x80x2 (#)	2.315	0.001	8.24
		N2087/N2088	40x80x2 (#)	0.725	0.000	2.58
		N2084/N2085	40x80x2 (#)	0.725	0.000	2.58
		N1920/N1900	40x80x2 (#)	0.725	0.000	2.58
		N1946/N1972	40x80x2 (#)	0.725	0.000	2.58
		N1998/N2024	40x80x2 (#)	0.725	0.000	2.58
		N2090/N2089	40x80x2 (#)	0.725	0.000	2.58
		N2050/N2076	40x80x2 (#)	0.725	0.000	2.58
		N2091/N2092	40x80x2 (#)	0.725	0.000	2.58
		N2093/N2094	40x80x2 (#)	0.725	0.000	2.58
		N1888/N1556	40x80x2 (#)	1.075	0.000	3.83
		N1956/N1578	40x80x2 (#)	1.075	0.000	3.83
		N2008/N1630	40x80x2 (#)	1.075	0.000	3.83
		N2078/N1725	40x80x2 (#)	1.075	0.000	3.83
		N2079/N1728	40x80x2 (#)	1.075	0.000	3.83
		N2060/N1682	40x80x2 (#)	1.075	0.000	3.83
		N2081/N1730	40x80x2 (#)	1.075	0.000	3.83

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N1894/N1562	40x80x2 (#)	1.075	0.000	3.83
		N1964/N1586	40x80x2 (#)	1.075	0.000	3.83
		N2016/N1638	40x80x2 (#)	1.075	0.000	3.83
		N2085/N1732	40x80x2 (#)	1.075	0.000	3.83
		N2086/N1731	40x80x2 (#)	1.075	0.000	3.83
		N2068/N1690	40x80x2 (#)	1.075	0.000	3.83
		N2088/N1735	40x80x2 (#)	1.075	0.000	3.83
		N1900/N1568	40x80x2 (#)	1.075	0.000	3.83
		N1972/N1594	40x80x2 (#)	1.075	0.000	3.83
		N2024/N1646	40x80x2 (#)	1.075	0.000	3.83
		N2094/N1741	40x80x2 (#)	1.075	0.000	3.83
		N2089/N1738	40x80x2 (#)	1.075	0.000	3.83
		N2076/N1698	40x80x2 (#)	1.075	0.000	3.83
		N2092/N1739	40x80x2 (#)	1.075	0.000	3.83
		N1982/N2077	40x80x2 (#)	2.315	0.001	8.24
		N2008/N2078	40x80x2 (#)	2.315	0.001	8.24
		N1902/N1922	40x60x1.5 (#)	2.315	0.001	5.18
		N1903/N1923	40x60x1.5 (#)	2.315	0.001	5.18
		N1904/N1924	40x60x1.5 (#)	2.315	0.001	5.18
		N1905/N1926	40x60x1.5 (#)	2.315	0.001	5.18
		N1906/N1927	40x60x1.5 (#)	2.315	0.001	5.18
		N1907/N1928	40x60x1.5 (#)	2.315	0.001	5.18
		N1922/N1974	40x60x1.5 (#)	2.315	0.001	5.18
		N1923/N1975	40x60x1.5 (#)	2.315	0.001	5.18
		N1924/N1976	40x60x1.5 (#)	2.315	0.001	5.18
		N1926/N1978	40x60x1.5 (#)	2.315	0.001	5.18
		N1927/N1979	40x60x1.5 (#)	2.315	0.001	5.18
		N1928/N1980	40x60x1.5 (#)	2.315	0.001	5.18
		N2095/N2026	40x60x1.5 (#)	2.315	0.001	5.18
		N2096/N2027	40x60x1.5 (#)	2.315	0.001	5.18
		N2097/N2028	40x60x1.5 (#)	2.315	0.001	5.18
		N2098/N2030	40x60x1.5 (#)	2.315	0.001	5.18
		N2099/N2031	40x60x1.5 (#)	2.315	0.001	5.18
		N2100/N2032	40x60x1.5 (#)	2.315	0.001	5.18
		N2026/N2101	40x60x1.5 (#)	2.315	0.001	5.18
		N2027/N2102	40x60x1.5 (#)	2.315	0.001	5.18
		N2028/N2103	40x60x1.5 (#)	2.315	0.001	5.18
		N2030/N2104	40x60x1.5 (#)	2.315	0.001	5.18
		N2031/N2105	40x60x1.5 (#)	2.315	0.001	5.18
		N2032/N2106	40x60x1.5 (#)	2.315	0.001	5.18
		N2035/N2107	40x60x1.5 (#)	2.315	0.001	5.18
		N2036/N2108	40x60x1.5 (#)	2.315	0.001	5.18
		N2039/N2109	40x60x1.5 (#)	2.315	0.001	5.18
		N2040/N2110	40x60x1.5 (#)	2.315	0.001	5.18
		N2038/N2111	40x60x1.5 (#)	2.315	0.001	5.18
		N2112/N2035	40x60x1.5 (#)	2.315	0.001	5.18
		N2113/N2036	40x60x1.5 (#)	2.315	0.001	5.18
		N2114/N2039	40x60x1.5 (#)	2.315	0.001	5.18
		N2115/N2040	40x60x1.5 (#)	2.315	0.001	5.18
		N2116/N2038	40x60x1.5 (#)	2.315	0.001	5.18
		N1931/N1983	40x60x1.5 (#)	2.315	0.001	5.18
		N1932/N1984	40x60x1.5 (#)	2.315	0.001	5.18
		N1935/N1987	40x60x1.5 (#)	2.315	0.001	5.18
		N1936/N1988	40x60x1.5 (#)	2.315	0.001	5.18
		N1934/N1986	40x60x1.5 (#)	2.315	0.001	5.18
		N1909/N1931	40x60x1.5 (#)	2.315	0.001	5.18
		N1910/N1932	40x60x1.5 (#)	2.315	0.001	5.18
		N1912/N1935	40x60x1.5 (#)	2.315	0.001	5.18
		N1913/N1936	40x60x1.5 (#)	2.315	0.001	5.18
		N1911/N1934	40x60x1.5 (#)	2.315	0.001	5.18
		N1917/N1942	40x60x1.5 (#)	2.315	0.001	5.18
		N1918/N1943	40x60x1.5 (#)	2.315	0.001	5.18
		N1919/N1944	40x60x1.5 (#)	2.315	0.001	5.18
		N1916/N1940	40x60x1.5 (#)	2.315	0.001	5.18
		N1915/N1939	40x60x1.5 (#)	2.315	0.001	5.18
		N1942/N1994	40x60x1.5 (#)	2.315	0.001	5.18
		N1943/N1995	40x60x1.5 (#)	2.315	0.001	5.18
		N1944/N1996	40x60x1.5 (#)	2.315	0.001	5.18
		N1940/N1992	40x60x1.5 (#)	2.315	0.001	5.18
		N1939/N1991	40x60x1.5 (#)	2.315	0.001	5.18
		N2117/N2046	40x60x1.5 (#)	2.315	0.001	5.18
		N2118/N2047	40x60x1.5 (#)	2.315	0.001	5.18
		N2119/N2048	40x60x1.5 (#)	2.315	0.001	5.18
		N2120/N2044	40x60x1.5 (#)	2.315	0.001	5.18
		N2121/N2043	40x60x1.5 (#)	2.315	0.001	5.18
		N2046/N2122	40x60x1.5 (#)	2.315	0.001	5.18
		N2048/N2123	40x60x1.5 (#)	2.315	0.001	5.18
		N2047/N2124	40x60x1.5 (#)	2.315	0.001	5.18
		N2043/N2125	40x60x1.5 (#)	2.315	0.001	5.18
		N2044/N2126	40x60x1.5 (#)	2.315	0.001	5.18
		N1882/N1948	40x60x1.5 (#)	2.315	0.001	5.18
		N1883/N1949	40x60x1.5 (#)	2.315	0.001	5.18
		N1884/N1951	40x60x1.5 (#)	2.315	0.001	5.18
		N1885/N1952	40x60x1.5 (#)	2.315	0.001	5.18
		N1886/N1953	40x60x1.5 (#)	2.315	0.001	5.18
		N1887/N1955	40x60x1.5 (#)	2.315	0.001	5.18
		N1948/N2000	40x60x1.5 (#)	2.315	0.001	5.18
		N1949/N2001	40x60x1.5 (#)	2.315	0.001	5.18
		N1951/N2003	40x60x1.5 (#)	2.315	0.001	5.18
		N1952/N2004	40x60x1.5 (#)	2.315	0.001	5.18
		N1953/N2005	40x60x1.5 (#)	2.315	0.001	5.18
		N1955/N2007	40x60x1.5 (#)	2.315	0.001	5.18
		N2127/N2052	40x60x1.5 (#)	2.315	0.001	5.18
		N2128/N2053	40x60x1.5 (#)	2.315	0.001	5.18
		N2129/N2055	40x60x1.5 (#)	2.315	0.001	5.18
		N2130/N2056	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2131/N2057	40x60x1.5 (#)	2.315	0.001	5.18
		N2132/N2059	40x60x1.5 (#)	2.315	0.001	5.18
		N2052/N2133	40x60x1.5 (#)	2.315	0.001	5.18
		N2053/N2134	40x60x1.5 (#)	2.315	0.001	5.18
		N2055/N2135	40x60x1.5 (#)	2.315	0.001	5.18
		N2056/N2136	40x60x1.5 (#)	2.315	0.001	5.18
		N2057/N2137	40x60x1.5 (#)	2.315	0.001	5.18
		N2059/N2138	40x60x1.5 (#)	2.315	0.001	5.18
		N2061/N2139	40x60x1.5 (#)	2.315	0.001	5.18
		N2063/N2140	40x60x1.5 (#)	2.315	0.001	5.18
		N2065/N2141	40x60x1.5 (#)	2.315	0.001	5.18
		N2067/N2142	40x60x1.5 (#)	2.315	0.001	5.18
		N2064/N2143	40x60x1.5 (#)	2.315	0.001	5.18
		N2144/N2061	40x60x1.5 (#)	2.315	0.001	5.18
		N2145/N2063	40x60x1.5 (#)	2.315	0.001	5.18
		N2146/N2065	40x60x1.5 (#)	2.315	0.001	5.18
		N2147/N2067	40x60x1.5 (#)	2.315	0.001	5.18
		N2148/N2064	40x60x1.5 (#)	2.315	0.001	5.18
		N1957/N2009	40x60x1.5 (#)	2.315	0.001	5.18
		N1959/N2011	40x60x1.5 (#)	2.315	0.001	5.18
		N1961/N2013	40x60x1.5 (#)	2.315	0.001	5.18
		N1963/N2015	40x60x1.5 (#)	2.315	0.001	5.18
		N1960/N2012	40x60x1.5 (#)	2.315	0.001	5.18
		N1889/N1957	40x60x1.5 (#)	2.315	0.001	5.18
		N1890/N1959	40x60x1.5 (#)	2.315	0.001	5.18
		N1892/N1961	40x60x1.5 (#)	2.315	0.001	5.18
		N1893/N1963	40x60x1.5 (#)	2.315	0.001	5.18
		N1891/N1960	40x60x1.5 (#)	2.315	0.001	5.18
		N1897/N1968	40x60x1.5 (#)	2.315	0.001	5.18
		N1898/N1969	40x60x1.5 (#)	2.315	0.001	5.18
		N1899/N1971	40x60x1.5 (#)	2.315	0.001	5.18
		N1896/N1967	40x60x1.5 (#)	2.315	0.001	5.18
		N1895/N1965	40x60x1.5 (#)	2.315	0.001	5.18
		N1968/N2020	40x60x1.5 (#)	2.315	0.001	5.18
		N1969/N2021	40x60x1.5 (#)	2.315	0.001	5.18
		N1971/N2023	40x60x1.5 (#)	2.315	0.001	5.18
		N1967/N2019	40x60x1.5 (#)	2.315	0.001	5.18
		N1965/N2017	40x60x1.5 (#)	2.315	0.001	5.18
		N2149/N2072	40x60x1.5 (#)	2.315	0.001	5.18
		N2150/N2073	40x60x1.5 (#)	2.315	0.001	5.18
		N2151/N2075	40x60x1.5 (#)	2.315	0.001	5.18
		N2152/N2071	40x60x1.5 (#)	2.315	0.001	5.18
		N2153/N2069	40x60x1.5 (#)	2.315	0.001	5.18
		N2072/N2154	40x60x1.5 (#)	2.315	0.001	5.18
		N2075/N2155	40x60x1.5 (#)	2.315	0.001	5.18
		N2073/N2156	40x60x1.5 (#)	2.315	0.001	5.18
		N2069/N2157	40x60x1.5 (#)	2.315	0.001	5.18
		N2071/N2158	40x60x1.5 (#)	2.315	0.001	5.18
		N1974/N2159	40x60x1.5 (#)	2.315	0.001	5.18
		N1975/N2160	40x60x1.5 (#)	2.315	0.001	5.18
		N1976/N2161	40x60x1.5 (#)	2.315	0.001	5.18
		N1978/N2162	40x60x1.5 (#)	2.315	0.001	5.18
		N1979/N2163	40x60x1.5 (#)	2.315	0.001	5.18
		N1980/N2164	40x60x1.5 (#)	2.315	0.001	5.18
		N1983/N2165	40x60x1.5 (#)	2.315	0.001	5.18
		N1984/N2166	40x60x1.5 (#)	2.315	0.001	5.18
		N1987/N2167	40x60x1.5 (#)	2.315	0.001	5.18
		N1988/N2168	40x60x1.5 (#)	2.315	0.001	5.18
		N1986/N2169	40x60x1.5 (#)	2.315	0.001	5.18
		N1994/N2170	40x60x1.5 (#)	2.315	0.001	5.18
		N1995/N2171	40x60x1.5 (#)	2.315	0.001	5.18
		N1996/N2172	40x60x1.5 (#)	2.315	0.001	5.18
		N1992/N2173	40x60x1.5 (#)	2.315	0.001	5.18
		N1991/N2174	40x60x1.5 (#)	2.315	0.001	5.18
		N2000/N2175	40x60x1.5 (#)	2.315	0.001	5.18
		N2001/N2176	40x60x1.5 (#)	2.315	0.001	5.18
		N2003/N2177	40x60x1.5 (#)	2.315	0.001	5.18
		N2004/N2178	40x60x1.5 (#)	2.315	0.001	5.18
		N2005/N2179	40x60x1.5 (#)	2.315	0.001	5.18
		N2007/N2180	40x60x1.5 (#)	2.315	0.001	5.18
		N2009/N2181	40x60x1.5 (#)	2.315	0.001	5.18
		N2011/N2182	40x60x1.5 (#)	2.315	0.001	5.18
		N2013/N2183	40x60x1.5 (#)	2.315	0.001	5.18
		N2015/N2184	40x60x1.5 (#)	2.315	0.001	5.18
		N2012/N2185	40x60x1.5 (#)	2.315	0.001	5.18
		N2020/N2186	40x60x1.5 (#)	2.315	0.001	5.18
		N2021/N2187	40x60x1.5 (#)	2.315	0.001	5.18
		N2023/N2188	40x60x1.5 (#)	2.315	0.001	5.18
		N2019/N2189	40x60x1.5 (#)	2.315	0.001	5.18
		N2017/N2190	40x60x1.5 (#)	2.315	0.001	5.18
		N2191/N2077	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2077/N2084	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2084/N2093	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2198/N2078	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2078/N2085	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2085/N2094	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2205/N2080	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2080/N2083	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2083/N2090	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2212/N2079	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2079/N2086	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2086/N2089	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2219/N2082	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2082/N2087	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2087/N2091	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2226/N2081	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2081/N2088	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2088/N2092	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2016/N2085	40x80x2 (#)	2.315	0.001	8.24
		N1990/N2084	40x80x2 (#)	2.315	0.001	8.24
		N1902/N1882	CF-60x2.0 (C)	0.725	0.000	1.77
		N1902/N1884	CF-60x2.0 (C)	1.140	0.000	2.79
		N1884/N1905	CF-60x2.0 (C)	0.848	0.000	2.08
		N1905/N1887	CF-60x2.0 (C)	1.140	0.000	2.79
		N1887/N1908	CF-60x2.0 (C)	0.886	0.000	2.17
		N1550/N1530	CF-60x2.0 (C)	0.725	0.000	1.77
		N1550/N1532	CF-60x2.0 (C)	1.140	0.000	2.79
		N1532/N1553	CF-60x2.0 (C)	0.848	0.000	2.08
		N1553/N1535	CF-60x2.0 (C)	1.140	0.000	2.79
		N1535/N1556	CF-60x2.0 (C)	0.886	0.000	2.17
		N1908/N1890	CF-60x2.0 (C)	1.140	0.000	2.79
		N1890/N1911	CF-60x2.0 (C)	0.853	0.000	2.09
		N1911/N1893	CF-60x2.0 (C)	1.140	0.000	2.79
		N1893/N1914	CF-60x2.0 (C)	0.853	0.000	2.09
		N1914/N1896	CF-60x2.0 (C)	1.140	0.000	2.79
		N1896/N1917	CF-60x2.0 (C)	0.853	0.000	2.09
		N1917/N1899	CF-60x2.0 (C)	1.140	0.000	2.79
		N1899/N1920	CF-60x2.0 (C)	0.853	0.000	2.09
		N1556/N1538	CF-60x2.0 (C)	1.140	0.000	2.79
		N1538/N1559	CF-60x2.0 (C)	0.853	0.000	2.09
		N1559/N1541	CF-60x2.0 (C)	1.140	0.000	2.79
		N1541/N1562	CF-60x2.0 (C)	0.853	0.000	2.09
		N1562/N1544	CF-60x2.0 (C)	1.140	0.000	2.79
		N1544/N1565	CF-60x2.0 (C)	0.853	0.000	2.09
		N1565/N1547	CF-60x2.0 (C)	1.140	0.000	2.79
		N1547/N1568	CF-60x2.0 (C)	0.853	0.000	2.09
		N2233/N2240	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2240/N2246	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2246/N2252	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2253/N2260	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2260/N2266	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2266/N2272	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2273/N2282	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2282/N2290	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2290/N2298	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2299/N2308	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2308/N2316	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2316/N2324	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2325/N2334	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2334/N2342	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2342/N2350	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2351/N2360	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2360/N2368	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2368/N2376	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2377/N2386	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2386/N2394	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2394/N2402	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2403/N2412	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2412/N2420	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2420/N2428	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2260/N2240	40x80x2 (#)	0.725	0.000	2.58
		N2260/N2282	40x80x2 (#)	2.315	0.001	8.24
		N2282/N2308	40x80x2 (#)	0.725	0.000	2.58
		N2240/N2308	40x80x2 (#)	2.315	0.001	8.24
		N2282/N2334	40x80x2 (#)	2.315	0.001	8.24
		N2334/N2360	40x80x2 (#)	0.725	0.000	2.58
		N2308/N2360	40x80x2 (#)	2.315	0.001	8.24
		N2429/N2430	40x80x2 (#)	0.725	0.000	2.58
		N2430/N2431	40x80x2 (#)	1.575	0.001	5.61
		N2432/N2431	40x80x2 (#)	0.725	0.000	2.58
		N2429/N2432	40x80x2 (#)	1.575	0.001	5.61
		N2431/N2412	40x80x2 (#)	2.315	0.001	8.24
		N2386/N2412	40x80x2 (#)	0.725	0.000	2.58
		N2432/N2386	40x80x2 (#)	2.315	0.001	8.24
		N2412/N2433	40x80x2 (#)	2.315	0.001	8.24
		N2434/N2433	40x80x2 (#)	0.725	0.000	2.58
		N2386/N2434	40x80x2 (#)	2.315	0.001	8.24
		N2266/N2246	40x80x2 (#)	0.725	0.000	2.58
		N2246/N2316	40x80x2 (#)	2.315	0.001	8.24
		N2266/N2290	40x80x2 (#)	2.315	0.001	8.24
		N2290/N2316	40x80x2 (#)	0.725	0.000	2.58
		N2290/N2342	40x80x2 (#)	2.315	0.001	8.24
		N2316/N2368	40x80x2 (#)	2.315	0.001	8.24
		N2342/N2368	40x80x2 (#)	0.725	0.000	2.58
		N2436/N2435	40x80x2 (#)	1.575	0.001	5.61
		N2437/N2438	40x80x2 (#)	1.575	0.001	5.61
		N2435/N2438	40x80x2 (#)	0.725	0.000	2.58
		N2438/N2420	40x80x2 (#)	2.315	0.001	8.24
		N2394/N2420	40x80x2 (#)	0.725	0.000	2.58
		N2435/N2394	40x80x2 (#)	2.315	0.001	8.24
		N2394/N2439	40x80x2 (#)	2.315	0.001	8.24
		N2420/N2440	40x80x2 (#)	2.315	0.001	8.24
		N2439/N2440	40x80x2 (#)	0.725	0.000	2.58
		N2436/N2437	40x80x2 (#)	0.725	0.000	2.58
		N2272/N2252	40x80x2 (#)	0.725	0.000	2.58
		N2298/N2324	40x80x2 (#)	0.725	0.000	2.58
		N2350/N2376	40x80x2 (#)	0.725	0.000	2.58
		N2442/N2441	40x80x2 (#)	0.725	0.000	2.58
		N2402/N2428	40x80x2 (#)	0.725	0.000	2.58
		N2443/N2444	40x80x2 (#)	0.725	0.000	2.58
		N2445/N2446	40x80x2 (#)	0.725	0.000	2.58
		N2240/N1908	40x80x2 (#)	1.075	0.000	3.83

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2308/N1930	40x80x2 (#)	1.075	0.000	3.83
		N2360/N1982	40x80x2 (#)	1.075	0.000	3.83
		N2430/N2077	40x80x2 (#)	1.075	0.000	3.83
		N2431/N2080	40x80x2 (#)	1.075	0.000	3.83
		N2412/N2034	40x80x2 (#)	1.075	0.000	3.83
		N2433/N2082	40x80x2 (#)	1.075	0.000	3.83
		N2246/N1914	40x80x2 (#)	1.075	0.000	3.83
		N2316/N1938	40x80x2 (#)	1.075	0.000	3.83
		N2368/N1990	40x80x2 (#)	1.075	0.000	3.83
		N2437/N2084	40x80x2 (#)	1.075	0.000	3.83
		N2438/N2083	40x80x2 (#)	1.075	0.000	3.83
		N2420/N2042	40x80x2 (#)	1.075	0.000	3.83
		N2440/N2087	40x80x2 (#)	1.075	0.000	3.83
		N2252/N1920	40x80x2 (#)	1.075	0.000	3.83
		N2324/N1946	40x80x2 (#)	1.075	0.000	3.83
		N2376/N1998	40x80x2 (#)	1.075	0.000	3.83
		N2446/N2093	40x80x2 (#)	1.075	0.000	3.83
		N2441/N2090	40x80x2 (#)	1.075	0.000	3.83
		N2428/N2050	40x80x2 (#)	1.075	0.000	3.83
		N2444/N2091	40x80x2 (#)	1.075	0.000	3.83
		N2334/N2429	40x80x2 (#)	2.315	0.001	8.24
		N2360/N2430	40x80x2 (#)	2.315	0.001	8.24
		N2254/N2274	40x60x1.5 (#)	2.315	0.001	5.18
		N2255/N2275	40x60x1.5 (#)	2.315	0.001	5.18
		N2256/N2276	40x60x1.5 (#)	2.315	0.001	5.18
		N2257/N2278	40x60x1.5 (#)	2.315	0.001	5.18
		N2258/N2279	40x60x1.5 (#)	2.315	0.001	5.18
		N2259/N2280	40x60x1.5 (#)	2.315	0.001	5.18
		N2274/N2326	40x60x1.5 (#)	2.315	0.001	5.18
		N2275/N2327	40x60x1.5 (#)	2.315	0.001	5.18
		N2276/N2328	40x60x1.5 (#)	2.315	0.001	5.18
		N2278/N2330	40x60x1.5 (#)	2.315	0.001	5.18
		N2279/N2331	40x60x1.5 (#)	2.315	0.001	5.18
		N2280/N2332	40x60x1.5 (#)	2.315	0.001	5.18
		N2447/N2378	40x60x1.5 (#)	2.315	0.001	5.18
		N2448/N2379	40x60x1.5 (#)	2.315	0.001	5.18
		N2449/N2380	40x60x1.5 (#)	2.315	0.001	5.18
		N2450/N2382	40x60x1.5 (#)	2.315	0.001	5.18
		N2451/N2383	40x60x1.5 (#)	2.315	0.001	5.18
		N2452/N2384	40x60x1.5 (#)	2.315	0.001	5.18
		N2378/N2453	40x60x1.5 (#)	2.315	0.001	5.18
		N2379/N2454	40x60x1.5 (#)	2.315	0.001	5.18
		N2380/N2455	40x60x1.5 (#)	2.315	0.001	5.18
		N2382/N2456	40x60x1.5 (#)	2.315	0.001	5.18
		N2383/N2457	40x60x1.5 (#)	2.315	0.001	5.18
		N2384/N2458	40x60x1.5 (#)	2.315	0.001	5.18
		N2387/N2459	40x60x1.5 (#)	2.315	0.001	5.18
		N2388/N2460	40x60x1.5 (#)	2.315	0.001	5.18
		N2391/N2461	40x60x1.5 (#)	2.315	0.001	5.18
		N2392/N2462	40x60x1.5 (#)	2.315	0.001	5.18
		N2390/N2463	40x60x1.5 (#)	2.315	0.001	5.18
		N2464/N2387	40x60x1.5 (#)	2.315	0.001	5.18
		N2465/N2388	40x60x1.5 (#)	2.315	0.001	5.18
		N2466/N2391	40x60x1.5 (#)	2.315	0.001	5.18
		N2467/N2392	40x60x1.5 (#)	2.315	0.001	5.18
		N2468/N2390	40x60x1.5 (#)	2.315	0.001	5.18
		N2283/N2335	40x60x1.5 (#)	2.315	0.001	5.18
		N2284/N2336	40x60x1.5 (#)	2.315	0.001	5.18
		N2287/N2339	40x60x1.5 (#)	2.315	0.001	5.18
		N2288/N2340	40x60x1.5 (#)	2.315	0.001	5.18
		N2286/N2338	40x60x1.5 (#)	2.315	0.001	5.18
		N2261/N2283	40x60x1.5 (#)	2.315	0.001	5.18
		N2262/N2284	40x60x1.5 (#)	2.315	0.001	5.18
		N2264/N2287	40x60x1.5 (#)	2.315	0.001	5.18
		N2265/N2288	40x60x1.5 (#)	2.315	0.001	5.18
		N2263/N2286	40x60x1.5 (#)	2.315	0.001	5.18
		N2269/N2294	40x60x1.5 (#)	2.315	0.001	5.18
		N2270/N2295	40x60x1.5 (#)	2.315	0.001	5.18
		N2271/N2296	40x60x1.5 (#)	2.315	0.001	5.18
		N2268/N2292	40x60x1.5 (#)	2.315	0.001	5.18
		N2267/N2291	40x60x1.5 (#)	2.315	0.001	5.18
		N2294/N2346	40x60x1.5 (#)	2.315	0.001	5.18
		N2295/N2347	40x60x1.5 (#)	2.315	0.001	5.18
		N2296/N2348	40x60x1.5 (#)	2.315	0.001	5.18
		N2292/N2344	40x60x1.5 (#)	2.315	0.001	5.18
		N2291/N2343	40x60x1.5 (#)	2.315	0.001	5.18
		N2469/N2398	40x60x1.5 (#)	2.315	0.001	5.18
		N2470/N2399	40x60x1.5 (#)	2.315	0.001	5.18
		N2471/N2400	40x60x1.5 (#)	2.315	0.001	5.18
		N2472/N2396	40x60x1.5 (#)	2.315	0.001	5.18
		N2473/N2395	40x60x1.5 (#)	2.315	0.001	5.18
		N2398/N2474	40x60x1.5 (#)	2.315	0.001	5.18
		N2400/N2475	40x60x1.5 (#)	2.315	0.001	5.18
		N2399/N2476	40x60x1.5 (#)	2.315	0.001	5.18
		N2395/N2477	40x60x1.5 (#)	2.315	0.001	5.18
		N2396/N2478	40x60x1.5 (#)	2.315	0.001	5.18
		N2234/N2300	40x60x1.5 (#)	2.315	0.001	5.18
		N2235/N2301	40x60x1.5 (#)	2.315	0.001	5.18
		N2236/N2303	40x60x1.5 (#)	2.315	0.001	5.18
		N2237/N2304	40x60x1.5 (#)	2.315	0.001	5.18
		N2238/N2305	40x60x1.5 (#)	2.315	0.001	5.18
		N2239/N2307	40x60x1.5 (#)	2.315	0.001	5.18
		N2300/N2352	40x60x1.5 (#)	2.315	0.001	5.18
		N2301/N2353	40x60x1.5 (#)	2.315	0.001	5.18
		N2303/N2355	40x60x1.5 (#)	2.315	0.001	5.18
		N2304/N2356	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2305/N2357	40x60x1.5 (#)	2.315	0.001	5.18
		N2307/N2359	40x60x1.5 (#)	2.315	0.001	5.18
		N2479/N2404	40x60x1.5 (#)	2.315	0.001	5.18
		N2480/N2405	40x60x1.5 (#)	2.315	0.001	5.18
		N2481/N2407	40x60x1.5 (#)	2.315	0.001	5.18
		N2482/N2408	40x60x1.5 (#)	2.315	0.001	5.18
		N2483/N2409	40x60x1.5 (#)	2.315	0.001	5.18
		N2484/N2411	40x60x1.5 (#)	2.315	0.001	5.18
		N2404/N2485	40x60x1.5 (#)	2.315	0.001	5.18
		N2405/N2486	40x60x1.5 (#)	2.315	0.001	5.18
		N2407/N2487	40x60x1.5 (#)	2.315	0.001	5.18
		N2408/N2488	40x60x1.5 (#)	2.315	0.001	5.18
		N2409/N2489	40x60x1.5 (#)	2.315	0.001	5.18
		N2411/N2490	40x60x1.5 (#)	2.315	0.001	5.18
		N2413/N2491	40x60x1.5 (#)	2.315	0.001	5.18
		N2415/N2492	40x60x1.5 (#)	2.315	0.001	5.18
		N2417/N2493	40x60x1.5 (#)	2.315	0.001	5.18
		N2419/N2494	40x60x1.5 (#)	2.315	0.001	5.18
		N2416/N2495	40x60x1.5 (#)	2.315	0.001	5.18
		N2496/N2413	40x60x1.5 (#)	2.315	0.001	5.18
		N2497/N2415	40x60x1.5 (#)	2.315	0.001	5.18
		N2498/N2417	40x60x1.5 (#)	2.315	0.001	5.18
		N2499/N2419	40x60x1.5 (#)	2.315	0.001	5.18
		N2500/N2416	40x60x1.5 (#)	2.315	0.001	5.18
		N2309/N2361	40x60x1.5 (#)	2.315	0.001	5.18
		N2311/N2363	40x60x1.5 (#)	2.315	0.001	5.18
		N2313/N2365	40x60x1.5 (#)	2.315	0.001	5.18
		N2315/N2367	40x60x1.5 (#)	2.315	0.001	5.18
		N2312/N2364	40x60x1.5 (#)	2.315	0.001	5.18
		N2241/N2309	40x60x1.5 (#)	2.315	0.001	5.18
		N2242/N2311	40x60x1.5 (#)	2.315	0.001	5.18
		N2244/N2313	40x60x1.5 (#)	2.315	0.001	5.18
		N2245/N2315	40x60x1.5 (#)	2.315	0.001	5.18
		N2243/N2312	40x60x1.5 (#)	2.315	0.001	5.18
		N2249/N2320	40x60x1.5 (#)	2.315	0.001	5.18
		N2250/N2321	40x60x1.5 (#)	2.315	0.001	5.18
		N2251/N2323	40x60x1.5 (#)	2.315	0.001	5.18
		N2248/N2319	40x60x1.5 (#)	2.315	0.001	5.18
		N2247/N2317	40x60x1.5 (#)	2.315	0.001	5.18
		N2320/N2372	40x60x1.5 (#)	2.315	0.001	5.18
		N2321/N2373	40x60x1.5 (#)	2.315	0.001	5.18
		N2323/N2375	40x60x1.5 (#)	2.315	0.001	5.18
		N2319/N2371	40x60x1.5 (#)	2.315	0.001	5.18
		N2317/N2369	40x60x1.5 (#)	2.315	0.001	5.18
		N2501/N2424	40x60x1.5 (#)	2.315	0.001	5.18
		N2502/N2425	40x60x1.5 (#)	2.315	0.001	5.18
		N2503/N2427	40x60x1.5 (#)	2.315	0.001	5.18
		N2504/N2423	40x60x1.5 (#)	2.315	0.001	5.18
		N2505/N2421	40x60x1.5 (#)	2.315	0.001	5.18
		N2424/N2506	40x60x1.5 (#)	2.315	0.001	5.18
		N2427/N2507	40x60x1.5 (#)	2.315	0.001	5.18
		N2425/N2508	40x60x1.5 (#)	2.315	0.001	5.18
		N2421/N2509	40x60x1.5 (#)	2.315	0.001	5.18
		N2423/N2510	40x60x1.5 (#)	2.315	0.001	5.18
		N2326/N2511	40x60x1.5 (#)	2.315	0.001	5.18
		N2327/N2512	40x60x1.5 (#)	2.315	0.001	5.18
		N2328/N2513	40x60x1.5 (#)	2.315	0.001	5.18
		N2330/N2514	40x60x1.5 (#)	2.315	0.001	5.18
		N2331/N2515	40x60x1.5 (#)	2.315	0.001	5.18
		N2332/N2516	40x60x1.5 (#)	2.315	0.001	5.18
		N2335/N2517	40x60x1.5 (#)	2.315	0.001	5.18
		N2336/N2518	40x60x1.5 (#)	2.315	0.001	5.18
		N2339/N2519	40x60x1.5 (#)	2.315	0.001	5.18
		N2340/N2520	40x60x1.5 (#)	2.315	0.001	5.18
		N2338/N2521	40x60x1.5 (#)	2.315	0.001	5.18
		N2346/N2522	40x60x1.5 (#)	2.315	0.001	5.18
		N2347/N2523	40x60x1.5 (#)	2.315	0.001	5.18
		N2348/N2524	40x60x1.5 (#)	2.315	0.001	5.18
		N2344/N2525	40x60x1.5 (#)	2.315	0.001	5.18
		N2343/N2526	40x60x1.5 (#)	2.315	0.001	5.18
		N2352/N2527	40x60x1.5 (#)	2.315	0.001	5.18
		N2353/N2528	40x60x1.5 (#)	2.315	0.001	5.18
		N2355/N2529	40x60x1.5 (#)	2.315	0.001	5.18
		N2356/N2530	40x60x1.5 (#)	2.315	0.001	5.18
		N2357/N2531	40x60x1.5 (#)	2.315	0.001	5.18
		N2359/N2532	40x60x1.5 (#)	2.315	0.001	5.18
		N2361/N2533	40x60x1.5 (#)	2.315	0.001	5.18
		N2363/N2534	40x60x1.5 (#)	2.315	0.001	5.18
		N2365/N2535	40x60x1.5 (#)	2.315	0.001	5.18
		N2367/N2536	40x60x1.5 (#)	2.315	0.001	5.18
		N2364/N2537	40x60x1.5 (#)	2.315	0.001	5.18
		N2372/N2538	40x60x1.5 (#)	2.315	0.001	5.18
		N2373/N2539	40x60x1.5 (#)	2.315	0.001	5.18
		N2375/N2540	40x60x1.5 (#)	2.315	0.001	5.18
		N2371/N2541	40x60x1.5 (#)	2.315	0.001	5.18
		N2369/N2542	40x60x1.5 (#)	2.315	0.001	5.18
		N2543/N2429	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2429/N2436	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2436/N2445	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2550/N2430	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2430/N2437	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2437/N2446	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2557/N2432	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2432/N2435	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2435/N2442	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2564/N2431	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2431/N2438	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2438/N2441	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2571/N2434	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2434/N2439	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2439/N2443	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2578/N2433	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2433/N2440	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2440/N2444	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2368/N2437	40x80x2 (#)	2.315	0.001	8.24
		N2342/N2436	40x80x2 (#)	2.315	0.001	8.24
		N2585/N2592	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2592/N2598	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2598/N2604	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2605/N2612	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2612/N2618	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2618/N2624	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2625/N2634	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2634/N2642	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2642/N2650	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2651/N2660	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2660/N2668	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2668/N2676	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2677/N2686	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2686/N2694	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2694/N2702	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2703/N2712	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2712/N2720	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2720/N2728	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2729/N2738	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2738/N2746	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2746/N2754	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2755/N2764	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2764/N2772	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2772/N2780	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2612/N2592	40x80x2 (#)	0.725	0.000	2.58
		N2612/N2634	40x80x2 (#)	2.315	0.001	8.24
		N2634/N2660	40x80x2 (#)	0.725	0.000	2.58
		N2592/N2660	40x80x2 (#)	2.315	0.001	8.24
		N2634/N2686	40x80x2 (#)	2.315	0.001	8.24
		N2686/N2712	40x80x2 (#)	0.725	0.000	2.58
		N2660/N2712	40x80x2 (#)	2.315	0.001	8.24
		N2781/N2782	40x80x2 (#)	0.725	0.000	2.58
		N2782/N2783	40x80x2 (#)	1.575	0.001	5.61
		N2784/N2783	40x80x2 (#)	0.725	0.000	2.58
		N2781/N2784	40x80x2 (#)	1.575	0.001	5.61
		N2783/N2764	40x80x2 (#)	2.315	0.001	8.24
		N2738/N2764	40x80x2 (#)	0.725	0.000	2.58
		N2784/N2738	40x80x2 (#)	2.315	0.001	8.24
		N2764/N2785	40x80x2 (#)	2.315	0.001	8.24
		N2786/N2785	40x80x2 (#)	0.725	0.000	2.58
		N2738/N2786	40x80x2 (#)	2.315	0.001	8.24
		N2618/N2598	40x80x2 (#)	0.725	0.000	2.58
		N2598/N2668	40x80x2 (#)	2.315	0.001	8.24
		N2618/N2642	40x80x2 (#)	2.315	0.001	8.24
		N2642/N2668	40x80x2 (#)	0.725	0.000	2.58
		N2642/N2694	40x80x2 (#)	2.315	0.001	8.24
		N2668/N2720	40x80x2 (#)	2.315	0.001	8.24
		N2694/N2720	40x80x2 (#)	0.725	0.000	2.58
		N2788/N2787	40x80x2 (#)	1.575	0.001	5.61
		N2789/N2790	40x80x2 (#)	1.575	0.001	5.61
		N2787/N2790	40x80x2 (#)	0.725	0.000	2.58
		N2790/N2772	40x80x2 (#)	2.315	0.001	8.24
		N2746/N2772	40x80x2 (#)	0.725	0.000	2.58
		N2787/N2746	40x80x2 (#)	2.315	0.001	8.24
		N2746/N2791	40x80x2 (#)	2.315	0.001	8.24
		N2772/N2792	40x80x2 (#)	2.315	0.001	8.24
		N2791/N2792	40x80x2 (#)	0.725	0.000	2.58
		N2788/N2789	40x80x2 (#)	0.725	0.000	2.58
		N2624/N2604	40x80x2 (#)	0.725	0.000	2.58
		N2650/N2676	40x80x2 (#)	0.725	0.000	2.58
		N2702/N2728	40x80x2 (#)	0.725	0.000	2.58
		N2794/N2793	40x80x2 (#)	0.725	0.000	2.58
		N2754/N2780	40x80x2 (#)	0.725	0.000	2.58
		N2795/N2796	40x80x2 (#)	0.725	0.000	2.58
		N2797/N2798	40x80x2 (#)	0.725	0.000	2.58
		N2592/N2260	40x80x2 (#)	1.075	0.000	3.83
		N2660/N2282	40x80x2 (#)	1.075	0.000	3.83
		N2712/N2334	40x80x2 (#)	1.075	0.000	3.83
		N2782/N2429	40x80x2 (#)	1.075	0.000	3.83
		N2783/N2432	40x80x2 (#)	1.075	0.000	3.83
		N2764/N2386	40x80x2 (#)	1.075	0.000	3.83
		N2785/N2434	40x80x2 (#)	1.075	0.000	3.83
		N2598/N2266	40x80x2 (#)	1.075	0.000	3.83
		N2668/N2290	40x80x2 (#)	1.075	0.000	3.83
		N2720/N2342	40x80x2 (#)	1.075	0.000	3.83
		N2789/N2436	40x80x2 (#)	1.075	0.000	3.83
		N2790/N2435	40x80x2 (#)	1.075	0.000	3.83
		N2772/N2394	40x80x2 (#)	1.075	0.000	3.83
		N2792/N2439	40x80x2 (#)	1.075	0.000	3.83
		N2604/N2272	40x80x2 (#)	1.075	0.000	3.83
		N2676/N2298	40x80x2 (#)	1.075	0.000	3.83
		N2728/N2350	40x80x2 (#)	1.075	0.000	3.83
		N2798/N2445	40x80x2 (#)	1.075	0.000	3.83
		N2793/N2442	40x80x2 (#)	1.075	0.000	3.83
		N2780/N2402	40x80x2 (#)	1.075	0.000	3.83
		N2796/N2443	40x80x2 (#)	1.075	0.000	3.83

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2686/N2781	40x80x2 (#)	2.315	0.001	8.24
		N2712/N2782	40x80x2 (#)	2.315	0.001	8.24
		N2606/N2626	40x60x1.5 (#)	2.315	0.001	5.18
		N2607/N2627	40x60x1.5 (#)	2.315	0.001	5.18
		N2608/N2628	40x60x1.5 (#)	2.315	0.001	5.18
		N2609/N2630	40x60x1.5 (#)	2.315	0.001	5.18
		N2610/N2631	40x60x1.5 (#)	2.315	0.001	5.18
		N2611/N2632	40x60x1.5 (#)	2.315	0.001	5.18
		N2626/N2678	40x60x1.5 (#)	2.315	0.001	5.18
		N2627/N2679	40x60x1.5 (#)	2.315	0.001	5.18
		N2628/N2680	40x60x1.5 (#)	2.315	0.001	5.18
		N2630/N2682	40x60x1.5 (#)	2.315	0.001	5.18
		N2631/N2683	40x60x1.5 (#)	2.315	0.001	5.18
		N2632/N2684	40x60x1.5 (#)	2.315	0.001	5.18
		N2799/N2730	40x60x1.5 (#)	2.315	0.001	5.18
		N2800/N2731	40x60x1.5 (#)	2.315	0.001	5.18
		N2801/N2732	40x60x1.5 (#)	2.315	0.001	5.18
		N2802/N2734	40x60x1.5 (#)	2.315	0.001	5.18
		N2803/N2735	40x60x1.5 (#)	2.315	0.001	5.18
		N2804/N2736	40x60x1.5 (#)	2.315	0.001	5.18
		N2730/N2805	40x60x1.5 (#)	2.315	0.001	5.18
		N2731/N2806	40x60x1.5 (#)	2.315	0.001	5.18
		N2732/N2807	40x60x1.5 (#)	2.315	0.001	5.18
		N2734/N2808	40x60x1.5 (#)	2.315	0.001	5.18
		N2735/N2809	40x60x1.5 (#)	2.315	0.001	5.18
		N2736/N2810	40x60x1.5 (#)	2.315	0.001	5.18
		N2739/N2811	40x60x1.5 (#)	2.315	0.001	5.18
		N2740/N2812	40x60x1.5 (#)	2.315	0.001	5.18
		N2743/N2813	40x60x1.5 (#)	2.315	0.001	5.18
		N2744/N2814	40x60x1.5 (#)	2.315	0.001	5.18
		N2742/N2815	40x60x1.5 (#)	2.315	0.001	5.18
		N2816/N2739	40x60x1.5 (#)	2.315	0.001	5.18
		N2817/N2740	40x60x1.5 (#)	2.315	0.001	5.18
		N2818/N2743	40x60x1.5 (#)	2.315	0.001	5.18
		N2819/N2744	40x60x1.5 (#)	2.315	0.001	5.18
		N2820/N2742	40x60x1.5 (#)	2.315	0.001	5.18
		N2635/N2687	40x60x1.5 (#)	2.315	0.001	5.18
		N2636/N2688	40x60x1.5 (#)	2.315	0.001	5.18
		N2639/N2691	40x60x1.5 (#)	2.315	0.001	5.18
		N2640/N2692	40x60x1.5 (#)	2.315	0.001	5.18
		N2638/N2690	40x60x1.5 (#)	2.315	0.001	5.18
		N2613/N2635	40x60x1.5 (#)	2.315	0.001	5.18
		N2614/N2636	40x60x1.5 (#)	2.315	0.001	5.18
		N2616/N2639	40x60x1.5 (#)	2.315	0.001	5.18
		N2617/N2640	40x60x1.5 (#)	2.315	0.001	5.18
		N2615/N2638	40x60x1.5 (#)	2.315	0.001	5.18
		N2621/N2646	40x60x1.5 (#)	2.315	0.001	5.18
		N2622/N2647	40x60x1.5 (#)	2.315	0.001	5.18
		N2623/N2648	40x60x1.5 (#)	2.315	0.001	5.18
		N2620/N2644	40x60x1.5 (#)	2.315	0.001	5.18
		N2619/N2643	40x60x1.5 (#)	2.315	0.001	5.18
		N2646/N2698	40x60x1.5 (#)	2.315	0.001	5.18
		N2647/N2699	40x60x1.5 (#)	2.315	0.001	5.18
		N2648/N2700	40x60x1.5 (#)	2.315	0.001	5.18
		N2644/N2696	40x60x1.5 (#)	2.315	0.001	5.18
		N2643/N2695	40x60x1.5 (#)	2.315	0.001	5.18
		N2821/N2750	40x60x1.5 (#)	2.315	0.001	5.18
		N2822/N2751	40x60x1.5 (#)	2.315	0.001	5.18
		N2823/N2752	40x60x1.5 (#)	2.315	0.001	5.18
		N2824/N2748	40x60x1.5 (#)	2.315	0.001	5.18
		N2825/N2747	40x60x1.5 (#)	2.315	0.001	5.18
		N2750/N2826	40x60x1.5 (#)	2.315	0.001	5.18
		N2752/N2827	40x60x1.5 (#)	2.315	0.001	5.18
		N2751/N2828	40x60x1.5 (#)	2.315	0.001	5.18
		N2747/N2829	40x60x1.5 (#)	2.315	0.001	5.18
		N2748/N2830	40x60x1.5 (#)	2.315	0.001	5.18
		N2586/N2652	40x60x1.5 (#)	2.315	0.001	5.18
		N2587/N2653	40x60x1.5 (#)	2.315	0.001	5.18
		N2588/N2655	40x60x1.5 (#)	2.315	0.001	5.18
		N2589/N2656	40x60x1.5 (#)	2.315	0.001	5.18
		N2590/N2657	40x60x1.5 (#)	2.315	0.001	5.18
		N2591/N2659	40x60x1.5 (#)	2.315	0.001	5.18
		N2652/N2704	40x60x1.5 (#)	2.315	0.001	5.18
		N2653/N2705	40x60x1.5 (#)	2.315	0.001	5.18
		N2655/N2707	40x60x1.5 (#)	2.315	0.001	5.18
		N2656/N2708	40x60x1.5 (#)	2.315	0.001	5.18
		N2657/N2709	40x60x1.5 (#)	2.315	0.001	5.18
		N2659/N2711	40x60x1.5 (#)	2.315	0.001	5.18
		N2831/N2756	40x60x1.5 (#)	2.315	0.001	5.18
		N2832/N2757	40x60x1.5 (#)	2.315	0.001	5.18
		N2833/N2759	40x60x1.5 (#)	2.315	0.001	5.18
		N2834/N2760	40x60x1.5 (#)	2.315	0.001	5.18
		N2835/N2761	40x60x1.5 (#)	2.315	0.001	5.18
		N2836/N2763	40x60x1.5 (#)	2.315	0.001	5.18
		N2756/N2837	40x60x1.5 (#)	2.315	0.001	5.18
		N2757/N2838	40x60x1.5 (#)	2.315	0.001	5.18
		N2759/N2839	40x60x1.5 (#)	2.315	0.001	5.18
		N2760/N2840	40x60x1.5 (#)	2.315	0.001	5.18
		N2761/N2841	40x60x1.5 (#)	2.315	0.001	5.18
		N2763/N2842	40x60x1.5 (#)	2.315	0.001	5.18
		N2765/N2843	40x60x1.5 (#)	2.315	0.001	5.18
		N2767/N2844	40x60x1.5 (#)	2.315	0.001	5.18
		N2769/N2845	40x60x1.5 (#)	2.315	0.001	5.18
		N2771/N2846	40x60x1.5 (#)	2.315	0.001	5.18
		N2768/N2847	40x60x1.5 (#)	2.315	0.001	5.18
		N2848/N2765	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2849/N2767	40x60x1.5 (#)	2.315	0.001	5.18
		N2850/N2769	40x60x1.5 (#)	2.315	0.001	5.18
		N2851/N2771	40x60x1.5 (#)	2.315	0.001	5.18
		N2852/N2768	40x60x1.5 (#)	2.315	0.001	5.18
		N2661/N2713	40x60x1.5 (#)	2.315	0.001	5.18
		N2663/N2715	40x60x1.5 (#)	2.315	0.001	5.18
		N2665/N2717	40x60x1.5 (#)	2.315	0.001	5.18
		N2667/N2719	40x60x1.5 (#)	2.315	0.001	5.18
		N2664/N2716	40x60x1.5 (#)	2.315	0.001	5.18
		N2593/N2661	40x60x1.5 (#)	2.315	0.001	5.18
		N2594/N2663	40x60x1.5 (#)	2.315	0.001	5.18
		N2596/N2665	40x60x1.5 (#)	2.315	0.001	5.18
		N2597/N2667	40x60x1.5 (#)	2.315	0.001	5.18
		N2595/N2664	40x60x1.5 (#)	2.315	0.001	5.18
		N2601/N2672	40x60x1.5 (#)	2.315	0.001	5.18
		N2602/N2673	40x60x1.5 (#)	2.315	0.001	5.18
		N2603/N2675	40x60x1.5 (#)	2.315	0.001	5.18
		N2600/N2671	40x60x1.5 (#)	2.315	0.001	5.18
		N2599/N2669	40x60x1.5 (#)	2.315	0.001	5.18
		N2672/N2724	40x60x1.5 (#)	2.315	0.001	5.18
		N2673/N2725	40x60x1.5 (#)	2.315	0.001	5.18
		N2675/N2727	40x60x1.5 (#)	2.315	0.001	5.18
		N2671/N2723	40x60x1.5 (#)	2.315	0.001	5.18
		N2669/N2721	40x60x1.5 (#)	2.315	0.001	5.18
		N2853/N2776	40x60x1.5 (#)	2.315	0.001	5.18
		N2854/N2777	40x60x1.5 (#)	2.315	0.001	5.18
		N2855/N2779	40x60x1.5 (#)	2.315	0.001	5.18
		N2856/N2775	40x60x1.5 (#)	2.315	0.001	5.18
		N2857/N2773	40x60x1.5 (#)	2.315	0.001	5.18
		N2776/N2858	40x60x1.5 (#)	2.315	0.001	5.18
		N2779/N2859	40x60x1.5 (#)	2.315	0.001	5.18
		N2777/N2860	40x60x1.5 (#)	2.315	0.001	5.18
		N2773/N2861	40x60x1.5 (#)	2.315	0.001	5.18
		N2775/N2862	40x60x1.5 (#)	2.315	0.001	5.18
		N2678/N2863	40x60x1.5 (#)	2.315	0.001	5.18
		N2679/N2864	40x60x1.5 (#)	2.315	0.001	5.18
		N2680/N2865	40x60x1.5 (#)	2.315	0.001	5.18
		N2682/N2866	40x60x1.5 (#)	2.315	0.001	5.18
		N2683/N2867	40x60x1.5 (#)	2.315	0.001	5.18
		N2684/N2868	40x60x1.5 (#)	2.315	0.001	5.18
		N2687/N2869	40x60x1.5 (#)	2.315	0.001	5.18
		N2688/N2870	40x60x1.5 (#)	2.315	0.001	5.18
		N2691/N2871	40x60x1.5 (#)	2.315	0.001	5.18
		N2692/N2872	40x60x1.5 (#)	2.315	0.001	5.18
		N2690/N2873	40x60x1.5 (#)	2.315	0.001	5.18
		N2698/N2874	40x60x1.5 (#)	2.315	0.001	5.18
		N2699/N2875	40x60x1.5 (#)	2.315	0.001	5.18
		N2700/N2876	40x60x1.5 (#)	2.315	0.001	5.18
		N2696/N2877	40x60x1.5 (#)	2.315	0.001	5.18
		N2695/N2878	40x60x1.5 (#)	2.315	0.001	5.18
		N2704/N2879	40x60x1.5 (#)	2.315	0.001	5.18
		N2705/N2880	40x60x1.5 (#)	2.315	0.001	5.18
		N2707/N2881	40x60x1.5 (#)	2.315	0.001	5.18
		N2708/N2882	40x60x1.5 (#)	2.315	0.001	5.18
		N2709/N2883	40x60x1.5 (#)	2.315	0.001	5.18
		N2711/N2884	40x60x1.5 (#)	2.315	0.001	5.18
		N2713/N2885	40x60x1.5 (#)	2.315	0.001	5.18
		N2715/N2886	40x60x1.5 (#)	2.315	0.001	5.18
		N2717/N2887	40x60x1.5 (#)	2.315	0.001	5.18
		N2719/N2888	40x60x1.5 (#)	2.315	0.001	5.18
		N2716/N2889	40x60x1.5 (#)	2.315	0.001	5.18
		N2724/N2890	40x60x1.5 (#)	2.315	0.001	5.18
		N2725/N2891	40x60x1.5 (#)	2.315	0.001	5.18
		N2727/N2892	40x60x1.5 (#)	2.315	0.001	5.18
		N2723/N2893	40x60x1.5 (#)	2.315	0.001	5.18
		N2721/N2894	40x60x1.5 (#)	2.315	0.001	5.18
		N2895/N2781	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2781/N2788	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2788/N2797	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2902/N2782	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2782/N2789	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2789/N2798	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2909/N2784	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2784/N2787	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2787/N2794	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2916/N2783	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2783/N2790	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2790/N2793	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2923/N2786	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2786/N2791	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2791/N2795	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2930/N2785	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2785/N2792	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2792/N2796	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2720/N2789	40x80x2 (#)	2.315	0.001	8.24
		N2694/N2788	40x80x2 (#)	2.315	0.001	8.24
		N2606/N2586	CF-60x2.0 (C)	0.725	0.000	1.77
		N2606/N2588	CF-60x2.0 (C)	1.140	0.000	2.79
		N2588/N2609	CF-60x2.0 (C)	0.848	0.000	2.08
		N2609/N2591	CF-60x2.0 (C)	1.140	0.000	2.79
		N2591/N2612	CF-60x2.0 (C)	0.886	0.000	2.17
		N2254/N2234	CF-60x2.0 (C)	0.725	0.000	1.77
		N2254/N2236	CF-60x2.0 (C)	1.140	0.000	2.79
		N2236/N2257	CF-60x2.0 (C)	0.848	0.000	2.08
		N2257/N2239	CF-60x2.0 (C)	1.140	0.000	2.79
		N2239/N2260	CF-60x2.0 (C)	0.886	0.000	2.17

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2612/N2594	CF-60x2.0 (C)	1.140	0.000	2.79
		N2594/N2615	CF-60x2.0 (C)	0.853	0.000	2.09
		N2615/N2597	CF-60x2.0 (C)	1.140	0.000	2.79
		N2597/N2618	CF-60x2.0 (C)	0.853	0.000	2.09
		N2618/N2600	CF-60x2.0 (C)	1.140	0.000	2.79
		N2600/N2621	CF-60x2.0 (C)	0.853	0.000	2.09
		N2621/N2603	CF-60x2.0 (C)	1.140	0.000	2.79
		N2603/N2624	CF-60x2.0 (C)	0.853	0.000	2.09
		N2260/N2242	CF-60x2.0 (C)	1.140	0.000	2.79
		N2242/N2263	CF-60x2.0 (C)	0.853	0.000	2.09
		N2263/N2245	CF-60x2.0 (C)	1.140	0.000	2.79
		N2245/N2266	CF-60x2.0 (C)	0.853	0.000	2.09
		N2266/N2248	CF-60x2.0 (C)	1.140	0.000	2.79
		N2248/N2269	CF-60x2.0 (C)	0.853	0.000	2.09
		N2269/N2251	CF-60x2.0 (C)	1.140	0.000	2.79
		N2251/N2272	CF-60x2.0 (C)	0.853	0.000	2.09
		N2937/N2944	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2944/N2950	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2950/N2956	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2957/N2964	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2964/N2970	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2970/N2976	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2977/N2986	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N2986/N2994	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2994/N3002	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3003/N3012	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3012/N3020	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3020/N3028	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3029/N3038	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3038/N3046	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3046/N3054	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3055/N3064	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3064/N3072	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3072/N3080	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3081/N3090	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3090/N3098	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3098/N3106	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3107/N3116	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3116/N3124	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3124/N3132	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N2964/N2944	40x80x2 (#)	0.725	0.000	2.58
		N2964/N2986	40x80x2 (#)	2.315	0.001	8.24
		N2986/N3012	40x80x2 (#)	0.725	0.000	2.58
		N2944/N3012	40x80x2 (#)	2.315	0.001	8.24
		N2986/N3038	40x80x2 (#)	2.315	0.001	8.24
		N3038/N3064	40x80x2 (#)	0.725	0.000	2.58
		N3012/N3064	40x80x2 (#)	2.315	0.001	8.24
		N3133/N3134	40x80x2 (#)	0.725	0.000	2.58
		N3134/N3135	40x80x2 (#)	1.575	0.001	5.61
		N3136/N3135	40x80x2 (#)	0.725	0.000	2.58
		N3133/N3136	40x80x2 (#)	1.575	0.001	5.61
		N3135/N3116	40x80x2 (#)	2.315	0.001	8.24
		N3090/N3116	40x80x2 (#)	0.725	0.000	2.58
		N3136/N3090	40x80x2 (#)	2.315	0.001	8.24
		N3116/N3137	40x80x2 (#)	2.315	0.001	8.24
		N3138/N3137	40x80x2 (#)	0.725	0.000	2.58
		N3090/N3138	40x80x2 (#)	2.315	0.001	8.24
		N2970/N2950	40x80x2 (#)	0.725	0.000	2.58
		N2950/N3020	40x80x2 (#)	2.315	0.001	8.24
		N2970/N2994	40x80x2 (#)	2.315	0.001	8.24
		N2994/N3020	40x80x2 (#)	0.725	0.000	2.58
		N2994/N3046	40x80x2 (#)	2.315	0.001	8.24
		N3020/N3072	40x80x2 (#)	2.315	0.001	8.24
		N3046/N3072	40x80x2 (#)	0.725	0.000	2.58
		N3140/N3139	40x80x2 (#)	1.575	0.001	5.61
		N3141/N3142	40x80x2 (#)	1.575	0.001	5.61
		N3139/N3142	40x80x2 (#)	0.725	0.000	2.58
		N3142/N3124	40x80x2 (#)	2.315	0.001	8.24
		N3098/N3124	40x80x2 (#)	0.725	0.000	2.58
		N3139/N3098	40x80x2 (#)	2.315	0.001	8.24
		N3098/N3143	40x80x2 (#)	2.315	0.001	8.24
		N3124/N3144	40x80x2 (#)	2.315	0.001	8.24
		N3143/N3144	40x80x2 (#)	0.725	0.000	2.58
		N3140/N3141	40x80x2 (#)	0.725	0.000	2.58
		N2976/N2956	40x80x2 (#)	0.725	0.000	2.58
		N3002/N3028	40x80x2 (#)	0.725	0.000	2.58
		N3054/N3080	40x80x2 (#)	0.725	0.000	2.58
		N3146/N3145	40x80x2 (#)	0.725	0.000	2.58
		N3106/N3132	40x80x2 (#)	0.725	0.000	2.58
		N3147/N3148	40x80x2 (#)	0.725	0.000	2.58
		N3149/N3150	40x80x2 (#)	0.725	0.000	2.58
		N2944/N2612	40x80x2 (#)	1.075	0.000	3.83
		N3012/N2634	40x80x2 (#)	1.075	0.000	3.83
		N3064/N2686	40x80x2 (#)	1.075	0.000	3.83
		N3134/N2781	40x80x2 (#)	1.075	0.000	3.83
		N3135/N2784	40x80x2 (#)	1.075	0.000	3.83
		N3116/N2738	40x80x2 (#)	1.075	0.000	3.83
		N3137/N2786	40x80x2 (#)	1.075	0.000	3.83
		N2950/N2618	40x80x2 (#)	1.075	0.000	3.83
		N3020/N2642	40x80x2 (#)	1.075	0.000	3.83
		N3072/N2694	40x80x2 (#)	1.075	0.000	3.83
		N3141/N2788	40x80x2 (#)	1.075	0.000	3.83
		N3142/N2787	40x80x2 (#)	1.075	0.000	3.83
		N3124/N2746	40x80x2 (#)	1.075	0.000	3.83
		N3144/N2791	40x80x2 (#)	1.075	0.000	3.83
		N2956/N2624	40x80x2 (#)	1.075	0.000	3.83

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N3028/N2650	40x80x2 (#)	1.075	0.000	3.83
		N3080/N2702	40x80x2 (#)	1.075	0.000	3.83
		N3150/N2797	40x80x2 (#)	1.075	0.000	3.83
		N3145/N2794	40x80x2 (#)	1.075	0.000	3.83
		N3132/N2754	40x80x2 (#)	1.075	0.000	3.83
		N3148/N2795	40x80x2 (#)	1.075	0.000	3.83
		N3038/N3133	40x80x2 (#)	2.315	0.001	8.24
		N3064/N3134	40x80x2 (#)	2.315	0.001	8.24
		N2958/N2978	40x60x1.5 (#)	2.315	0.001	5.18
		N2959/N2979	40x60x1.5 (#)	2.315	0.001	5.18
		N2960/N2980	40x60x1.5 (#)	2.315	0.001	5.18
		N2961/N2982	40x60x1.5 (#)	2.315	0.001	5.18
		N2962/N2983	40x60x1.5 (#)	2.315	0.001	5.18
		N2963/N2984	40x60x1.5 (#)	2.315	0.001	5.18
		N2978/N3030	40x60x1.5 (#)	2.315	0.001	5.18
		N2979/N3031	40x60x1.5 (#)	2.315	0.001	5.18
		N2980/N3032	40x60x1.5 (#)	2.315	0.001	5.18
		N2982/N3034	40x60x1.5 (#)	2.315	0.001	5.18
		N2983/N3035	40x60x1.5 (#)	2.315	0.001	5.18
		N2984/N3036	40x60x1.5 (#)	2.315	0.001	5.18
		N3151/N3082	40x60x1.5 (#)	2.315	0.001	5.18
		N3152/N3083	40x60x1.5 (#)	2.315	0.001	5.18
		N3153/N3084	40x60x1.5 (#)	2.315	0.001	5.18
		N3154/N3086	40x60x1.5 (#)	2.315	0.001	5.18
		N3155/N3087	40x60x1.5 (#)	2.315	0.001	5.18
		N3156/N3088	40x60x1.5 (#)	2.315	0.001	5.18
		N3082/N3157	40x60x1.5 (#)	2.315	0.001	5.18
		N3083/N3158	40x60x1.5 (#)	2.315	0.001	5.18
		N3082/N3157	40x60x1.5 (#)	2.315	0.001	5.18
		N3083/N3158	40x60x1.5 (#)	2.315	0.001	5.18
		N3084/N3159	40x60x1.5 (#)	2.315	0.001	5.18
		N3086/N3160	40x60x1.5 (#)	2.315	0.001	5.18
		N3087/N3161	40x60x1.5 (#)	2.315	0.001	5.18
		N3088/N3162	40x60x1.5 (#)	2.315	0.001	5.18
		N3091/N3163	40x60x1.5 (#)	2.315	0.001	5.18
		N3092/N3164	40x60x1.5 (#)	2.315	0.001	5.18
		N3095/N3165	40x60x1.5 (#)	2.315	0.001	5.18
		N3096/N3166	40x60x1.5 (#)	2.315	0.001	5.18
		N3094/N3167	40x60x1.5 (#)	2.315	0.001	5.18
		N3168/N3091	40x60x1.5 (#)	2.315	0.001	5.18
		N3169/N3092	40x60x1.5 (#)	2.315	0.001	5.18
		N3170/N3095	40x60x1.5 (#)	2.315	0.001	5.18
		N3171/N3096	40x60x1.5 (#)	2.315	0.001	5.18
		N3172/N3094	40x60x1.5 (#)	2.315	0.001	5.18
		N2987/N3039	40x60x1.5 (#)	2.315	0.001	5.18
		N2988/N3040	40x60x1.5 (#)	2.315	0.001	5.18
		N2991/N3043	40x60x1.5 (#)	2.315	0.001	5.18
		N2992/N3044	40x60x1.5 (#)	2.315	0.001	5.18
		N2990/N3042	40x60x1.5 (#)	2.315	0.001	5.18
		N2965/N2987	40x60x1.5 (#)	2.315	0.001	5.18
		N2966/N2988	40x60x1.5 (#)	2.315	0.001	5.18
		N2968/N2991	40x60x1.5 (#)	2.315	0.001	5.18
		N2969/N2992	40x60x1.5 (#)	2.315	0.001	5.18
		N2967/N2990	40x60x1.5 (#)	2.315	0.001	5.18
		N2973/N2998	40x60x1.5 (#)	2.315	0.001	5.18
		N2974/N2999	40x60x1.5 (#)	2.315	0.001	5.18
		N2975/N3000	40x60x1.5 (#)	2.315	0.001	5.18
		N2972/N2996	40x60x1.5 (#)	2.315	0.001	5.18
		N2971/N2995	40x60x1.5 (#)	2.315	0.001	5.18
		N2998/N3050	40x60x1.5 (#)	2.315	0.001	5.18
		N2999/N3051	40x60x1.5 (#)	2.315	0.001	5.18
		N3000/N3052	40x60x1.5 (#)	2.315	0.001	5.18
		N2996/N3048	40x60x1.5 (#)	2.315	0.001	5.18
		N2995/N3047	40x60x1.5 (#)	2.315	0.001	5.18
		N3173/N3102	40x60x1.5 (#)	2.315	0.001	5.18
		N3174/N3103	40x60x1.5 (#)	2.315	0.001	5.18
		N3175/N3104	40x60x1.5 (#)	2.315	0.001	5.18
		N3176/N3100	40x60x1.5 (#)	2.315	0.001	5.18
		N3177/N3099	40x60x1.5 (#)	2.315	0.001	5.18
		N3102/N3178	40x60x1.5 (#)	2.315	0.001	5.18
		N3104/N3179	40x60x1.5 (#)	2.315	0.001	5.18
		N3103/N3180	40x60x1.5 (#)	2.315	0.001	5.18
		N3099/N3181	40x60x1.5 (#)	2.315	0.001	5.18
		N3100/N3182	40x60x1.5 (#)	2.315	0.001	5.18
		N2938/N3004	40x60x1.5 (#)	2.315	0.001	5.18
		N2939/N3005	40x60x1.5 (#)	2.315	0.001	5.18
		N2940/N3007	40x60x1.5 (#)	2.315	0.001	5.18
		N2941/N3008	40x60x1.5 (#)	2.315	0.001	5.18
		N2942/N3009	40x60x1.5 (#)	2.315	0.001	5.18
		N2943/N3011	40x60x1.5 (#)	2.315	0.001	5.18
		N3004/N3056	40x60x1.5 (#)	2.315	0.001	5.18
		N3005/N3057	40x60x1.5 (#)	2.315	0.001	5.18
		N3007/N3059	40x60x1.5 (#)	2.315	0.001	5.18
		N3008/N3060	40x60x1.5 (#)	2.315	0.001	5.18
		N3009/N3061	40x60x1.5 (#)	2.315	0.001	5.18
		N3011/N3063	40x60x1.5 (#)	2.315	0.001	5.18
		N3183/N3108	40x60x1.5 (#)	2.315	0.001	5.18
		N3184/N3109	40x60x1.5 (#)	2.315	0.001	5.18
		N3185/N3111	40x60x1.5 (#)	2.315	0.001	5.18
		N3186/N3112	40x60x1.5 (#)	2.315	0.001	5.18
		N3187/N3113	40x60x1.5 (#)	2.315	0.001	5.18
		N3188/N3115	40x60x1.5 (#)	2.315	0.001	5.18
		N3108/N3189	40x60x1.5 (#)	2.315	0.001	5.18
		N3109/N3190	40x60x1.5 (#)	2.315	0.001	5.18
		N3111/N3191	40x60x1.5 (#)	2.315	0.001	5.18
		N3112/N3192	40x60x1.5 (#)	2.315	0.001	5.18
		N3113/N3193	40x60x1.5 (#)	2.315	0.001	5.18
		N3115/N3194	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N3117/N3195	40x60x1.5 (#)	2.315	0.001	5.18
		N3119/N3196	40x60x1.5 (#)	2.315	0.001	5.18
		N3121/N3197	40x60x1.5 (#)	2.315	0.001	5.18
		N3123/N3198	40x60x1.5 (#)	2.315	0.001	5.18
		N3120/N3199	40x60x1.5 (#)	2.315	0.001	5.18
		N3200/N3117	40x60x1.5 (#)	2.315	0.001	5.18
		N3201/N3119	40x60x1.5 (#)	2.315	0.001	5.18
		N3202/N3121	40x60x1.5 (#)	2.315	0.001	5.18
		N3203/N3123	40x60x1.5 (#)	2.315	0.001	5.18
		N3204/N3120	40x60x1.5 (#)	2.315	0.001	5.18
		N3013/N3065	40x60x1.5 (#)	2.315	0.001	5.18
		N3015/N3067	40x60x1.5 (#)	2.315	0.001	5.18
		N3017/N3069	40x60x1.5 (#)	2.315	0.001	5.18
		N3019/N3071	40x60x1.5 (#)	2.315	0.001	5.18
		N3016/N3068	40x60x1.5 (#)	2.315	0.001	5.18
		N2945/N3013	40x60x1.5 (#)	2.315	0.001	5.18
		N2946/N3015	40x60x1.5 (#)	2.315	0.001	5.18
		N2948/N3017	40x60x1.5 (#)	2.315	0.001	5.18
		N2949/N3019	40x60x1.5 (#)	2.315	0.001	5.18
		N2947/N3016	40x60x1.5 (#)	2.315	0.001	5.18
		N2953/N3024	40x60x1.5 (#)	2.315	0.001	5.18
		N2954/N3025	40x60x1.5 (#)	2.315	0.001	5.18
		N2955/N3027	40x60x1.5 (#)	2.315	0.001	5.18
		N2952/N3023	40x60x1.5 (#)	2.315	0.001	5.18
		N2951/N3021	40x60x1.5 (#)	2.315	0.001	5.18
		N3024/N3076	40x60x1.5 (#)	2.315	0.001	5.18
		N3025/N3077	40x60x1.5 (#)	2.315	0.001	5.18
		N3027/N3079	40x60x1.5 (#)	2.315	0.001	5.18
		N3023/N3075	40x60x1.5 (#)	2.315	0.001	5.18
		N3021/N3073	40x60x1.5 (#)	2.315	0.001	5.18
		N3205/N3128	40x60x1.5 (#)	2.315	0.001	5.18
		N3206/N3129	40x60x1.5 (#)	2.315	0.001	5.18
		N3207/N3131	40x60x1.5 (#)	2.315	0.001	5.18
		N3208/N3127	40x60x1.5 (#)	2.315	0.001	5.18
		N3209/N3125	40x60x1.5 (#)	2.315	0.001	5.18
		N3128/N3210	40x60x1.5 (#)	2.315	0.001	5.18
		N3131/N3211	40x60x1.5 (#)	2.315	0.001	5.18
		N3129/N3212	40x60x1.5 (#)	2.315	0.001	5.18
		N3125/N3213	40x60x1.5 (#)	2.315	0.001	5.18
		N3127/N3214	40x60x1.5 (#)	2.315	0.001	5.18
		N3030/N3215	40x60x1.5 (#)	2.315	0.001	5.18
		N3031/N3216	40x60x1.5 (#)	2.315	0.001	5.18
		N3032/N3217	40x60x1.5 (#)	2.315	0.001	5.18
		N3034/N3218	40x60x1.5 (#)	2.315	0.001	5.18
		N3035/N3219	40x60x1.5 (#)	2.315	0.001	5.18
		N3036/N3220	40x60x1.5 (#)	2.315	0.001	5.18
		N3039/N3221	40x60x1.5 (#)	2.315	0.001	5.18
		N3040/N3222	40x60x1.5 (#)	2.315	0.001	5.18
		N3043/N3223	40x60x1.5 (#)	2.315	0.001	5.18
		N3044/N3224	40x60x1.5 (#)	2.315	0.001	5.18
		N3042/N3225	40x60x1.5 (#)	2.315	0.001	5.18
		N3050/N3226	40x60x1.5 (#)	2.315	0.001	5.18
		N3051/N3227	40x60x1.5 (#)	2.315	0.001	5.18
		N3052/N3228	40x60x1.5 (#)	2.315	0.001	5.18
		N3048/N3229	40x60x1.5 (#)	2.315	0.001	5.18
		N3047/N3230	40x60x1.5 (#)	2.315	0.001	5.18
		N3056/N3231	40x60x1.5 (#)	2.315	0.001	5.18
		N3057/N3232	40x60x1.5 (#)	2.315	0.001	5.18
		N3059/N3233	40x60x1.5 (#)	2.315	0.001	5.18
		N3060/N3234	40x60x1.5 (#)	2.315	0.001	5.18
		N3061/N3235	40x60x1.5 (#)	2.315	0.001	5.18
		N3063/N3236	40x60x1.5 (#)	2.315	0.001	5.18
		N3065/N3237	40x60x1.5 (#)	2.315	0.001	5.18
		N3067/N3238	40x60x1.5 (#)	2.315	0.001	5.18
		N3069/N3239	40x60x1.5 (#)	2.315	0.001	5.18
		N3071/N3240	40x60x1.5 (#)	2.315	0.001	5.18
		N3068/N3241	40x60x1.5 (#)	2.315	0.001	5.18
		N3076/N3242	40x60x1.5 (#)	2.315	0.001	5.18
		N3077/N3243	40x60x1.5 (#)	2.315	0.001	5.18
		N3079/N3244	40x60x1.5 (#)	2.315	0.001	5.18
		N3075/N3245	40x60x1.5 (#)	2.315	0.001	5.18
		N3073/N3246	40x60x1.5 (#)	2.315	0.001	5.18
		N3247/N3133	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3133/N3140	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3140/N3149	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3254/N3134	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3134/N3141	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3141/N3150	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3261/N3136	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3136/N3139	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3139/N3146	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3268/N3135	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3135/N3142	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3142/N3145	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3275/N3138	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3138/N3143	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3143/N3147	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3282/N3137	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3137/N3144	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3144/N3148	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3072/N3141	40x80x2 (#)	2.315	0.001	8.24
		N3046/N3140	40x80x2 (#)	2.315	0.001	8.24
		N3289/N3296	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3296/N3302	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3302/N3308	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3309/N3316	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N3316/N3322	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3322/N3328	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3329/N3338	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3338/N3346	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3346/N3354	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3355/N3364	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3364/N3372	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3372/N3380	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3381/N3390	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3390/N3398	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3398/N3406	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3407/N3416	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3416/N3424	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3424/N3432	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3433/N3442	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3442/N3450	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3450/N3458	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3459/N3468	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3468/N3476	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3476/N3484	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3316/N3296	40x80x2 (#)	0.725	0.000	2.58
		N3316/N3338	40x80x2 (#)	2.315	0.001	8.24
		N3338/N3364	40x80x2 (#)	0.725	0.000	2.58
		N3296/N3364	40x80x2 (#)	2.315	0.001	8.24
		N3338/N3390	40x80x2 (#)	2.315	0.001	8.24
		N3390/N3416	40x80x2 (#)	0.725	0.000	2.58
		N3364/N3416	40x80x2 (#)	2.315	0.001	8.24
		N3485/N3486	40x80x2 (#)	0.725	0.000	2.58
		N3486/N3487	40x80x2 (#)	1.575	0.001	5.61
		N3488/N3487	40x80x2 (#)	0.725	0.000	2.58
		N3485/N3488	40x80x2 (#)	1.575	0.001	5.61
		N3487/N3468	40x80x2 (#)	2.315	0.001	8.24
		N3442/N3468	40x80x2 (#)	0.725	0.000	2.58
		N3488/N3442	40x80x2 (#)	2.315	0.001	8.24
		N3468/N3489	40x80x2 (#)	2.315	0.001	8.24
		N3490/N3489	40x80x2 (#)	0.725	0.000	2.58
		N3442/N3490	40x80x2 (#)	2.315	0.001	8.24
		N3322/N3302	40x80x2 (#)	0.725	0.000	2.58
		N3302/N3372	40x80x2 (#)	2.315	0.001	8.24
		N3322/N3346	40x80x2 (#)	2.315	0.001	8.24
		N3346/N3372	40x80x2 (#)	0.725	0.000	2.58
		N3346/N3398	40x80x2 (#)	2.315	0.001	8.24
		N3372/N3424	40x80x2 (#)	2.315	0.001	8.24
		N3398/N3424	40x80x2 (#)	0.725	0.000	2.58
		N3492/N3491	40x80x2 (#)	1.575	0.001	5.61
		N3493/N3494	40x80x2 (#)	1.575	0.001	5.61
		N3491/N3494	40x80x2 (#)	0.725	0.000	2.58
		N3494/N3476	40x80x2 (#)	2.315	0.001	8.24
		N3450/N3476	40x80x2 (#)	0.725	0.000	2.58
		N3491/N3450	40x80x2 (#)	2.315	0.001	8.24
		N3450/N3495	40x80x2 (#)	2.315	0.001	8.24
		N3476/N3496	40x80x2 (#)	2.315	0.001	8.24
		N3495/N3496	40x80x2 (#)	0.725	0.000	2.58
		N3492/N3493	40x80x2 (#)	0.725	0.000	2.58
		N3328/N3308	40x80x2 (#)	0.725	0.000	2.58
		N3354/N3380	40x80x2 (#)	0.725	0.000	2.58
		N3406/N3432	40x80x2 (#)	0.725	0.000	2.58
		N3498/N3497	40x80x2 (#)	0.725	0.000	2.58
		N3458/N3484	40x80x2 (#)	0.725	0.000	2.58
		N3499/N3500	40x80x2 (#)	0.725	0.000	2.58
		N3501/N3502	40x80x2 (#)	0.725	0.000	2.58
		N3296/N2964	40x80x2 (#)	1.075	0.000	3.83
		N3364/N2986	40x80x2 (#)	1.075	0.000	3.83
		N3416/N3038	40x80x2 (#)	1.075	0.000	3.83
		N3486/N3133	40x80x2 (#)	1.075	0.000	3.83
		N3487/N3136	40x80x2 (#)	1.075	0.000	3.83
		N3468/N3090	40x80x2 (#)	1.075	0.000	3.83
		N3489/N3138	40x80x2 (#)	1.075	0.000	3.83
		N3302/N2970	40x80x2 (#)	1.075	0.000	3.83
		N3372/N2994	40x80x2 (#)	1.075	0.000	3.83
		N3424/N3046	40x80x2 (#)	1.075	0.000	3.83
		N3493/N3140	40x80x2 (#)	1.075	0.000	3.83
		N3494/N3139	40x80x2 (#)	1.075	0.000	3.83
		N3476/N3098	40x80x2 (#)	1.075	0.000	3.83
		N3496/N3143	40x80x2 (#)	1.075	0.000	3.83
		N3308/N2976	40x80x2 (#)	1.075	0.000	3.83
		N3380/N3002	40x80x2 (#)	1.075	0.000	3.83
		N3432/N3054	40x80x2 (#)	1.075	0.000	3.83
		N3502/N3149	40x80x2 (#)	1.075	0.000	3.83
		N3497/N3146	40x80x2 (#)	1.075	0.000	3.83
		N3484/N3106	40x80x2 (#)	1.075	0.000	3.83
		N3500/N3147	40x80x2 (#)	1.075	0.000	3.83
		N3390/N3485	40x80x2 (#)	2.315	0.001	8.24
		N3416/N3486	40x80x2 (#)	2.315	0.001	8.24
		N3310/N3330	40x60x1.5 (#)	2.315	0.001	5.18
		N3311/N3331	40x60x1.5 (#)	2.315	0.001	5.18
		N3312/N3332	40x60x1.5 (#)	2.315	0.001	5.18
		N3313/N3334	40x60x1.5 (#)	2.315	0.001	5.18
		N3314/N3335	40x60x1.5 (#)	2.315	0.001	5.18
		N3315/N3336	40x60x1.5 (#)	2.315	0.001	5.18
		N3330/N3382	40x60x1.5 (#)	2.315	0.001	5.18
		N3331/N3383	40x60x1.5 (#)	2.315	0.001	5.18
		N3332/N3384	40x60x1.5 (#)	2.315	0.001	5.18
		N3334/N3386	40x60x1.5 (#)	2.315	0.001	5.18
		N3335/N3387	40x60x1.5 (#)	2.315	0.001	5.18
		N3336/N3388	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N3503/N3434	40x60x1.5 (#)	2.315	0.001	5.18
		N3504/N3435	40x60x1.5 (#)	2.315	0.001	5.18
		N3505/N3436	40x60x1.5 (#)	2.315	0.001	5.18
		N3506/N3438	40x60x1.5 (#)	2.315	0.001	5.18
		N3507/N3439	40x60x1.5 (#)	2.315	0.001	5.18
		N3508/N3440	40x60x1.5 (#)	2.315	0.001	5.18
		N3434/N3509	40x60x1.5 (#)	2.315	0.001	5.18
		N3435/N3510	40x60x1.5 (#)	2.315	0.001	5.18
		N3436/N3511	40x60x1.5 (#)	2.315	0.001	5.18
		N3438/N3512	40x60x1.5 (#)	2.315	0.001	5.18
		N3439/N3513	40x60x1.5 (#)	2.315	0.001	5.18
		N3440/N3514	40x60x1.5 (#)	2.315	0.001	5.18
		N3443/N3515	40x60x1.5 (#)	2.315	0.001	5.18
		N3444/N3516	40x60x1.5 (#)	2.315	0.001	5.18
		N3447/N3517	40x60x1.5 (#)	2.315	0.001	5.18
		N3448/N3518	40x60x1.5 (#)	2.315	0.001	5.18
		N3446/N3519	40x60x1.5 (#)	2.315	0.001	5.18
		N3520/N3443	40x60x1.5 (#)	2.315	0.001	5.18
		N3521/N3444	40x60x1.5 (#)	2.315	0.001	5.18
		N3522/N3447	40x60x1.5 (#)	2.315	0.001	5.18
		N3523/N3448	40x60x1.5 (#)	2.315	0.001	5.18
		N3524/N3446	40x60x1.5 (#)	2.315	0.001	5.18
		N3339/N3391	40x60x1.5 (#)	2.315	0.001	5.18
		N3340/N3392	40x60x1.5 (#)	2.315	0.001	5.18
		N3343/N3395	40x60x1.5 (#)	2.315	0.001	5.18
		N3344/N3396	40x60x1.5 (#)	2.315	0.001	5.18
		N3342/N3394	40x60x1.5 (#)	2.315	0.001	5.18
		N3317/N3339	40x60x1.5 (#)	2.315	0.001	5.18
		N3318/N3340	40x60x1.5 (#)	2.315	0.001	5.18
		N3320/N3343	40x60x1.5 (#)	2.315	0.001	5.18
		N3321/N3344	40x60x1.5 (#)	2.315	0.001	5.18
		N3319/N3342	40x60x1.5 (#)	2.315	0.001	5.18
		N3325/N3350	40x60x1.5 (#)	2.315	0.001	5.18
		N3326/N3351	40x60x1.5 (#)	2.315	0.001	5.18
		N3327/N3352	40x60x1.5 (#)	2.315	0.001	5.18
		N3324/N3348	40x60x1.5 (#)	2.315	0.001	5.18
		N3323/N3347	40x60x1.5 (#)	2.315	0.001	5.18
		N3350/N3402	40x60x1.5 (#)	2.315	0.001	5.18
		N3351/N3403	40x60x1.5 (#)	2.315	0.001	5.18
		N3352/N3404	40x60x1.5 (#)	2.315	0.001	5.18
		N3348/N3400	40x60x1.5 (#)	2.315	0.001	5.18
		N3347/N3399	40x60x1.5 (#)	2.315	0.001	5.18
		N3525/N3454	40x60x1.5 (#)	2.315	0.001	5.18
		N3526/N3455	40x60x1.5 (#)	2.315	0.001	5.18
		N3527/N3456	40x60x1.5 (#)	2.315	0.001	5.18
		N3528/N3452	40x60x1.5 (#)	2.315	0.001	5.18
		N3529/N3451	40x60x1.5 (#)	2.315	0.001	5.18
		N3454/N3530	40x60x1.5 (#)	2.315	0.001	5.18
		N3456/N3531	40x60x1.5 (#)	2.315	0.001	5.18
		N3455/N3532	40x60x1.5 (#)	2.315	0.001	5.18
		N3451/N3533	40x60x1.5 (#)	2.315	0.001	5.18
		N3452/N3534	40x60x1.5 (#)	2.315	0.001	5.18
		N3290/N3356	40x60x1.5 (#)	2.315	0.001	5.18
		N3291/N3357	40x60x1.5 (#)	2.315	0.001	5.18
		N3292/N3359	40x60x1.5 (#)	2.315	0.001	5.18
		N3293/N3360	40x60x1.5 (#)	2.315	0.001	5.18
		N3294/N3361	40x60x1.5 (#)	2.315	0.001	5.18
		N3295/N3363	40x60x1.5 (#)	2.315	0.001	5.18
		N3356/N3408	40x60x1.5 (#)	2.315	0.001	5.18
		N3357/N3409	40x60x1.5 (#)	2.315	0.001	5.18
		N3359/N3411	40x60x1.5 (#)	2.315	0.001	5.18
		N3360/N3412	40x60x1.5 (#)	2.315	0.001	5.18
		N3361/N3413	40x60x1.5 (#)	2.315	0.001	5.18
		N3363/N3415	40x60x1.5 (#)	2.315	0.001	5.18
		N3535/N3460	40x60x1.5 (#)	2.315	0.001	5.18
		N3536/N3461	40x60x1.5 (#)	2.315	0.001	5.18
		N3537/N3463	40x60x1.5 (#)	2.315	0.001	5.18
		N3538/N3464	40x60x1.5 (#)	2.315	0.001	5.18
		N3539/N3465	40x60x1.5 (#)	2.315	0.001	5.18
		N3540/N3467	40x60x1.5 (#)	2.315	0.001	5.18
		N3460/N3541	40x60x1.5 (#)	2.315	0.001	5.18
		N3461/N3542	40x60x1.5 (#)	2.315	0.001	5.18
		N3463/N3543	40x60x1.5 (#)	2.315	0.001	5.18
		N3464/N3544	40x60x1.5 (#)	2.315	0.001	5.18
		N3465/N3545	40x60x1.5 (#)	2.315	0.001	5.18
		N3467/N3546	40x60x1.5 (#)	2.315	0.001	5.18
		N3469/N3547	40x60x1.5 (#)	2.315	0.001	5.18
		N3471/N3548	40x60x1.5 (#)	2.315	0.001	5.18
		N3473/N3549	40x60x1.5 (#)	2.315	0.001	5.18
		N3475/N3550	40x60x1.5 (#)	2.315	0.001	5.18
		N3472/N3551	40x60x1.5 (#)	2.315	0.001	5.18
		N3552/N3469	40x60x1.5 (#)	2.315	0.001	5.18
		N3553/N3471	40x60x1.5 (#)	2.315	0.001	5.18
		N3554/N3473	40x60x1.5 (#)	2.315	0.001	5.18
		N3555/N3475	40x60x1.5 (#)	2.315	0.001	5.18
		N3556/N3472	40x60x1.5 (#)	2.315	0.001	5.18
		N3365/N3417	40x60x1.5 (#)	2.315	0.001	5.18
		N3367/N3419	40x60x1.5 (#)	2.315	0.001	5.18
		N3369/N3421	40x60x1.5 (#)	2.315	0.001	5.18
		N3371/N3423	40x60x1.5 (#)	2.315	0.001	5.18
		N3368/N3420	40x60x1.5 (#)	2.315	0.001	5.18
		N3297/N3365	40x60x1.5 (#)	2.315	0.001	5.18
		N3298/N3367	40x60x1.5 (#)	2.315	0.001	5.18
		N3300/N3369	40x60x1.5 (#)	2.315	0.001	5.18
		N3301/N3371	40x60x1.5 (#)	2.315	0.001	5.18
		N3299/N3368	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N3305/N3376	40x60x1.5 (#)	2.315	0.001	5.18
		N3306/N3377	40x60x1.5 (#)	2.315	0.001	5.18
		N3307/N3379	40x60x1.5 (#)	2.315	0.001	5.18
		N3304/N3375	40x60x1.5 (#)	2.315	0.001	5.18
		N3303/N3373	40x60x1.5 (#)	2.315	0.001	5.18
		N3376/N3428	40x60x1.5 (#)	2.315	0.001	5.18
		N3377/N3429	40x60x1.5 (#)	2.315	0.001	5.18
		N3379/N3431	40x60x1.5 (#)	2.315	0.001	5.18
		N3375/N3427	40x60x1.5 (#)	2.315	0.001	5.18
		N3373/N3425	40x60x1.5 (#)	2.315	0.001	5.18
		N3557/N3480	40x60x1.5 (#)	2.315	0.001	5.18
		N3558/N3481	40x60x1.5 (#)	2.315	0.001	5.18
		N3559/N3483	40x60x1.5 (#)	2.315	0.001	5.18
		N3560/N3479	40x60x1.5 (#)	2.315	0.001	5.18
		N3561/N3477	40x60x1.5 (#)	2.315	0.001	5.18
		N3480/N3562	40x60x1.5 (#)	2.315	0.001	5.18
		N3483/N3563	40x60x1.5 (#)	2.315	0.001	5.18
		N3481/N3564	40x60x1.5 (#)	2.315	0.001	5.18
		N3477/N3565	40x60x1.5 (#)	2.315	0.001	5.18
		N3479/N3566	40x60x1.5 (#)	2.315	0.001	5.18
		N3382/N3567	40x60x1.5 (#)	2.315	0.001	5.18
		N3383/N3568	40x60x1.5 (#)	2.315	0.001	5.18
		N3384/N3569	40x60x1.5 (#)	2.315	0.001	5.18
		N3386/N3570	40x60x1.5 (#)	2.315	0.001	5.18
		N3387/N3571	40x60x1.5 (#)	2.315	0.001	5.18
		N3388/N3572	40x60x1.5 (#)	2.315	0.001	5.18
		N3391/N3573	40x60x1.5 (#)	2.315	0.001	5.18
		N3392/N3574	40x60x1.5 (#)	2.315	0.001	5.18
		N3391/N3573	40x60x1.5 (#)	2.315	0.001	5.18
		N3392/N3574	40x60x1.5 (#)	2.315	0.001	5.18
		N3395/N3575	40x60x1.5 (#)	2.315	0.001	5.18
		N3396/N3576	40x60x1.5 (#)	2.315	0.001	5.18
		N3394/N3577	40x60x1.5 (#)	2.315	0.001	5.18
		N3402/N3578	40x60x1.5 (#)	2.315	0.001	5.18
		N3403/N3579	40x60x1.5 (#)	2.315	0.001	5.18
		N3404/N3580	40x60x1.5 (#)	2.315	0.001	5.18
		N3400/N3581	40x60x1.5 (#)	2.315	0.001	5.18
		N3399/N3582	40x60x1.5 (#)	2.315	0.001	5.18
		N3408/N3583	40x60x1.5 (#)	2.315	0.001	5.18
		N3409/N3584	40x60x1.5 (#)	2.315	0.001	5.18
		N3411/N3585	40x60x1.5 (#)	2.315	0.001	5.18
		N3412/N3586	40x60x1.5 (#)	2.315	0.001	5.18
		N3413/N3587	40x60x1.5 (#)	2.315	0.001	5.18
		N3415/N3588	40x60x1.5 (#)	2.315	0.001	5.18
		N3417/N3589	40x60x1.5 (#)	2.315	0.001	5.18
		N3419/N3590	40x60x1.5 (#)	2.315	0.001	5.18
		N3421/N3591	40x60x1.5 (#)	2.315	0.001	5.18
		N3423/N3592	40x60x1.5 (#)	2.315	0.001	5.18
		N3420/N3593	40x60x1.5 (#)	2.315	0.001	5.18
		N3428/N3594	40x60x1.5 (#)	2.315	0.001	5.18
		N3429/N3595	40x60x1.5 (#)	2.315	0.001	5.18
		N3431/N3596	40x60x1.5 (#)	2.315	0.001	5.18
		N3427/N3597	40x60x1.5 (#)	2.315	0.001	5.18
		N3425/N3598	40x60x1.5 (#)	2.315	0.001	5.18
		N3599/N3485	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3485/N3492	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3492/N3501	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3606/N3486	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3486/N3493	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3493/N3502	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3613/N3488	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3488/N3491	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3491/N3498	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3620/N3487	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3487/N3494	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3494/N3497	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3627/N3490	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3490/N3495	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3495/N3499	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3634/N3489	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3489/N3496	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3496/N3500	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3424/N3493	40x80x2 (#)	2.315	0.001	8.24
		N3398/N3492	40x80x2 (#)	2.315	0.001	8.24
		N3310/N3290	CF-60x2.0 (C)	0.725	0.000	1.77
		N3310/N3292	CF-60x2.0 (C)	1.140	0.000	2.79
		N3292/N3313	CF-60x2.0 (C)	0.848	0.000	2.08
		N3313/N3295	CF-60x2.0 (C)	1.140	0.000	2.79
		N3295/N3316	CF-60x2.0 (C)	0.886	0.000	2.17
		N2958/N2938	CF-60x2.0 (C)	0.725	0.000	1.77
		N2958/N2940	CF-60x2.0 (C)	1.140	0.000	2.79
		N2940/N2961	CF-60x2.0 (C)	0.848	0.000	2.08
		N2961/N2943	CF-60x2.0 (C)	1.140	0.000	2.79
		N2943/N2964	CF-60x2.0 (C)	0.886	0.000	2.17
		N3316/N3298	CF-60x2.0 (C)	1.140	0.000	2.79
		N3298/N3319	CF-60x2.0 (C)	0.853	0.000	2.09
		N3319/N3301	CF-60x2.0 (C)	1.140	0.000	2.79
		N3301/N3322	CF-60x2.0 (C)	0.853	0.000	2.09
		N3322/N3304	CF-60x2.0 (C)	1.140	0.000	2.79
		N3304/N3325	CF-60x2.0 (C)	0.853	0.000	2.09
		N3325/N3307	CF-60x2.0 (C)	1.140	0.000	2.79
		N3307/N3328	CF-60x2.0 (C)	0.853	0.000	2.09
		N2964/N2946	CF-60x2.0 (C)	1.140	0.000	2.79
		N2946/N2967	CF-60x2.0 (C)	0.853	0.000	2.09
		N2967/N2949	CF-60x2.0 (C)	1.140	0.000	2.79
		N2949/N2970	CF-60x2.0 (C)	0.853	0.000	2.09
		N2970/N2952	CF-60x2.0 (C)	1.140	0.000	2.79
		N2952/N2973	CF-60x2.0 (C)	0.853	0.000	2.09

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2973/N2955	CF-60x2.0 (C)	1.140	0.000	2.79
		N2955/N2976	CF-60x2.0 (C)	0.853	0.000	2.09
		N3641/N3648	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3648/N3654	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3654/N3660	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3661/N3668	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3668/N3674	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3674/N3680	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3681/N3690	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3690/N3698	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3698/N3706	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3707/N3716	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3716/N3724	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3724/N3732	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3733/N3742	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3742/N3750	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3750/N3758	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3759/N3768	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3768/N3776	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3776/N3784	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3785/N3794	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3794/N3802	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3802/N3810	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3811/N3820	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3820/N3828	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3828/N3836	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3668/N3648	40x80x2 (#)	0.725	0.000	2.58
		N3668/N3690	40x80x2 (#)	2.315	0.001	8.24
		N3668/N3648	40x80x2 (#)	0.725	0.000	2.58
		N3668/N3690	40x80x2 (#)	2.315	0.001	8.24
		N3690/N3716	40x80x2 (#)	0.725	0.000	2.58
		N3648/N3716	40x80x2 (#)	2.315	0.001	8.24
		N3690/N3742	40x80x2 (#)	2.315	0.001	8.24
		N3742/N3768	40x80x2 (#)	0.725	0.000	2.58
		N3716/N3768	40x80x2 (#)	2.315	0.001	8.24
		N3837/N3838	40x80x2 (#)	0.725	0.000	2.58
		N3838/N3839	40x80x2 (#)	1.575	0.001	5.61
		N3840/N3839	40x80x2 (#)	0.725	0.000	2.58
		N3837/N3840	40x80x2 (#)	1.575	0.001	5.61
		N3839/N3820	40x80x2 (#)	2.315	0.001	8.24
		N3794/N3820	40x80x2 (#)	0.725	0.000	2.58
		N3840/N3794	40x80x2 (#)	2.315	0.001	8.24
		N3820/N3841	40x80x2 (#)	2.315	0.001	8.24
		N3842/N3841	40x80x2 (#)	0.725	0.000	2.58
		N3794/N3842	40x80x2 (#)	2.315	0.001	8.24
		N3674/N3654	40x80x2 (#)	0.725	0.000	2.58
		N3654/N3724	40x80x2 (#)	2.315	0.001	8.24
		N3674/N3698	40x80x2 (#)	2.315	0.001	8.24
		N3698/N3724	40x80x2 (#)	0.725	0.000	2.58
		N3698/N3750	40x80x2 (#)	2.315	0.001	8.24
		N3724/N3776	40x80x2 (#)	2.315	0.001	8.24
		N3750/N3776	40x80x2 (#)	0.725	0.000	2.58
		N3844/N3843	40x80x2 (#)	1.575	0.001	5.61
		N3845/N3846	40x80x2 (#)	1.575	0.001	5.61
		N3843/N3846	40x80x2 (#)	0.725	0.000	2.58
		N3846/N3828	40x80x2 (#)	2.315	0.001	8.24
		N3802/N3828	40x80x2 (#)	0.725	0.000	2.58
		N3843/N3802	40x80x2 (#)	2.315	0.001	8.24
		N3802/N3847	40x80x2 (#)	2.315	0.001	8.24
		N3828/N3848	40x80x2 (#)	2.315	0.001	8.24
		N3847/N3848	40x80x2 (#)	0.725	0.000	2.58
		N3844/N3845	40x80x2 (#)	0.725	0.000	2.58
		N3680/N3660	40x80x2 (#)	0.725	0.000	2.58
		N3706/N3732	40x80x2 (#)	0.725	0.000	2.58
		N3758/N3784	40x80x2 (#)	0.725	0.000	2.58
		N3850/N3849	40x80x2 (#)	0.725	0.000	2.58
		N3810/N3836	40x80x2 (#)	0.725	0.000	2.58
		N3850/N3849	40x80x2 (#)	0.725	0.000	2.58
		N3810/N3836	40x80x2 (#)	0.725	0.000	2.58
		N3851/N3852	40x80x2 (#)	0.725	0.000	2.58
		N3853/N3854	40x80x2 (#)	0.725	0.000	2.58
		N3648/N3316	40x80x2 (#)	1.075	0.000	3.83
		N3716/N3338	40x80x2 (#)	1.075	0.000	3.83
		N3768/N3390	40x80x2 (#)	1.075	0.000	3.83
		N3838/N3485	40x80x2 (#)	1.075	0.000	3.83
		N3839/N3488	40x80x2 (#)	1.075	0.000	3.83
		N3820/N3442	40x80x2 (#)	1.075	0.000	3.83
		N3841/N3490	40x80x2 (#)	1.075	0.000	3.83
		N3654/N3322	40x80x2 (#)	1.075	0.000	3.83
		N3724/N3346	40x80x2 (#)	1.075	0.000	3.83
		N3776/N3398	40x80x2 (#)	1.075	0.000	3.83
		N3845/N3492	40x80x2 (#)	1.075	0.000	3.83
		N3846/N3491	40x80x2 (#)	1.075	0.000	3.83
		N3828/N3450	40x80x2 (#)	1.075	0.000	3.83
		N3848/N3495	40x80x2 (#)	1.075	0.000	3.83
		N3660/N3328	40x80x2 (#)	1.075	0.000	3.83
		N3732/N3354	40x80x2 (#)	1.075	0.000	3.83
		N3784/N3406	40x80x2 (#)	1.075	0.000	3.83
		N3854/N3501	40x80x2 (#)	1.075	0.000	3.83
		N3849/N3498	40x80x2 (#)	1.075	0.000	3.83
		N3836/N3458	40x80x2 (#)	1.075	0.000	3.83
		N3852/N3499	40x80x2 (#)	1.075	0.000	3.83
		N3742/N3837	40x80x2 (#)	2.315	0.001	8.24
		N3768/N3838	40x80x2 (#)	2.315	0.001	8.24
		N3662/N3682	40x60x1.5 (#)	2.315	0.001	5.18
		N3663/N3683	40x60x1.5 (#)	2.315	0.001	5.18
		N3664/N3684	40x60x1.5 (#)	2.315	0.001	5.18
		N3665/N3686	40x60x1.5 (#)	2.315	0.001	5.18
		N3666/N3687	40x60x1.5 (#)	2.315	0.001	5.18
		N3667/N3688	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N3682/N3734	40x60x1.5 (#)	2.315	0.001	5.18
		N3683/N3735	40x60x1.5 (#)	2.315	0.001	5.18
		N3684/N3736	40x60x1.5 (#)	2.315	0.001	5.18
		N3686/N3738	40x60x1.5 (#)	2.315	0.001	5.18
		N3687/N3739	40x60x1.5 (#)	2.315	0.001	5.18
		N3688/N3740	40x60x1.5 (#)	2.315	0.001	5.18
		N3855/N3786	40x60x1.5 (#)	2.315	0.001	5.18
		N3856/N3787	40x60x1.5 (#)	2.315	0.001	5.18
		N3857/N3788	40x60x1.5 (#)	2.315	0.001	5.18
		N3858/N3790	40x60x1.5 (#)	2.315	0.001	5.18
		N3859/N3791	40x60x1.5 (#)	2.315	0.001	5.18
		N3860/N3792	40x60x1.5 (#)	2.315	0.001	5.18
		N3786/N3861	40x60x1.5 (#)	2.315	0.001	5.18
		N3787/N3862	40x60x1.5 (#)	2.315	0.001	5.18
		N3788/N3863	40x60x1.5 (#)	2.315	0.001	5.18
		N3790/N3864	40x60x1.5 (#)	2.315	0.001	5.18
		N3791/N3865	40x60x1.5 (#)	2.315	0.001	5.18
		N3792/N3866	40x60x1.5 (#)	2.315	0.001	5.18
		N3795/N3867	40x60x1.5 (#)	2.315	0.001	5.18
		N3796/N3868	40x60x1.5 (#)	2.315	0.001	5.18
		N3799/N3869	40x60x1.5 (#)	2.315	0.001	5.18
		N3800/N3870	40x60x1.5 (#)	2.315	0.001	5.18
		N3798/N3871	40x60x1.5 (#)	2.315	0.001	5.18
		N3872/N3795	40x60x1.5 (#)	2.315	0.001	5.18
		N3873/N3796	40x60x1.5 (#)	2.315	0.001	5.18
		N3874/N3799	40x60x1.5 (#)	2.315	0.001	5.18
		N3875/N3800	40x60x1.5 (#)	2.315	0.001	5.18
		N3876/N3798	40x60x1.5 (#)	2.315	0.001	5.18
		N3691/N3743	40x60x1.5 (#)	2.315	0.001	5.18
		N3692/N3744	40x60x1.5 (#)	2.315	0.001	5.18
		N3695/N3747	40x60x1.5 (#)	2.315	0.001	5.18
		N3696/N3748	40x60x1.5 (#)	2.315	0.001	5.18
		N3694/N3746	40x60x1.5 (#)	2.315	0.001	5.18
		N3669/N3691	40x60x1.5 (#)	2.315	0.001	5.18
		N3670/N3692	40x60x1.5 (#)	2.315	0.001	5.18
		N3672/N3695	40x60x1.5 (#)	2.315	0.001	5.18
		N3673/N3696	40x60x1.5 (#)	2.315	0.001	5.18
		N3671/N3694	40x60x1.5 (#)	2.315	0.001	5.18
		N3677/N3702	40x60x1.5 (#)	2.315	0.001	5.18
		N3678/N3703	40x60x1.5 (#)	2.315	0.001	5.18
		N3679/N3704	40x60x1.5 (#)	2.315	0.001	5.18
		N3676/N3700	40x60x1.5 (#)	2.315	0.001	5.18
		N3675/N3699	40x60x1.5 (#)	2.315	0.001	5.18
		N3702/N3754	40x60x1.5 (#)	2.315	0.001	5.18
		N3703/N3755	40x60x1.5 (#)	2.315	0.001	5.18
		N3704/N3756	40x60x1.5 (#)	2.315	0.001	5.18
		N3700/N3752	40x60x1.5 (#)	2.315	0.001	5.18
		N3699/N3751	40x60x1.5 (#)	2.315	0.001	5.18
		N3877/N3806	40x60x1.5 (#)	2.315	0.001	5.18
		N3878/N3807	40x60x1.5 (#)	2.315	0.001	5.18
		N3879/N3808	40x60x1.5 (#)	2.315	0.001	5.18
		N3880/N3804	40x60x1.5 (#)	2.315	0.001	5.18
		N3881/N3803	40x60x1.5 (#)	2.315	0.001	5.18
		N3806/N3882	40x60x1.5 (#)	2.315	0.001	5.18
		N3808/N3883	40x60x1.5 (#)	2.315	0.001	5.18
		N3807/N3884	40x60x1.5 (#)	2.315	0.001	5.18
		N3803/N3885	40x60x1.5 (#)	2.315	0.001	5.18
		N3804/N3886	40x60x1.5 (#)	2.315	0.001	5.18
		N3642/N3708	40x60x1.5 (#)	2.315	0.001	5.18
		N3643/N3709	40x60x1.5 (#)	2.315	0.001	5.18
		N3644/N3711	40x60x1.5 (#)	2.315	0.001	5.18
		N3645/N3712	40x60x1.5 (#)	2.315	0.001	5.18
		N3646/N3713	40x60x1.5 (#)	2.315	0.001	5.18
		N3647/N3715	40x60x1.5 (#)	2.315	0.001	5.18
		N3708/N3760	40x60x1.5 (#)	2.315	0.001	5.18
		N3709/N3761	40x60x1.5 (#)	2.315	0.001	5.18
		N3711/N3763	40x60x1.5 (#)	2.315	0.001	5.18
		N3712/N3764	40x60x1.5 (#)	2.315	0.001	5.18
		N3713/N3765	40x60x1.5 (#)	2.315	0.001	5.18
		N3715/N3767	40x60x1.5 (#)	2.315	0.001	5.18
		N3887/N3812	40x60x1.5 (#)	2.315	0.001	5.18
		N3888/N3813	40x60x1.5 (#)	2.315	0.001	5.18
		N3889/N3815	40x60x1.5 (#)	2.315	0.001	5.18
		N3890/N3816	40x60x1.5 (#)	2.315	0.001	5.18
		N3891/N3817	40x60x1.5 (#)	2.315	0.001	5.18
		N3892/N3819	40x60x1.5 (#)	2.315	0.001	5.18
		N3812/N3893	40x60x1.5 (#)	2.315	0.001	5.18
		N3813/N3894	40x60x1.5 (#)	2.315	0.001	5.18
		N3815/N3895	40x60x1.5 (#)	2.315	0.001	5.18
		N3816/N3896	40x60x1.5 (#)	2.315	0.001	5.18
		N3817/N3897	40x60x1.5 (#)	2.315	0.001	5.18
		N3819/N3898	40x60x1.5 (#)	2.315	0.001	5.18
		N3821/N3899	40x60x1.5 (#)	2.315	0.001	5.18
		N3823/N3900	40x60x1.5 (#)	2.315	0.001	5.18
		N3825/N3901	40x60x1.5 (#)	2.315	0.001	5.18
		N3827/N3902	40x60x1.5 (#)	2.315	0.001	5.18
		N3824/N3903	40x60x1.5 (#)	2.315	0.001	5.18
		N3904/N3821	40x60x1.5 (#)	2.315	0.001	5.18
		N3905/N3823	40x60x1.5 (#)	2.315	0.001	5.18
		N3906/N3825	40x60x1.5 (#)	2.315	0.001	5.18
		N3907/N3827	40x60x1.5 (#)	2.315	0.001	5.18
		N3908/N3824	40x60x1.5 (#)	2.315	0.001	5.18
		N3717/N3769	40x60x1.5 (#)	2.315	0.001	5.18
		N3719/N3771	40x60x1.5 (#)	2.315	0.001	5.18
		N3721/N3773	40x60x1.5 (#)	2.315	0.001	5.18
		N3723/N3775	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N3720/N3772	40x60x1.5 (#)	2.315	0.001	5.18
		N3649/N3717	40x60x1.5 (#)	2.315	0.001	5.18
		N3650/N3719	40x60x1.5 (#)	2.315	0.001	5.18
		N3652/N3721	40x60x1.5 (#)	2.315	0.001	5.18
		N3653/N3723	40x60x1.5 (#)	2.315	0.001	5.18
		N3651/N3720	40x60x1.5 (#)	2.315	0.001	5.18
		N3657/N3728	40x60x1.5 (#)	2.315	0.001	5.18
		N3658/N3729	40x60x1.5 (#)	2.315	0.001	5.18
		N3659/N3731	40x60x1.5 (#)	2.315	0.001	5.18
		N3656/N3727	40x60x1.5 (#)	2.315	0.001	5.18
		N3655/N3725	40x60x1.5 (#)	2.315	0.001	5.18
		N3728/N3780	40x60x1.5 (#)	2.315	0.001	5.18
		N3729/N3781	40x60x1.5 (#)	2.315	0.001	5.18
		N3731/N3783	40x60x1.5 (#)	2.315	0.001	5.18
		N3727/N3779	40x60x1.5 (#)	2.315	0.001	5.18
		N3725/N3777	40x60x1.5 (#)	2.315	0.001	5.18
		N3909/N3832	40x60x1.5 (#)	2.315	0.001	5.18
		N3910/N3833	40x60x1.5 (#)	2.315	0.001	5.18
		N3911/N3835	40x60x1.5 (#)	2.315	0.001	5.18
		N3912/N3831	40x60x1.5 (#)	2.315	0.001	5.18
		N3913/N3829	40x60x1.5 (#)	2.315	0.001	5.18
		N3832/N3914	40x60x1.5 (#)	2.315	0.001	5.18
		N3835/N3915	40x60x1.5 (#)	2.315	0.001	5.18
		N3833/N3916	40x60x1.5 (#)	2.315	0.001	5.18
		N3829/N3917	40x60x1.5 (#)	2.315	0.001	5.18
		N3831/N3918	40x60x1.5 (#)	2.315	0.001	5.18
		N3734/N3919	40x60x1.5 (#)	2.315	0.001	5.18
		N3735/N3920	40x60x1.5 (#)	2.315	0.001	5.18
		N3736/N3921	40x60x1.5 (#)	2.315	0.001	5.18
		N3738/N3922	40x60x1.5 (#)	2.315	0.001	5.18
		N3739/N3923	40x60x1.5 (#)	2.315	0.001	5.18
		N3740/N3924	40x60x1.5 (#)	2.315	0.001	5.18
		N3743/N3925	40x60x1.5 (#)	2.315	0.001	5.18
		N3744/N3926	40x60x1.5 (#)	2.315	0.001	5.18
		N3747/N3927	40x60x1.5 (#)	2.315	0.001	5.18
		N3748/N3928	40x60x1.5 (#)	2.315	0.001	5.18
		N3746/N3929	40x60x1.5 (#)	2.315	0.001	5.18
		N3754/N3930	40x60x1.5 (#)	2.315	0.001	5.18
		N3755/N3931	40x60x1.5 (#)	2.315	0.001	5.18
		N3756/N3932	40x60x1.5 (#)	2.315	0.001	5.18
		N3752/N3933	40x60x1.5 (#)	2.315	0.001	5.18
		N3751/N3934	40x60x1.5 (#)	2.315	0.001	5.18
		N3760/N3935	40x60x1.5 (#)	2.315	0.001	5.18
		N3761/N3936	40x60x1.5 (#)	2.315	0.001	5.18
		N3763/N3937	40x60x1.5 (#)	2.315	0.001	5.18
		N3764/N3938	40x60x1.5 (#)	2.315	0.001	5.18
		N3765/N3939	40x60x1.5 (#)	2.315	0.001	5.18
		N3767/N3940	40x60x1.5 (#)	2.315	0.001	5.18
		N3769/N3941	40x60x1.5 (#)	2.315	0.001	5.18
		N3771/N3942	40x60x1.5 (#)	2.315	0.001	5.18
		N3773/N3943	40x60x1.5 (#)	2.315	0.001	5.18
		N3775/N3944	40x60x1.5 (#)	2.315	0.001	5.18
		N3772/N3945	40x60x1.5 (#)	2.315	0.001	5.18
		N3780/N3946	40x60x1.5 (#)	2.315	0.001	5.18
		N3781/N3947	40x60x1.5 (#)	2.315	0.001	5.18
		N3783/N3948	40x60x1.5 (#)	2.315	0.001	5.18
		N3779/N3949	40x60x1.5 (#)	2.315	0.001	5.18
		N3777/N3950	40x60x1.5 (#)	2.315	0.001	5.18
		N3951/N3837	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3837/N3844	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3844/N3853	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3958/N3838	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3838/N3845	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3845/N3854	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3965/N3840	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3840/N3843	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3843/N3850	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3972/N3839	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3839/N3846	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3846/N3849	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3979/N3842	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3842/N3847	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3847/N3851	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3986/N3841	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N3841/N3848	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3848/N3852	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N3776/N3845	40x80x2 (#)	2.315	0.001	8.24
		N3750/N3844	40x80x2 (#)	2.315	0.001	8.24
		N3993/N4000	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4000/N4006	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4006/N4012	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4013/N4020	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4020/N4026	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4026/N4032	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4033/N4042	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4042/N4050	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4050/N4058	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4059/N4068	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4068/N4076	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4076/N4084	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4085/N4094	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4094/N4102	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4102/N4110	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4111/N4120	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4120/N4128	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4128/N4136	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4137/N4146	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4146/N4154	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4154/N4162	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4163/N4172	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4172/N4180	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4180/N4188	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4020/N4000	40x80x2 (#)	0.725	0.000	2.58
		N4020/N4042	40x80x2 (#)	2.315	0.001	8.24
		N4042/N4068	40x80x2 (#)	0.725	0.000	2.58
		N4000/N4068	40x80x2 (#)	2.315	0.001	8.24
		N4042/N4094	40x80x2 (#)	2.315	0.001	8.24
		N4094/N4120	40x80x2 (#)	0.725	0.000	2.58
		N4068/N4120	40x80x2 (#)	2.315	0.001	8.24
		N4189/N4190	40x80x2 (#)	0.725	0.000	2.58
		N4190/N4191	40x80x2 (#)	1.575	0.001	5.61
		N4192/N4191	40x80x2 (#)	0.725	0.000	2.58
		N4189/N4192	40x80x2 (#)	1.575	0.001	5.61
		N4191/N4172	40x80x2 (#)	2.315	0.001	8.24
		N4146/N4172	40x80x2 (#)	0.725	0.000	2.58
		N4192/N4146	40x80x2 (#)	2.315	0.001	8.24
		N4172/N4193	40x80x2 (#)	2.315	0.001	8.24
		N4194/N4193	40x80x2 (#)	0.725	0.000	2.58
		N4146/N4194	40x80x2 (#)	2.315	0.001	8.24
		N4026/N4006	40x80x2 (#)	0.725	0.000	2.58
		N4006/N4076	40x80x2 (#)	2.315	0.001	8.24
		N4026/N4050	40x80x2 (#)	2.315	0.001	8.24
		N4050/N4076	40x80x2 (#)	0.725	0.000	2.58
		N4050/N4102	40x80x2 (#)	2.315	0.001	8.24
		N4076/N4128	40x80x2 (#)	2.315	0.001	8.24
		N4102/N4128	40x80x2 (#)	0.725	0.000	2.58
		N4196/N4195	40x80x2 (#)	1.575	0.001	5.61
		N4197/N4198	40x80x2 (#)	1.575	0.001	5.61
		N4195/N4198	40x80x2 (#)	0.725	0.000	2.58
		N4198/N4180	40x80x2 (#)	2.315	0.001	8.24
		N4154/N4180	40x80x2 (#)	0.725	0.000	2.58
		N4195/N4154	40x80x2 (#)	2.315	0.001	8.24
		N4154/N4199	40x80x2 (#)	2.315	0.001	8.24
		N4180/N4200	40x80x2 (#)	2.315	0.001	8.24
		N4199/N4200	40x80x2 (#)	0.725	0.000	2.58
		N4196/N4197	40x80x2 (#)	0.725	0.000	2.58
		N4032/N4012	40x80x2 (#)	0.725	0.000	2.58
		N4058/N4084	40x80x2 (#)	0.725	0.000	2.58
		N4110/N4136	40x80x2 (#)	0.725	0.000	2.58
		N4202/N4201	40x80x2 (#)	0.725	0.000	2.58
		N4162/N4188	40x80x2 (#)	0.725	0.000	2.58
		N4203/N4204	40x80x2 (#)	0.725	0.000	2.58
		N4205/N4206	40x80x2 (#)	0.725	0.000	2.58
		N4000/N3668	40x80x2 (#)	1.075	0.000	3.83
		N4068/N3690	40x80x2 (#)	1.075	0.000	3.83
		N4120/N3742	40x80x2 (#)	1.075	0.000	3.83
		N4190/N3837	40x80x2 (#)	1.075	0.000	3.83
		N4191/N3840	40x80x2 (#)	1.075	0.000	3.83
		N4172/N3794	40x80x2 (#)	1.075	0.000	3.83
		N4193/N3842	40x80x2 (#)	1.075	0.000	3.83
		N4006/N3674	40x80x2 (#)	1.075	0.000	3.83
		N4076/N3698	40x80x2 (#)	1.075	0.000	3.83
		N4128/N3750	40x80x2 (#)	1.075	0.000	3.83
		N4197/N3844	40x80x2 (#)	1.075	0.000	3.83
		N4198/N3843	40x80x2 (#)	1.075	0.000	3.83
		N4180/N3802	40x80x2 (#)	1.075	0.000	3.83
		N4200/N3847	40x80x2 (#)	1.075	0.000	3.83
		N4012/N3680	40x80x2 (#)	1.075	0.000	3.83
		N4084/N3706	40x80x2 (#)	1.075	0.000	3.83
		N4136/N3758	40x80x2 (#)	1.075	0.000	3.83
		N4206/N3853	40x80x2 (#)	1.075	0.000	3.83
		N4201/N3850	40x80x2 (#)	1.075	0.000	3.83
		N4188/N3810	40x80x2 (#)	1.075	0.000	3.83
		N4204/N3851	40x80x2 (#)	1.075	0.000	3.83
		N4094/N4189	40x80x2 (#)	2.315	0.001	8.24
		N4120/N4190	40x80x2 (#)	2.315	0.001	8.24
		N4014/N4034	40x60x1.5 (#)	2.315	0.001	5.18
		N4015/N4035	40x60x1.5 (#)	2.315	0.001	5.18
		N4016/N4036	40x60x1.5 (#)	2.315	0.001	5.18
		N4017/N4038	40x60x1.5 (#)	2.315	0.001	5.18
		N4018/N4039	40x60x1.5 (#)	2.315	0.001	5.18
		N4019/N4040	40x60x1.5 (#)	2.315	0.001	5.18
		N4034/N4086	40x60x1.5 (#)	2.315	0.001	5.18
		N4035/N4087	40x60x1.5 (#)	2.315	0.001	5.18
		N4036/N4088	40x60x1.5 (#)	2.315	0.001	5.18
		N4038/N4090	40x60x1.5 (#)	2.315	0.001	5.18
		N4039/N4091	40x60x1.5 (#)	2.315	0.001	5.18
		N4040/N4092	40x60x1.5 (#)	2.315	0.001	5.18
		N4207/N4138	40x60x1.5 (#)	2.315	0.001	5.18
		N4208/N4139	40x60x1.5 (#)	2.315	0.001	5.18
		N4209/N4140	40x60x1.5 (#)	2.315	0.001	5.18
		N4210/N4142	40x60x1.5 (#)	2.315	0.001	5.18
		N4211/N4143	40x60x1.5 (#)	2.315	0.001	5.18
		N4212/N4144	40x60x1.5 (#)	2.315	0.001	5.18
		N4138/N4213	40x60x1.5 (#)	2.315	0.001	5.18
		N4139/N4214	40x60x1.5 (#)	2.315	0.001	5.18
		N4140/N4215	40x60x1.5 (#)	2.315	0.001	5.18
		N4142/N4216	40x60x1.5 (#)	2.315	0.001	5.18
		N4143/N4217	40x60x1.5 (#)	2.315	0.001	5.18
		N4144/N4218	40x60x1.5 (#)	2.315	0.001	5.18
		N4147/N4219	40x60x1.5 (#)	2.315	0.001	5.18
		N4148/N4220	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4151/N4221	40x60x1.5 (#)	2.315	0.001	5.18
		N4152/N4222	40x60x1.5 (#)	2.315	0.001	5.18
		N4150/N4223	40x60x1.5 (#)	2.315	0.001	5.18
		N4224/N4147	40x60x1.5 (#)	2.315	0.001	5.18
		N4225/N4148	40x60x1.5 (#)	2.315	0.001	5.18
		N4226/N4151	40x60x1.5 (#)	2.315	0.001	5.18
		N4227/N4152	40x60x1.5 (#)	2.315	0.001	5.18
		N4228/N4150	40x60x1.5 (#)	2.315	0.001	5.18
		N4043/N4095	40x60x1.5 (#)	2.315	0.001	5.18
		N4044/N4096	40x60x1.5 (#)	2.315	0.001	5.18
		N4047/N4099	40x60x1.5 (#)	2.315	0.001	5.18
		N4048/N4100	40x60x1.5 (#)	2.315	0.001	5.18
		N4046/N4098	40x60x1.5 (#)	2.315	0.001	5.18
		N4021/N4043	40x60x1.5 (#)	2.315	0.001	5.18
		N4022/N4044	40x60x1.5 (#)	2.315	0.001	5.18
		N4024/N4047	40x60x1.5 (#)	2.315	0.001	5.18
		N4025/N4048	40x60x1.5 (#)	2.315	0.001	5.18
		N4023/N4046	40x60x1.5 (#)	2.315	0.001	5.18
		N4029/N4054	40x60x1.5 (#)	2.315	0.001	5.18
		N4030/N4055	40x60x1.5 (#)	2.315	0.001	5.18
		N4031/N4056	40x60x1.5 (#)	2.315	0.001	5.18
		N4028/N4052	40x60x1.5 (#)	2.315	0.001	5.18
		N4027/N4051	40x60x1.5 (#)	2.315	0.001	5.18
		N4054/N4106	40x60x1.5 (#)	2.315	0.001	5.18
		N4055/N4107	40x60x1.5 (#)	2.315	0.001	5.18
		N4056/N4108	40x60x1.5 (#)	2.315	0.001	5.18
		N4052/N4104	40x60x1.5 (#)	2.315	0.001	5.18
		N4051/N4103	40x60x1.5 (#)	2.315	0.001	5.18
		N4229/N4158	40x60x1.5 (#)	2.315	0.001	5.18
		N4230/N4159	40x60x1.5 (#)	2.315	0.001	5.18
		N4231/N4160	40x60x1.5 (#)	2.315	0.001	5.18
		N4232/N4156	40x60x1.5 (#)	2.315	0.001	5.18
		N4233/N4155	40x60x1.5 (#)	2.315	0.001	5.18
		N4158/N4234	40x60x1.5 (#)	2.315	0.001	5.18
		N4160/N4235	40x60x1.5 (#)	2.315	0.001	5.18
		N4159/N4236	40x60x1.5 (#)	2.315	0.001	5.18
		N4155/N4237	40x60x1.5 (#)	2.315	0.001	5.18
		N4156/N4238	40x60x1.5 (#)	2.315	0.001	5.18
		N3994/N4060	40x60x1.5 (#)	2.315	0.001	5.18
		N3995/N4061	40x60x1.5 (#)	2.315	0.001	5.18
		N3996/N4063	40x60x1.5 (#)	2.315	0.001	5.18
		N3997/N4064	40x60x1.5 (#)	2.315	0.001	5.18
		N3998/N4065	40x60x1.5 (#)	2.315	0.001	5.18
		N3999/N4067	40x60x1.5 (#)	2.315	0.001	5.18
		N4060/N4112	40x60x1.5 (#)	2.315	0.001	5.18
		N4061/N4113	40x60x1.5 (#)	2.315	0.001	5.18
		N4063/N4115	40x60x1.5 (#)	2.315	0.001	5.18
		N4064/N4116	40x60x1.5 (#)	2.315	0.001	5.18
		N4065/N4117	40x60x1.5 (#)	2.315	0.001	5.18
		N4067/N4119	40x60x1.5 (#)	2.315	0.001	5.18
		N4239/N4164	40x60x1.5 (#)	2.315	0.001	5.18
		N4240/N4165	40x60x1.5 (#)	2.315	0.001	5.18
		N4241/N4167	40x60x1.5 (#)	2.315	0.001	5.18
		N4242/N4168	40x60x1.5 (#)	2.315	0.001	5.18
		N4243/N4169	40x60x1.5 (#)	2.315	0.001	5.18
		N4244/N4171	40x60x1.5 (#)	2.315	0.001	5.18
		N4164/N4245	40x60x1.5 (#)	2.315	0.001	5.18
		N4165/N4246	40x60x1.5 (#)	2.315	0.001	5.18
		N4167/N4247	40x60x1.5 (#)	2.315	0.001	5.18
		N4168/N4248	40x60x1.5 (#)	2.315	0.001	5.18
		N4169/N4249	40x60x1.5 (#)	2.315	0.001	5.18
		N4171/N4250	40x60x1.5 (#)	2.315	0.001	5.18
		N4173/N4251	40x60x1.5 (#)	2.315	0.001	5.18
		N4175/N4252	40x60x1.5 (#)	2.315	0.001	5.18
		N4177/N4253	40x60x1.5 (#)	2.315	0.001	5.18
		N4179/N4254	40x60x1.5 (#)	2.315	0.001	5.18
		N4176/N4255	40x60x1.5 (#)	2.315	0.001	5.18
		N4256/N4173	40x60x1.5 (#)	2.315	0.001	5.18
		N4257/N4175	40x60x1.5 (#)	2.315	0.001	5.18
		N4258/N4177	40x60x1.5 (#)	2.315	0.001	5.18
		N4259/N4179	40x60x1.5 (#)	2.315	0.001	5.18
		N4260/N4176	40x60x1.5 (#)	2.315	0.001	5.18
		N4069/N4121	40x60x1.5 (#)	2.315	0.001	5.18
		N4071/N4123	40x60x1.5 (#)	2.315	0.001	5.18
		N4073/N4125	40x60x1.5 (#)	2.315	0.001	5.18
		N4075/N4127	40x60x1.5 (#)	2.315	0.001	5.18
		N4072/N4124	40x60x1.5 (#)	2.315	0.001	5.18
		N4001/N4069	40x60x1.5 (#)	2.315	0.001	5.18
		N4002/N4071	40x60x1.5 (#)	2.315	0.001	5.18
		N4004/N4073	40x60x1.5 (#)	2.315	0.001	5.18
		N4005/N4075	40x60x1.5 (#)	2.315	0.001	5.18
		N4003/N4072	40x60x1.5 (#)	2.315	0.001	5.18
		N4009/N4080	40x60x1.5 (#)	2.315	0.001	5.18
		N4010/N4081	40x60x1.5 (#)	2.315	0.001	5.18
		N4011/N4083	40x60x1.5 (#)	2.315	0.001	5.18
		N4008/N4079	40x60x1.5 (#)	2.315	0.001	5.18
		N4007/N4077	40x60x1.5 (#)	2.315	0.001	5.18
		N4080/N4132	40x60x1.5 (#)	2.315	0.001	5.18
		N4081/N4133	40x60x1.5 (#)	2.315	0.001	5.18
		N4083/N4135	40x60x1.5 (#)	2.315	0.001	5.18
		N4079/N4131	40x60x1.5 (#)	2.315	0.001	5.18
		N4077/N4129	40x60x1.5 (#)	2.315	0.001	5.18
		N4261/N4184	40x60x1.5 (#)	2.315	0.001	5.18
		N4262/N4185	40x60x1.5 (#)	2.315	0.001	5.18
		N4263/N4187	40x60x1.5 (#)	2.315	0.001	5.18
		N4264/N4183	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4265/N4181	40x60x1.5 (#)	2.315	0.001	5.18
		N4184/N4266	40x60x1.5 (#)	2.315	0.001	5.18
		N4187/N4267	40x60x1.5 (#)	2.315	0.001	5.18
		N4185/N4268	40x60x1.5 (#)	2.315	0.001	5.18
		N4181/N4269	40x60x1.5 (#)	2.315	0.001	5.18
		N4183/N4270	40x60x1.5 (#)	2.315	0.001	5.18
		N4086/N4271	40x60x1.5 (#)	2.315	0.001	5.18
		N4087/N4272	40x60x1.5 (#)	2.315	0.001	5.18
		N4088/N4273	40x60x1.5 (#)	2.315	0.001	5.18
		N4090/N4274	40x60x1.5 (#)	2.315	0.001	5.18
		N4091/N4275	40x60x1.5 (#)	2.315	0.001	5.18
		N4092/N4276	40x60x1.5 (#)	2.315	0.001	5.18
		N4095/N4277	40x60x1.5 (#)	2.315	0.001	5.18
		N4096/N4278	40x60x1.5 (#)	2.315	0.001	5.18
		N4099/N4279	40x60x1.5 (#)	2.315	0.001	5.18
		N4100/N4280	40x60x1.5 (#)	2.315	0.001	5.18
		N4098/N4281	40x60x1.5 (#)	2.315	0.001	5.18
		N4106/N4282	40x60x1.5 (#)	2.315	0.001	5.18
		N4107/N4283	40x60x1.5 (#)	2.315	0.001	5.18
		N4108/N4284	40x60x1.5 (#)	2.315	0.001	5.18
		N4104/N4285	40x60x1.5 (#)	2.315	0.001	5.18
		N4103/N4286	40x60x1.5 (#)	2.315	0.001	5.18
		N4112/N4287	40x60x1.5 (#)	2.315	0.001	5.18
		N4113/N4288	40x60x1.5 (#)	2.315	0.001	5.18
		N4115/N4289	40x60x1.5 (#)	2.315	0.001	5.18
		N4116/N4290	40x60x1.5 (#)	2.315	0.001	5.18
		N4117/N4291	40x60x1.5 (#)	2.315	0.001	5.18
		N4119/N4292	40x60x1.5 (#)	2.315	0.001	5.18
		N4121/N4293	40x60x1.5 (#)	2.315	0.001	5.18
		N4123/N4294	40x60x1.5 (#)	2.315	0.001	5.18
		N4125/N4295	40x60x1.5 (#)	2.315	0.001	5.18
		N4127/N4296	40x60x1.5 (#)	2.315	0.001	5.18
		N4124/N4297	40x60x1.5 (#)	2.315	0.001	5.18
		N4132/N4298	40x60x1.5 (#)	2.315	0.001	5.18
		N4133/N4299	40x60x1.5 (#)	2.315	0.001	5.18
		N4135/N4300	40x60x1.5 (#)	2.315	0.001	5.18
		N4131/N4301	40x60x1.5 (#)	2.315	0.001	5.18
		N4129/N4302	40x60x1.5 (#)	2.315	0.001	5.18
		N4303/N4189	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4189/N4196	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4196/N4205	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4310/N4190	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4190/N4197	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4197/N4206	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4317/N4192	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4192/N4195	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4195/N4202	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4324/N4191	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4191/N4198	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4198/N4201	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4331/N4194	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4194/N4199	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4199/N4203	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4338/N4193	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4193/N4200	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4200/N4204	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4128/N4197	40x80x2 (#)	2.315	0.001	8.24
		N4102/N4196	40x80x2 (#)	2.315	0.001	8.24
		N4014/N3994	CF-60x2.0 (C)	0.725	0.000	1.77
		N4014/N3996	CF-60x2.0 (C)	1.140	0.000	2.79
		N3996/N4017	CF-60x2.0 (C)	0.848	0.000	2.08
		N4017/N3999	CF-60x2.0 (C)	1.140	0.000	2.79
		N3999/N4020	CF-60x2.0 (C)	0.886	0.000	2.17
		N3662/N3642	CF-60x2.0 (C)	0.725	0.000	1.77
		N3662/N3644	CF-60x2.0 (C)	1.140	0.000	2.79
		N3644/N3665	CF-60x2.0 (C)	0.848	0.000	2.08
		N3665/N3647	CF-60x2.0 (C)	1.140	0.000	2.79
		N3647/N3668	CF-60x2.0 (C)	0.886	0.000	2.17
		N4020/N4002	CF-60x2.0 (C)	1.140	0.000	2.79
		N4002/N4023	CF-60x2.0 (C)	0.853	0.000	2.09
		N4023/N4005	CF-60x2.0 (C)	1.140	0.000	2.79
		N4005/N4026	CF-60x2.0 (C)	0.853	0.000	2.09
		N4026/N4008	CF-60x2.0 (C)	1.140	0.000	2.79
		N4008/N4029	CF-60x2.0 (C)	0.853	0.000	2.09
		N4029/N4011	CF-60x2.0 (C)	1.140	0.000	2.79
		N4011/N4032	CF-60x2.0 (C)	0.853	0.000	2.09
		N3668/N3650	CF-60x2.0 (C)	1.140	0.000	2.79
		N3650/N3671	CF-60x2.0 (C)	0.853	0.000	2.09
		N3671/N3653	CF-60x2.0 (C)	1.140	0.000	2.79
		N3653/N3674	CF-60x2.0 (C)	0.853	0.000	2.09
		N3674/N3656	CF-60x2.0 (C)	1.140	0.000	2.79
		N3656/N3677	CF-60x2.0 (C)	0.853	0.000	2.09
		N3677/N3659	CF-60x2.0 (C)	1.140	0.000	2.79
		N3659/N3680	CF-60x2.0 (C)	0.853	0.000	2.09
		N4345/N4352	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4352/N4358	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4358/N4364	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4365/N4372	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4372/N4378	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4378/N4384	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4385/N4394	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4394/N4402	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4402/N4410	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4411/N4420	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4420/N4428	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4428/N4436	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4437/N4446	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4446/N4454	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4454/N4462	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4463/N4472	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4472/N4480	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4480/N4488	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4489/N4498	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4498/N4506	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4506/N4514	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4515/N4524	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4524/N4532	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4532/N4540	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4372/N4352	40x80x2 (#)	0.725	0.000	2.58
		N4372/N4394	40x80x2 (#)	2.315	0.001	8.24
		N4394/N4420	40x80x2 (#)	0.725	0.000	2.58
		N4352/N4420	40x80x2 (#)	2.315	0.001	8.24
		N4394/N4446	40x80x2 (#)	2.315	0.001	8.24
		N4446/N4472	40x80x2 (#)	0.725	0.000	2.58
		N4420/N4472	40x80x2 (#)	2.315	0.001	8.24
		N4541/N4542	40x80x2 (#)	0.725	0.000	2.58
		N4542/N4543	40x80x2 (#)	1.575	0.001	5.61
		N4544/N4543	40x80x2 (#)	0.725	0.000	2.58
		N4541/N4544	40x80x2 (#)	1.575	0.001	5.61
		N4543/N4524	40x80x2 (#)	2.315	0.001	8.24
		N4498/N4524	40x80x2 (#)	0.725	0.000	2.58
		N4544/N4498	40x80x2 (#)	2.315	0.001	8.24
		N4524/N4545	40x80x2 (#)	2.315	0.001	8.24
		N4546/N4545	40x80x2 (#)	0.725	0.000	2.58
		N4498/N4546	40x80x2 (#)	2.315	0.001	8.24
		N4378/N4358	40x80x2 (#)	0.725	0.000	2.58
		N4358/N4428	40x80x2 (#)	2.315	0.001	8.24
		N4378/N4402	40x80x2 (#)	2.315	0.001	8.24
		N4402/N4428	40x80x2 (#)	0.725	0.000	2.58
		N4402/N4454	40x80x2 (#)	2.315	0.001	8.24
		N4428/N4480	40x80x2 (#)	2.315	0.001	8.24
		N4454/N4480	40x80x2 (#)	0.725	0.000	2.58
		N4548/N4547	40x80x2 (#)	1.575	0.001	5.61
		N4549/N4550	40x80x2 (#)	1.575	0.001	5.61
		N4547/N4550	40x80x2 (#)	0.725	0.000	2.58
		N4550/N4532	40x80x2 (#)	2.315	0.001	8.24
		N4506/N4532	40x80x2 (#)	0.725	0.000	2.58
		N4547/N4506	40x80x2 (#)	2.315	0.001	8.24
		N4506/N4551	40x80x2 (#)	2.315	0.001	8.24
		N4532/N4552	40x80x2 (#)	2.315	0.001	8.24
		N4551/N4552	40x80x2 (#)	0.725	0.000	2.58
		N4548/N4549	40x80x2 (#)	0.725	0.000	2.58
		N4384/N4364	40x80x2 (#)	0.725	0.000	2.58
		N4410/N4436	40x80x2 (#)	0.725	0.000	2.58
		N4462/N4488	40x80x2 (#)	0.725	0.000	2.58
		N4554/N4553	40x80x2 (#)	0.725	0.000	2.58
		N4514/N4540	40x80x2 (#)	0.725	0.000	2.58
		N4555/N4556	40x80x2 (#)	0.725	0.000	2.58
		N4557/N4558	40x80x2 (#)	0.725	0.000	2.58
		N4352/N4020	40x80x2 (#)	1.075	0.000	3.83
		N4420/N4042	40x80x2 (#)	1.075	0.000	3.83
		N4472/N4094	40x80x2 (#)	1.075	0.000	3.83
		N4542/N4189	40x80x2 (#)	1.075	0.000	3.83
		N4543/N4192	40x80x2 (#)	1.075	0.000	3.83
		N4524/N4146	40x80x2 (#)	1.075	0.000	3.83
		N4545/N4194	40x80x2 (#)	1.075	0.000	3.83
		N4358/N4026	40x80x2 (#)	1.075	0.000	3.83
		N4428/N4050	40x80x2 (#)	1.075	0.000	3.83
		N4480/N4102	40x80x2 (#)	1.075	0.000	3.83
		N4549/N4196	40x80x2 (#)	1.075	0.000	3.83
		N4550/N4195	40x80x2 (#)	1.075	0.000	3.83
		N4532/N4154	40x80x2 (#)	1.075	0.000	3.83
		N4552/N4199	40x80x2 (#)	1.075	0.000	3.83
		N4364/N4032	40x80x2 (#)	1.075	0.000	3.83
		N4436/N4058	40x80x2 (#)	1.075	0.000	3.83
		N4488/N4110	40x80x2 (#)	1.075	0.000	3.83
		N4558/N4205	40x80x2 (#)	1.075	0.000	3.83
		N4553/N4202	40x80x2 (#)	1.075	0.000	3.83
		N4540/N4162	40x80x2 (#)	1.075	0.000	3.83
		N4556/N4203	40x80x2 (#)	1.075	0.000	3.83
		N4446/N4541	40x80x2 (#)	2.315	0.001	8.24
		N4472/N4542	40x80x2 (#)	2.315	0.001	8.24
		N4366/N4386	40x60x1.5 (#)	2.315	0.001	5.18
		N4367/N4387	40x60x1.5 (#)	2.315	0.001	5.18
		N4368/N4388	40x60x1.5 (#)	2.315	0.001	5.18
		N4369/N4390	40x60x1.5 (#)	2.315	0.001	5.18
		N4370/N4391	40x60x1.5 (#)	2.315	0.001	5.18
		N4371/N4392	40x60x1.5 (#)	2.315	0.001	5.18
		N4386/N4438	40x60x1.5 (#)	2.315	0.001	5.18
		N4387/N4439	40x60x1.5 (#)	2.315	0.001	5.18
		N4388/N4440	40x60x1.5 (#)	2.315	0.001	5.18
		N4390/N4442	40x60x1.5 (#)	2.315	0.001	5.18
		N4391/N4443	40x60x1.5 (#)	2.315	0.001	5.18
		N4392/N4444	40x60x1.5 (#)	2.315	0.001	5.18
		N4559/N4490	40x60x1.5 (#)	2.315	0.001	5.18
		N4560/N4491	40x60x1.5 (#)	2.315	0.001	5.18
		N4561/N4492	40x60x1.5 (#)	2.315	0.001	5.18
		N4562/N4494	40x60x1.5 (#)	2.315	0.001	5.18
		N4563/N4495	40x60x1.5 (#)	2.315	0.001	5.18
		N4564/N4496	40x60x1.5 (#)	2.315	0.001	5.18
		N4490/N4565	40x60x1.5 (#)	2.315	0.001	5.18
		N4491/N4566	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4492/N4567	40x60x1.5 (#)	2.315	0.001	5.18
		N4494/N4568	40x60x1.5 (#)	2.315	0.001	5.18
		N4495/N4569	40x60x1.5 (#)	2.315	0.001	5.18
		N4496/N4570	40x60x1.5 (#)	2.315	0.001	5.18
		N4499/N4571	40x60x1.5 (#)	2.315	0.001	5.18
		N4500/N4572	40x60x1.5 (#)	2.315	0.001	5.18
		N4503/N4573	40x60x1.5 (#)	2.315	0.001	5.18
		N4504/N4574	40x60x1.5 (#)	2.315	0.001	5.18
		N4502/N4575	40x60x1.5 (#)	2.315	0.001	5.18
		N4576/N4499	40x60x1.5 (#)	2.315	0.001	5.18
		N4577/N4500	40x60x1.5 (#)	2.315	0.001	5.18
		N4578/N4503	40x60x1.5 (#)	2.315	0.001	5.18
		N4579/N4504	40x60x1.5 (#)	2.315	0.001	5.18
		N4580/N4502	40x60x1.5 (#)	2.315	0.001	5.18
		N4395/N4447	40x60x1.5 (#)	2.315	0.001	5.18
		N4396/N4448	40x60x1.5 (#)	2.315	0.001	5.18
		N4399/N4451	40x60x1.5 (#)	2.315	0.001	5.18
		N4400/N4452	40x60x1.5 (#)	2.315	0.001	5.18
		N4398/N4450	40x60x1.5 (#)	2.315	0.001	5.18
		N4373/N4395	40x60x1.5 (#)	2.315	0.001	5.18
		N4374/N4396	40x60x1.5 (#)	2.315	0.001	5.18
		N4376/N4399	40x60x1.5 (#)	2.315	0.001	5.18
		N4377/N4400	40x60x1.5 (#)	2.315	0.001	5.18
		N4375/N4398	40x60x1.5 (#)	2.315	0.001	5.18
		N4381/N4406	40x60x1.5 (#)	2.315	0.001	5.18
		N4382/N4407	40x60x1.5 (#)	2.315	0.001	5.18
		N4383/N4408	40x60x1.5 (#)	2.315	0.001	5.18
		N4380/N4404	40x60x1.5 (#)	2.315	0.001	5.18
		N4379/N4403	40x60x1.5 (#)	2.315	0.001	5.18
		N4406/N4458	40x60x1.5 (#)	2.315	0.001	5.18
		N4407/N4459	40x60x1.5 (#)	2.315	0.001	5.18
		N4408/N4460	40x60x1.5 (#)	2.315	0.001	5.18
		N4404/N4456	40x60x1.5 (#)	2.315	0.001	5.18
		N4403/N4455	40x60x1.5 (#)	2.315	0.001	5.18
		N4581/N4510	40x60x1.5 (#)	2.315	0.001	5.18
		N4582/N4511	40x60x1.5 (#)	2.315	0.001	5.18
		N4583/N4512	40x60x1.5 (#)	2.315	0.001	5.18
		N4584/N4508	40x60x1.5 (#)	2.315	0.001	5.18
		N4585/N4507	40x60x1.5 (#)	2.315	0.001	5.18
		N4510/N4586	40x60x1.5 (#)	2.315	0.001	5.18
		N4512/N4587	40x60x1.5 (#)	2.315	0.001	5.18
		N4511/N4588	40x60x1.5 (#)	2.315	0.001	5.18
		N4507/N4589	40x60x1.5 (#)	2.315	0.001	5.18
		N4508/N4590	40x60x1.5 (#)	2.315	0.001	5.18
		N4346/N4412	40x60x1.5 (#)	2.315	0.001	5.18
		N4347/N4413	40x60x1.5 (#)	2.315	0.001	5.18
		N4348/N4415	40x60x1.5 (#)	2.315	0.001	5.18
		N4349/N4416	40x60x1.5 (#)	2.315	0.001	5.18
		N4350/N4417	40x60x1.5 (#)	2.315	0.001	5.18
		N4351/N4419	40x60x1.5 (#)	2.315	0.001	5.18
		N4412/N4464	40x60x1.5 (#)	2.315	0.001	5.18
		N4413/N4465	40x60x1.5 (#)	2.315	0.001	5.18
		N4415/N4467	40x60x1.5 (#)	2.315	0.001	5.18
		N4416/N4468	40x60x1.5 (#)	2.315	0.001	5.18
		N4417/N4469	40x60x1.5 (#)	2.315	0.001	5.18
		N4419/N4471	40x60x1.5 (#)	2.315	0.001	5.18
		N4591/N4516	40x60x1.5 (#)	2.315	0.001	5.18
		N4592/N4517	40x60x1.5 (#)	2.315	0.001	5.18
		N4593/N4519	40x60x1.5 (#)	2.315	0.001	5.18
		N4594/N4520	40x60x1.5 (#)	2.315	0.001	5.18
		N4595/N4521	40x60x1.5 (#)	2.315	0.001	5.18
		N4596/N4523	40x60x1.5 (#)	2.315	0.001	5.18
		N4516/N4597	40x60x1.5 (#)	2.315	0.001	5.18
		N4517/N4598	40x60x1.5 (#)	2.315	0.001	5.18
		N4519/N4599	40x60x1.5 (#)	2.315	0.001	5.18
		N4520/N4600	40x60x1.5 (#)	2.315	0.001	5.18
		N4521/N4601	40x60x1.5 (#)	2.315	0.001	5.18
		N4523/N4602	40x60x1.5 (#)	2.315	0.001	5.18
		N4525/N4603	40x60x1.5 (#)	2.315	0.001	5.18
		N4527/N4604	40x60x1.5 (#)	2.315	0.001	5.18
		N4529/N4605	40x60x1.5 (#)	2.315	0.001	5.18
		N4531/N4606	40x60x1.5 (#)	2.315	0.001	5.18
		N4528/N4607	40x60x1.5 (#)	2.315	0.001	5.18
		N4608/N4525	40x60x1.5 (#)	2.315	0.001	5.18
		N4609/N4527	40x60x1.5 (#)	2.315	0.001	5.18
		N4610/N4529	40x60x1.5 (#)	2.315	0.001	5.18
		N4611/N4531	40x60x1.5 (#)	2.315	0.001	5.18
		N4612/N4528	40x60x1.5 (#)	2.315	0.001	5.18
		N4421/N4473	40x60x1.5 (#)	2.315	0.001	5.18
		N4423/N4475	40x60x1.5 (#)	2.315	0.001	5.18
		N4425/N4477	40x60x1.5 (#)	2.315	0.001	5.18
		N4427/N4479	40x60x1.5 (#)	2.315	0.001	5.18
		N4424/N4476	40x60x1.5 (#)	2.315	0.001	5.18
		N4353/N4421	40x60x1.5 (#)	2.315	0.001	5.18
		N4354/N4423	40x60x1.5 (#)	2.315	0.001	5.18
		N4356/N4425	40x60x1.5 (#)	2.315	0.001	5.18
		N4357/N4427	40x60x1.5 (#)	2.315	0.001	5.18
		N4355/N4424	40x60x1.5 (#)	2.315	0.001	5.18
		N4361/N4432	40x60x1.5 (#)	2.315	0.001	5.18
		N4362/N4433	40x60x1.5 (#)	2.315	0.001	5.18
		N4363/N4435	40x60x1.5 (#)	2.315	0.001	5.18
		N4360/N4431	40x60x1.5 (#)	2.315	0.001	5.18
		N4359/N4429	40x60x1.5 (#)	2.315	0.001	5.18
		N4432/N4484	40x60x1.5 (#)	2.315	0.001	5.18
		N4433/N4485	40x60x1.5 (#)	2.315	0.001	5.18
		N4435/N4487	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4431/N4483	40x60x1.5 (#)	2.315	0.001	5.18
		N4429/N4481	40x60x1.5 (#)	2.315	0.001	5.18
		N4613/N4536	40x60x1.5 (#)	2.315	0.001	5.18
		N4614/N4537	40x60x1.5 (#)	2.315	0.001	5.18
		N4615/N4539	40x60x1.5 (#)	2.315	0.001	5.18
		N4616/N4535	40x60x1.5 (#)	2.315	0.001	5.18
		N4617/N4533	40x60x1.5 (#)	2.315	0.001	5.18
		N4536/N4618	40x60x1.5 (#)	2.315	0.001	5.18
		N4539/N4619	40x60x1.5 (#)	2.315	0.001	5.18
		N4537/N4620	40x60x1.5 (#)	2.315	0.001	5.18
		N4533/N4621	40x60x1.5 (#)	2.315	0.001	5.18
		N4535/N4622	40x60x1.5 (#)	2.315	0.001	5.18
		N4438/N4623	40x60x1.5 (#)	2.315	0.001	5.18
		N4439/N4624	40x60x1.5 (#)	2.315	0.001	5.18
		N4440/N4625	40x60x1.5 (#)	2.315	0.001	5.18
		N4442/N4626	40x60x1.5 (#)	2.315	0.001	5.18
		N4443/N4627	40x60x1.5 (#)	2.315	0.001	5.18
		N4444/N4628	40x60x1.5 (#)	2.315	0.001	5.18
		N4447/N4629	40x60x1.5 (#)	2.315	0.001	5.18
		N4448/N4630	40x60x1.5 (#)	2.315	0.001	5.18
		N4451/N4631	40x60x1.5 (#)	2.315	0.001	5.18
		N4452/N4632	40x60x1.5 (#)	2.315	0.001	5.18
		N4450/N4633	40x60x1.5 (#)	2.315	0.001	5.18
		N4458/N4634	40x60x1.5 (#)	2.315	0.001	5.18
		N4459/N4635	40x60x1.5 (#)	2.315	0.001	5.18
		N4460/N4636	40x60x1.5 (#)	2.315	0.001	5.18
		N4456/N4637	40x60x1.5 (#)	2.315	0.001	5.18
		N4455/N4638	40x60x1.5 (#)	2.315	0.001	5.18
		N4464/N4639	40x60x1.5 (#)	2.315	0.001	5.18
		N4465/N4640	40x60x1.5 (#)	2.315	0.001	5.18
		N4467/N4641	40x60x1.5 (#)	2.315	0.001	5.18
		N4468/N4642	40x60x1.5 (#)	2.315	0.001	5.18
		N4469/N4643	40x60x1.5 (#)	2.315	0.001	5.18
		N4471/N4644	40x60x1.5 (#)	2.315	0.001	5.18
		N4473/N4645	40x60x1.5 (#)	2.315	0.001	5.18
		N4475/N4646	40x60x1.5 (#)	2.315	0.001	5.18
		N4477/N4647	40x60x1.5 (#)	2.315	0.001	5.18
		N4479/N4648	40x60x1.5 (#)	2.315	0.001	5.18
		N4476/N4649	40x60x1.5 (#)	2.315	0.001	5.18
		N4484/N4650	40x60x1.5 (#)	2.315	0.001	5.18
		N4485/N4651	40x60x1.5 (#)	2.315	0.001	5.18
		N4487/N4652	40x60x1.5 (#)	2.315	0.001	5.18
		N4483/N4653	40x60x1.5 (#)	2.315	0.001	5.18
		N4481/N4654	40x60x1.5 (#)	2.315	0.001	5.18
		N4655/N4541	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4541/N4548	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4548/N4557	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4662/N4542	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4542/N4549	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4549/N4558	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4669/N4544	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4544/N4547	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4547/N4554	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4676/N4543	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4543/N4550	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4550/N4553	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4683/N4546	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4546/N4551	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4551/N4555	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4690/N4545	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4545/N4552	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4552/N4556	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4480/N4549	40x80x2 (#)	2.315	0.001	8.24
		N4454/N4548	40x80x2 (#)	2.315	0.001	8.24
		N4697/N4704	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4704/N4710	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4710/N4716	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4717/N4724	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4724/N4730	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4730/N4736	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4737/N4746	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4746/N4754	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4754/N4762	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4763/N4772	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4772/N4780	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4780/N4788	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4789/N4798	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4798/N4806	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4806/N4814	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4815/N4824	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4824/N4832	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4832/N4840	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4841/N4850	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4850/N4858	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4858/N4866	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4867/N4876	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4876/N4884	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4884/N4892	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4724/N4704	40x80x2 (#)	0.725	0.000	2.58
		N4724/N4746	40x80x2 (#)	2.315	0.001	8.24
		N4746/N4772	40x80x2 (#)	0.725	0.000	2.58
		N4704/N4772	40x80x2 (#)	2.315	0.001	8.24
		N4746/N4798	40x80x2 (#)	2.315	0.001	8.24
		N4798/N4824	40x80x2 (#)	0.725	0.000	2.58
		N4772/N4824	40x80x2 (#)	2.315	0.001	8.24
		N4893/N4894	40x80x2 (#)	0.725	0.000	2.58

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4894/N4895	40x80x2 (#)	1.575	0.001	5.61
		N4896/N4895	40x80x2 (#)	0.725	0.000	2.58
		N4893/N4896	40x80x2 (#)	1.575	0.001	5.61
		N4895/N4876	40x80x2 (#)	2.315	0.001	8.24
		N4850/N4876	40x80x2 (#)	0.725	0.000	2.58
		N4896/N4850	40x80x2 (#)	2.315	0.001	8.24
		N4876/N4897	40x80x2 (#)	2.315	0.001	8.24
		N4898/N4897	40x80x2 (#)	0.725	0.000	2.58
		N4850/N4898	40x80x2 (#)	2.315	0.001	8.24
		N4730/N4710	40x80x2 (#)	0.725	0.000	2.58
		N4710/N4780	40x80x2 (#)	2.315	0.001	8.24
		N4730/N4754	40x80x2 (#)	2.315	0.001	8.24
		N4754/N4780	40x80x2 (#)	0.725	0.000	2.58
		N4754/N4806	40x80x2 (#)	2.315	0.001	8.24
		N4780/N4832	40x80x2 (#)	2.315	0.001	8.24
		N4806/N4832	40x80x2 (#)	0.725	0.000	2.58
		N4900/N4899	40x80x2 (#)	1.575	0.001	5.61
		N4901/N4902	40x80x2 (#)	1.575	0.001	5.61
		N4899/N4902	40x80x2 (#)	0.725	0.000	2.58
		N4902/N4884	40x80x2 (#)	2.315	0.001	8.24
		N4858/N4884	40x80x2 (#)	0.725	0.000	2.58
		N4899/N4858	40x80x2 (#)	2.315	0.001	8.24
		N4858/N4903	40x80x2 (#)	2.315	0.001	8.24
		N4884/N4904	40x80x2 (#)	2.315	0.001	8.24
		N4903/N4904	40x80x2 (#)	0.725	0.000	2.58
		N4900/N4901	40x80x2 (#)	0.725	0.000	2.58
		N4736/N4716	40x80x2 (#)	0.725	0.000	2.58
		N4762/N4788	40x80x2 (#)	0.725	0.000	2.58
		N4814/N4840	40x80x2 (#)	0.725	0.000	2.58
		N4906/N4905	40x80x2 (#)	0.725	0.000	2.58
		N4866/N4892	40x80x2 (#)	0.725	0.000	2.58
		N4907/N4908	40x80x2 (#)	0.725	0.000	2.58
		N4909/N4910	40x80x2 (#)	0.725	0.000	2.58
		N4704/N4372	40x80x2 (#)	1.075	0.000	3.83
		N4772/N4394	40x80x2 (#)	1.075	0.000	3.83
		N4824/N4446	40x80x2 (#)	1.075	0.000	3.83
		N4894/N4541	40x80x2 (#)	1.075	0.000	3.83
		N4895/N4544	40x80x2 (#)	1.075	0.000	3.83
		N4876/N4498	40x80x2 (#)	1.075	0.000	3.83
		N4897/N4546	40x80x2 (#)	1.075	0.000	3.83
		N4710/N4378	40x80x2 (#)	1.075	0.000	3.83
		N4780/N4402	40x80x2 (#)	1.075	0.000	3.83
		N4832/N4454	40x80x2 (#)	1.075	0.000	3.83
		N4901/N4548	40x80x2 (#)	1.075	0.000	3.83
		N4902/N4547	40x80x2 (#)	1.075	0.000	3.83
		N4884/N4506	40x80x2 (#)	1.075	0.000	3.83
		N4904/N4551	40x80x2 (#)	1.075	0.000	3.83
		N4716/N4384	40x80x2 (#)	1.075	0.000	3.83
		N4788/N4410	40x80x2 (#)	1.075	0.000	3.83
		N4840/N4462	40x80x2 (#)	1.075	0.000	3.83
		N4910/N4557	40x80x2 (#)	1.075	0.000	3.83
		N4905/N4554	40x80x2 (#)	1.075	0.000	3.83
		N4892/N4514	40x80x2 (#)	1.075	0.000	3.83
		N4908/N4555	40x80x2 (#)	1.075	0.000	3.83
		N4798/N4893	40x80x2 (#)	2.315	0.001	8.24
		N4824/N4894	40x80x2 (#)	2.315	0.001	8.24
		N4718/N4738	40x60x1.5 (#)	2.315	0.001	5.18
		N4719/N4739	40x60x1.5 (#)	2.315	0.001	5.18
		N4720/N4740	40x60x1.5 (#)	2.315	0.001	5.18
		N4721/N4742	40x60x1.5 (#)	2.315	0.001	5.18
		N4722/N4743	40x60x1.5 (#)	2.315	0.001	5.18
		N4723/N4744	40x60x1.5 (#)	2.315	0.001	5.18
		N4738/N4790	40x60x1.5 (#)	2.315	0.001	5.18
		N4739/N4791	40x60x1.5 (#)	2.315	0.001	5.18
		N4740/N4792	40x60x1.5 (#)	2.315	0.001	5.18
		N4742/N4794	40x60x1.5 (#)	2.315	0.001	5.18
		N4743/N4795	40x60x1.5 (#)	2.315	0.001	5.18
		N4744/N4796	40x60x1.5 (#)	2.315	0.001	5.18
		N4911/N4842	40x60x1.5 (#)	2.315	0.001	5.18
		N4912/N4843	40x60x1.5 (#)	2.315	0.001	5.18
		N4913/N4844	40x60x1.5 (#)	2.315	0.001	5.18
		N4914/N4846	40x60x1.5 (#)	2.315	0.001	5.18
		N4915/N4847	40x60x1.5 (#)	2.315	0.001	5.18
		N4916/N4848	40x60x1.5 (#)	2.315	0.001	5.18
		N4842/N4917	40x60x1.5 (#)	2.315	0.001	5.18
		N4843/N4918	40x60x1.5 (#)	2.315	0.001	5.18
		N4844/N4919	40x60x1.5 (#)	2.315	0.001	5.18
		N4846/N4920	40x60x1.5 (#)	2.315	0.001	5.18
		N4847/N4921	40x60x1.5 (#)	2.315	0.001	5.18
		N4848/N4922	40x60x1.5 (#)	2.315	0.001	5.18
		N4851/N4923	40x60x1.5 (#)	2.315	0.001	5.18
		N4852/N4924	40x60x1.5 (#)	2.315	0.001	5.18
		N4855/N4925	40x60x1.5 (#)	2.315	0.001	5.18
		N4856/N4926	40x60x1.5 (#)	2.315	0.001	5.18
		N4854/N4927	40x60x1.5 (#)	2.315	0.001	5.18
		N4928/N4851	40x60x1.5 (#)	2.315	0.001	5.18
		N4929/N4852	40x60x1.5 (#)	2.315	0.001	5.18
		N4930/N4855	40x60x1.5 (#)	2.315	0.001	5.18
		N4931/N4856	40x60x1.5 (#)	2.315	0.001	5.18
		N4932/N4854	40x60x1.5 (#)	2.315	0.001	5.18
		N4747/N4799	40x60x1.5 (#)	2.315	0.001	5.18
		N4748/N4800	40x60x1.5 (#)	2.315	0.001	5.18
		N4751/N4803	40x60x1.5 (#)	2.315	0.001	5.18
		N4752/N4804	40x60x1.5 (#)	2.315	0.001	5.18
		N4750/N4802	40x60x1.5 (#)	2.315	0.001	5.18
		N4725/N4747	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4726/N4748	40x60x1.5 (#)	2.315	0.001	5.18
		N4728/N4751	40x60x1.5 (#)	2.315	0.001	5.18
		N4729/N4752	40x60x1.5 (#)	2.315	0.001	5.18
		N4727/N4750	40x60x1.5 (#)	2.315	0.001	5.18
		N4733/N4758	40x60x1.5 (#)	2.315	0.001	5.18
		N4734/N4759	40x60x1.5 (#)	2.315	0.001	5.18
		N4735/N4760	40x60x1.5 (#)	2.315	0.001	5.18
		N4732/N4756	40x60x1.5 (#)	2.315	0.001	5.18
		N4731/N4755	40x60x1.5 (#)	2.315	0.001	5.18
		N4758/N4810	40x60x1.5 (#)	2.315	0.001	5.18
		N4759/N4811	40x60x1.5 (#)	2.315	0.001	5.18
		N4760/N4812	40x60x1.5 (#)	2.315	0.001	5.18
		N4756/N4808	40x60x1.5 (#)	2.315	0.001	5.18
		N4755/N4807	40x60x1.5 (#)	2.315	0.001	5.18
		N4933/N4862	40x60x1.5 (#)	2.315	0.001	5.18
		N4934/N4863	40x60x1.5 (#)	2.315	0.001	5.18
		N4935/N4864	40x60x1.5 (#)	2.315	0.001	5.18
		N4936/N4860	40x60x1.5 (#)	2.315	0.001	5.18
		N4937/N4859	40x60x1.5 (#)	2.315	0.001	5.18
		N4862/N4938	40x60x1.5 (#)	2.315	0.001	5.18
		N4864/N4939	40x60x1.5 (#)	2.315	0.001	5.18
		N4863/N4940	40x60x1.5 (#)	2.315	0.001	5.18
		N4859/N4941	40x60x1.5 (#)	2.315	0.001	5.18
		N4860/N4942	40x60x1.5 (#)	2.315	0.001	5.18
		N4698/N4764	40x60x1.5 (#)	2.315	0.001	5.18
		N4699/N4765	40x60x1.5 (#)	2.315	0.001	5.18
		N4700/N4767	40x60x1.5 (#)	2.315	0.001	5.18
		N4701/N4768	40x60x1.5 (#)	2.315	0.001	5.18
		N4702/N4769	40x60x1.5 (#)	2.315	0.001	5.18
		N4703/N4771	40x60x1.5 (#)	2.315	0.001	5.18
		N4764/N4816	40x60x1.5 (#)	2.315	0.001	5.18
		N4765/N4817	40x60x1.5 (#)	2.315	0.001	5.18
		N4767/N4819	40x60x1.5 (#)	2.315	0.001	5.18
		N4768/N4820	40x60x1.5 (#)	2.315	0.001	5.18
		N4769/N4821	40x60x1.5 (#)	2.315	0.001	5.18
		N4771/N4823	40x60x1.5 (#)	2.315	0.001	5.18
		N4943/N4868	40x60x1.5 (#)	2.315	0.001	5.18
		N4944/N4869	40x60x1.5 (#)	2.315	0.001	5.18
		N4945/N4871	40x60x1.5 (#)	2.315	0.001	5.18
		N4946/N4872	40x60x1.5 (#)	2.315	0.001	5.18
		N4947/N4873	40x60x1.5 (#)	2.315	0.001	5.18
		N4948/N4875	40x60x1.5 (#)	2.315	0.001	5.18
		N4868/N4949	40x60x1.5 (#)	2.315	0.001	5.18
		N4869/N4950	40x60x1.5 (#)	2.315	0.001	5.18
		N4871/N4951	40x60x1.5 (#)	2.315	0.001	5.18
		N4872/N4952	40x60x1.5 (#)	2.315	0.001	5.18
		N4873/N4953	40x60x1.5 (#)	2.315	0.001	5.18
		N4875/N4954	40x60x1.5 (#)	2.315	0.001	5.18
		N4877/N4955	40x60x1.5 (#)	2.315	0.001	5.18
		N4879/N4956	40x60x1.5 (#)	2.315	0.001	5.18
		N4881/N4957	40x60x1.5 (#)	2.315	0.001	5.18
		N4883/N4958	40x60x1.5 (#)	2.315	0.001	5.18
		N4880/N4959	40x60x1.5 (#)	2.315	0.001	5.18
		N4960/N4877	40x60x1.5 (#)	2.315	0.001	5.18
		N4961/N4879	40x60x1.5 (#)	2.315	0.001	5.18
		N4962/N4881	40x60x1.5 (#)	2.315	0.001	5.18
		N4963/N4883	40x60x1.5 (#)	2.315	0.001	5.18
		N4964/N4880	40x60x1.5 (#)	2.315	0.001	5.18
		N4773/N4825	40x60x1.5 (#)	2.315	0.001	5.18
		N4775/N4827	40x60x1.5 (#)	2.315	0.001	5.18
		N4777/N4829	40x60x1.5 (#)	2.315	0.001	5.18
		N4779/N4831	40x60x1.5 (#)	2.315	0.001	5.18
		N4776/N4828	40x60x1.5 (#)	2.315	0.001	5.18
		N4705/N4773	40x60x1.5 (#)	2.315	0.001	5.18
		N4706/N4775	40x60x1.5 (#)	2.315	0.001	5.18
		N4708/N4777	40x60x1.5 (#)	2.315	0.001	5.18
		N4709/N4779	40x60x1.5 (#)	2.315	0.001	5.18
		N4707/N4776	40x60x1.5 (#)	2.315	0.001	5.18
		N4713/N4784	40x60x1.5 (#)	2.315	0.001	5.18
		N4714/N4785	40x60x1.5 (#)	2.315	0.001	5.18
		N4715/N4787	40x60x1.5 (#)	2.315	0.001	5.18
		N4712/N4783	40x60x1.5 (#)	2.315	0.001	5.18
		N4711/N4781	40x60x1.5 (#)	2.315	0.001	5.18
		N4784/N4836	40x60x1.5 (#)	2.315	0.001	5.18
		N4785/N4837	40x60x1.5 (#)	2.315	0.001	5.18
		N4787/N4839	40x60x1.5 (#)	2.315	0.001	5.18
		N4783/N4835	40x60x1.5 (#)	2.315	0.001	5.18
		N4781/N4833	40x60x1.5 (#)	2.315	0.001	5.18
		N4965/N4888	40x60x1.5 (#)	2.315	0.001	5.18
		N4966/N4889	40x60x1.5 (#)	2.315	0.001	5.18
		N4967/N4891	40x60x1.5 (#)	2.315	0.001	5.18
		N4968/N4887	40x60x1.5 (#)	2.315	0.001	5.18
		N4969/N4885	40x60x1.5 (#)	2.315	0.001	5.18
		N4888/N4970	40x60x1.5 (#)	2.315	0.001	5.18
		N4891/N4971	40x60x1.5 (#)	2.315	0.001	5.18
		N4889/N4972	40x60x1.5 (#)	2.315	0.001	5.18
		N4885/N4973	40x60x1.5 (#)	2.315	0.001	5.18
		N4887/N4974	40x60x1.5 (#)	2.315	0.001	5.18
		N4790/N4975	40x60x1.5 (#)	2.315	0.001	5.18
		N4791/N4976	40x60x1.5 (#)	2.315	0.001	5.18
		N4792/N4977	40x60x1.5 (#)	2.315	0.001	5.18
		N4794/N4978	40x60x1.5 (#)	2.315	0.001	5.18
		N4795/N4979	40x60x1.5 (#)	2.315	0.001	5.18
		N4796/N4980	40x60x1.5 (#)	2.315	0.001	5.18
		N4799/N4981	40x60x1.5 (#)	2.315	0.001	5.18
		N4800/N4982	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4803/N4983	40x60x1.5 (#)	2.315	0.001	5.18
		N4804/N4984	40x60x1.5 (#)	2.315	0.001	5.18
		N4802/N4985	40x60x1.5 (#)	2.315	0.001	5.18
		N4810/N4986	40x60x1.5 (#)	2.315	0.001	5.18
		N4811/N4987	40x60x1.5 (#)	2.315	0.001	5.18
		N4812/N4988	40x60x1.5 (#)	2.315	0.001	5.18
		N4808/N4989	40x60x1.5 (#)	2.315	0.001	5.18
		N4807/N4990	40x60x1.5 (#)	2.315	0.001	5.18
		N4816/N4991	40x60x1.5 (#)	2.315	0.001	5.18
		N4817/N4992	40x60x1.5 (#)	2.315	0.001	5.18
		N4819/N4993	40x60x1.5 (#)	2.315	0.001	5.18
		N4820/N4994	40x60x1.5 (#)	2.315	0.001	5.18
		N4821/N4995	40x60x1.5 (#)	2.315	0.001	5.18
		N4823/N4996	40x60x1.5 (#)	2.315	0.001	5.18
		N4825/N4997	40x60x1.5 (#)	2.315	0.001	5.18
		N4827/N4998	40x60x1.5 (#)	2.315	0.001	5.18
		N4829/N4999	40x60x1.5 (#)	2.315	0.001	5.18
		N4831/N5000	40x60x1.5 (#)	2.315	0.001	5.18
		N4828/N5001	40x60x1.5 (#)	2.315	0.001	5.18
		N4836/N5002	40x60x1.5 (#)	2.315	0.001	5.18
		N4837/N5003	40x60x1.5 (#)	2.315	0.001	5.18
		N4839/N5004	40x60x1.5 (#)	2.315	0.001	5.18
		N4835/N5005	40x60x1.5 (#)	2.315	0.001	5.18
		N4833/N5006	40x60x1.5 (#)	2.315	0.001	5.18
		N5007/N4893	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4893/N4900	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4900/N4909	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5014/N4894	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4894/N4901	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4901/N4910	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5021/N4896	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4896/N4899	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4899/N4906	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5028/N4895	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4895/N4902	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4902/N4905	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5035/N4898	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4898/N4903	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4903/N4907	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5042/N4897	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N4897/N4904	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4904/N4908	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N4832/N4901	40x80x2 (#)	2.315	0.001	8.24
		N4806/N4900	40x80x2 (#)	2.315	0.001	8.24
		N4718/N4698	CF-60x2.0 (C)	0.725	0.000	1.77
		N4718/N4700	CF-60x2.0 (C)	1.140	0.000	2.79
		N4700/N4721	CF-60x2.0 (C)	0.848	0.000	2.08
		N4721/N4703	CF-60x2.0 (C)	1.140	0.000	2.79
		N4703/N4724	CF-60x2.0 (C)	0.886	0.000	2.17
		N4366/N4346	CF-60x2.0 (C)	0.725	0.000	1.77
		N4366/N4348	CF-60x2.0 (C)	1.140	0.000	2.79
		N4348/N4369	CF-60x2.0 (C)	0.848	0.000	2.08
		N4369/N4351	CF-60x2.0 (C)	1.140	0.000	2.79
		N4351/N4372	CF-60x2.0 (C)	0.886	0.000	2.17
		N4724/N4706	CF-60x2.0 (C)	1.140	0.000	2.79
		N4706/N4727	CF-60x2.0 (C)	0.853	0.000	2.09
		N4727/N4709	CF-60x2.0 (C)	1.140	0.000	2.79
		N4709/N4730	CF-60x2.0 (C)	0.853	0.000	2.09
		N4730/N4712	CF-60x2.0 (C)	1.140	0.000	2.79
		N4712/N4733	CF-60x2.0 (C)	0.853	0.000	2.09
		N4733/N4715	CF-60x2.0 (C)	1.140	0.000	2.79
		N4715/N4736	CF-60x2.0 (C)	0.853	0.000	2.09
		N4372/N4354	CF-60x2.0 (C)	1.140	0.000	2.79
		N4354/N4375	CF-60x2.0 (C)	0.853	0.000	2.09
		N4375/N4357	CF-60x2.0 (C)	1.140	0.000	2.79
		N4357/N4378	CF-60x2.0 (C)	0.853	0.000	2.09
		N4378/N4360	CF-60x2.0 (C)	1.140	0.000	2.79
		N4360/N4381	CF-60x2.0 (C)	0.853	0.000	2.09
		N4381/N4363	CF-60x2.0 (C)	1.140	0.000	2.79
		N4363/N4384	CF-60x2.0 (C)	0.853	0.000	2.09
		N5049/N5056	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5056/N5062	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5062/N5068	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5069/N5078	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5078/N5086	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5086/N5094	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5095/N5104	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5104/N5112	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5112/N5120	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5121/N5130	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5130/N5138	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5138/N5145	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5056/N5078	40x80x2 (#)	2.315	0.001	8.24
		N5078/N5104	40x80x2 (#)	2.315	0.001	8.24
		N5146/N5147	40x80x2 (#)	1.575	0.001	5.61
		N5147/N5130	40x80x2 (#)	2.315	0.001	8.24
		N5130/N5148	40x80x2 (#)	2.315	0.001	8.24
		N5062/N5086	40x80x2 (#)	2.315	0.001	8.24
		N5086/N5112	40x80x2 (#)	2.315	0.001	8.24
		N5149/N5150	40x80x2 (#)	1.575	0.001	5.61
		N5150/N5138	40x80x2 (#)	2.315	0.001	8.24
		N5138/N5151	40x80x2 (#)	2.315	0.001	8.24
		N5056/N4724	40x80x2 (#)	1.075	0.000	3.83
		N5078/N4746	40x80x2 (#)	1.075	0.000	3.83
		N5104/N4798	40x80x2 (#)	1.075	0.000	3.83
		N5146/N4893	40x80x2 (#)	1.075	0.000	3.83

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N5147/N4896	40x80x2 (#)	1.075	0.000	3.83
		N5130/N4850	40x80x2 (#)	1.075	0.000	3.83
		N5148/N4898	40x80x2 (#)	1.075	0.000	3.83
		N5062/N4730	40x80x2 (#)	1.075	0.000	3.83
		N5086/N4754	40x80x2 (#)	1.075	0.000	3.83
		N5112/N4806	40x80x2 (#)	1.075	0.000	3.83
		N5149/N4900	40x80x2 (#)	1.075	0.000	3.83
		N5150/N4899	40x80x2 (#)	1.075	0.000	3.83
		N5138/N4858	40x80x2 (#)	1.075	0.000	3.83
		N5151/N4903	40x80x2 (#)	1.075	0.000	3.83
		N5068/N4736	40x80x2 (#)	1.075	0.000	3.83
		N5094/N4762	40x80x2 (#)	1.075	0.000	3.83
		N5120/N4814	40x80x2 (#)	1.075	0.000	3.83
		N5154/N4909	40x80x2 (#)	1.075	0.000	3.83
		N5152/N4906	40x80x2 (#)	1.075	0.000	3.83
		N5145/N4866	40x80x2 (#)	1.075	0.000	3.83
		N5153/N4907	40x80x2 (#)	1.075	0.000	3.83
		N5104/N5146	40x80x2 (#)	2.315	0.001	8.24
		N5050/N5070	40x60x1.5 (#)	2.315	0.001	5.18
		N5051/N5071	40x60x1.5 (#)	2.315	0.001	5.18
		N5052/N5073	40x60x1.5 (#)	2.315	0.001	5.18
		N5053/N5074	40x60x1.5 (#)	2.315	0.001	5.18
		N5054/N5075	40x60x1.5 (#)	2.315	0.001	5.18
		N5055/N5077	40x60x1.5 (#)	2.315	0.001	5.18
		N5070/N5096	40x60x1.5 (#)	2.315	0.001	5.18
		N5071/N5097	40x60x1.5 (#)	2.315	0.001	5.18
		N5073/N5099	40x60x1.5 (#)	2.315	0.001	5.18
		N5074/N5100	40x60x1.5 (#)	2.315	0.001	5.18
		N5075/N5101	40x60x1.5 (#)	2.315	0.001	5.18
		N5077/N5103	40x60x1.5 (#)	2.315	0.001	5.18
		N5155/N5122	40x60x1.5 (#)	2.315	0.001	5.18
		N5156/N5123	40x60x1.5 (#)	2.315	0.001	5.18
		N5157/N5125	40x60x1.5 (#)	2.315	0.001	5.18
		N5158/N5126	40x60x1.5 (#)	2.315	0.001	5.18
		N5159/N5127	40x60x1.5 (#)	2.315	0.001	5.18
		N5160/N5129	40x60x1.5 (#)	2.315	0.001	5.18
		N5122/N5161	40x60x1.5 (#)	2.315	0.001	5.18
		N5123/N5162	40x60x1.5 (#)	2.315	0.001	5.18
		N5125/N5163	40x60x1.5 (#)	2.315	0.001	5.18
		N5126/N5164	40x60x1.5 (#)	2.315	0.001	5.18
		N5127/N5165	40x60x1.5 (#)	2.315	0.001	5.18
		N5129/N5166	40x60x1.5 (#)	2.315	0.001	5.18
		N5131/N5167	40x60x1.5 (#)	2.315	0.001	5.18
		N5133/N5168	40x60x1.5 (#)	2.315	0.001	5.18
		N5135/N5169	40x60x1.5 (#)	2.315	0.001	5.18
		N5137/N5170	40x60x1.5 (#)	2.315	0.001	5.18
		N5134/N5171	40x60x1.5 (#)	2.315	0.001	5.18
		N5172/N5131	40x60x1.5 (#)	2.315	0.001	5.18
		N5173/N5133	40x60x1.5 (#)	2.315	0.001	5.18
		N5174/N5135	40x60x1.5 (#)	2.315	0.001	5.18
		N5175/N5137	40x60x1.5 (#)	2.315	0.001	5.18
		N5176/N5134	40x60x1.5 (#)	2.315	0.001	5.18
		N5079/N5105	40x60x1.5 (#)	2.315	0.001	5.18
		N5081/N5107	40x60x1.5 (#)	2.315	0.001	5.18
		N5083/N5109	40x60x1.5 (#)	2.315	0.001	5.18
		N5085/N5111	40x60x1.5 (#)	2.315	0.001	5.18
		N5082/N5108	40x60x1.5 (#)	2.315	0.001	5.18
		N5057/N5079	40x60x1.5 (#)	2.315	0.001	5.18
		N5058/N5081	40x60x1.5 (#)	2.315	0.001	5.18
		N5060/N5083	40x60x1.5 (#)	2.315	0.001	5.18
		N5061/N5085	40x60x1.5 (#)	2.315	0.001	5.18
		N5059/N5082	40x60x1.5 (#)	2.315	0.001	5.18
		N5065/N5090	40x60x1.5 (#)	2.315	0.001	5.18
		N5066/N5091	40x60x1.5 (#)	2.315	0.001	5.18
		N5067/N5093	40x60x1.5 (#)	2.315	0.001	5.18
		N5064/N5089	40x60x1.5 (#)	2.315	0.001	5.18
		N5063/N5087	40x60x1.5 (#)	2.315	0.001	5.18
		N5090/N5116	40x60x1.5 (#)	2.315	0.001	5.18
		N5091/N5117	40x60x1.5 (#)	2.315	0.001	5.18
		N5093/N5119	40x60x1.5 (#)	2.315	0.001	5.18
		N5089/N5115	40x60x1.5 (#)	2.315	0.001	5.18
		N5087/N5113	40x60x1.5 (#)	2.315	0.001	5.18
		N5177/N5142	40x60x1.5 (#)	2.315	0.001	5.18
		N5178/N5143	40x60x1.5 (#)	2.315	0.001	5.18
		N5179/N5144	40x60x1.5 (#)	2.315	0.001	5.18
		N5180/N5141	40x60x1.5 (#)	2.315	0.001	5.18
		N5181/N5139	40x60x1.5 (#)	2.315	0.001	5.18
		N5142/N5182	40x60x1.5 (#)	2.315	0.001	5.18
		N5144/N5183	40x60x1.5 (#)	2.315	0.001	5.18
		N5143/N5184	40x60x1.5 (#)	2.315	0.001	5.18
		N5139/N5185	40x60x1.5 (#)	2.315	0.001	5.18
		N5141/N5186	40x60x1.5 (#)	2.315	0.001	5.18
		N5096/N5187	40x60x1.5 (#)	2.315	0.001	5.18
		N5097/N5188	40x60x1.5 (#)	2.315	0.001	5.18
		N5099/N5189	40x60x1.5 (#)	2.315	0.001	5.18
		N5100/N5190	40x60x1.5 (#)	2.315	0.001	5.18
		N5101/N5191	40x60x1.5 (#)	2.315	0.001	5.18
		N5103/N5192	40x60x1.5 (#)	2.315	0.001	5.18
		N5105/N5193	40x60x1.5 (#)	2.315	0.001	5.18
		N5107/N5194	40x60x1.5 (#)	2.315	0.001	5.18
		N5109/N5195	40x60x1.5 (#)	2.315	0.001	5.18
		N5111/N5196	40x60x1.5 (#)	2.315	0.001	5.18
		N5108/N5197	40x60x1.5 (#)	2.315	0.001	5.18
		N5116/N5198	40x60x1.5 (#)	2.315	0.001	5.18
		N5117/N5199	40x60x1.5 (#)	2.315	0.001	5.18
		N5119/N5200	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N5115/N5201	40x60x1.5 (#)	2.315	0.001	5.18
		N5113/N5202	40x60x1.5 (#)	2.315	0.001	5.18
		N5203/N5146	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5146/N5149	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5149/N5154	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5210/N5147	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5147/N5150	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5150/N5152	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5217/N5148	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5148/N5151	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5151/N5153	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5112/N5149	40x80x2 (#)	2.315	0.001	8.24
		N5224/N5231	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5231/N5237	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5237/N5243	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5244/N5253	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5253/N5261	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5261/N5269	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5270/N5279	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5279/N5287	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5287/N5295	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5296/N5305	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5305/N5313	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5313/N5320	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5231/N5253	40x80x2 (#)	2.315	0.001	8.24
		N5253/N5279	40x80x2 (#)	2.315	0.001	8.24
		N5321/N5322	40x80x2 (#)	1.575	0.001	5.61
		N5322/N5305	40x80x2 (#)	2.315	0.001	8.24
		N5321/N5322	40x80x2 (#)	1.575	0.001	5.61
		N5322/N5305	40x80x2 (#)	2.315	0.001	8.24
		N5305/N5323	40x80x2 (#)	2.315	0.001	8.24
		N5237/N5261	40x80x2 (#)	2.315	0.001	8.24
		N5261/N5287	40x80x2 (#)	2.315	0.001	8.24
		N5324/N5325	40x80x2 (#)	1.575	0.001	5.61
		N5325/N5313	40x80x2 (#)	2.315	0.001	8.24
		N5313/N5326	40x80x2 (#)	2.315	0.001	8.24
		N5279/N5321	40x80x2 (#)	2.315	0.001	8.24
		N5225/N5245	40x60x1.5 (#)	2.315	0.001	5.18
		N5226/N5246	40x60x1.5 (#)	2.315	0.001	5.18
		N5227/N5248	40x60x1.5 (#)	2.315	0.001	5.18
		N5228/N5249	40x60x1.5 (#)	2.315	0.001	5.18
		N5229/N5250	40x60x1.5 (#)	2.315	0.001	5.18
		N5230/N5252	40x60x1.5 (#)	2.315	0.001	5.18
		N5245/N5271	40x60x1.5 (#)	2.315	0.001	5.18
		N5246/N5272	40x60x1.5 (#)	2.315	0.001	5.18
		N5248/N5274	40x60x1.5 (#)	2.315	0.001	5.18
		N5249/N5275	40x60x1.5 (#)	2.315	0.001	5.18
		N5250/N5276	40x60x1.5 (#)	2.315	0.001	5.18
		N5252/N5278	40x60x1.5 (#)	2.315	0.001	5.18
		N5327/N5297	40x60x1.5 (#)	2.315	0.001	5.18
		N5328/N5298	40x60x1.5 (#)	2.315	0.001	5.18
		N5329/N5300	40x60x1.5 (#)	2.315	0.001	5.18
		N5330/N5301	40x60x1.5 (#)	2.315	0.001	5.18
		N5331/N5302	40x60x1.5 (#)	2.315	0.001	5.18
		N5332/N5304	40x60x1.5 (#)	2.315	0.001	5.18
		N5297/N5333	40x60x1.5 (#)	2.315	0.001	5.18
		N5298/N5334	40x60x1.5 (#)	2.315	0.001	5.18
		N5300/N5335	40x60x1.5 (#)	2.315	0.001	5.18
		N5301/N5336	40x60x1.5 (#)	2.315	0.001	5.18
		N5302/N5337	40x60x1.5 (#)	2.315	0.001	5.18
		N5304/N5338	40x60x1.5 (#)	2.315	0.001	5.18
		N5306/N5339	40x60x1.5 (#)	2.315	0.001	5.18
		N5308/N5340	40x60x1.5 (#)	2.315	0.001	5.18
		N5310/N5341	40x60x1.5 (#)	2.315	0.001	5.18
		N5312/N5342	40x60x1.5 (#)	2.315	0.001	5.18
		N5309/N5343	40x60x1.5 (#)	2.315	0.001	5.18
		N5344/N5306	40x60x1.5 (#)	2.315	0.001	5.18
		N5309/N5343	40x60x1.5 (#)	2.315	0.001	5.18
		N5344/N5306	40x60x1.5 (#)	2.315	0.001	5.18
		N5345/N5308	40x60x1.5 (#)	2.315	0.001	5.18
		N5346/N5310	40x60x1.5 (#)	2.315	0.001	5.18
		N5347/N5312	40x60x1.5 (#)	2.315	0.001	5.18
		N5348/N5309	40x60x1.5 (#)	2.315	0.001	5.18
		N5254/N5280	40x60x1.5 (#)	2.315	0.001	5.18
		N5256/N5282	40x60x1.5 (#)	2.315	0.001	5.18
		N5258/N5284	40x60x1.5 (#)	2.315	0.001	5.18
		N5260/N5286	40x60x1.5 (#)	2.315	0.001	5.18
		N5257/N5283	40x60x1.5 (#)	2.315	0.001	5.18
		N5232/N5254	40x60x1.5 (#)	2.315	0.001	5.18
		N5233/N5256	40x60x1.5 (#)	2.315	0.001	5.18
		N5235/N5258	40x60x1.5 (#)	2.315	0.001	5.18
		N5236/N5260	40x60x1.5 (#)	2.315	0.001	5.18
		N5234/N5257	40x60x1.5 (#)	2.315	0.001	5.18
		N5240/N5265	40x60x1.5 (#)	2.315	0.001	5.18
		N5241/N5266	40x60x1.5 (#)	2.315	0.001	5.18
		N5242/N5268	40x60x1.5 (#)	2.315	0.001	5.18
		N5239/N5264	40x60x1.5 (#)	2.315	0.001	5.18
		N5238/N5262	40x60x1.5 (#)	2.315	0.001	5.18
		N5265/N5291	40x60x1.5 (#)	2.315	0.001	5.18
		N5266/N5292	40x60x1.5 (#)	2.315	0.001	5.18
		N5268/N5294	40x60x1.5 (#)	2.315	0.001	5.18
		N5264/N5290	40x60x1.5 (#)	2.315	0.001	5.18
		N5262/N5288	40x60x1.5 (#)	2.315	0.001	5.18
		N5349/N5317	40x60x1.5 (#)	2.315	0.001	5.18
		N5350/N5318	40x60x1.5 (#)	2.315	0.001	5.18
		N5351/N5319	40x60x1.5 (#)	2.315	0.001	5.18
		N5352/N5316	40x60x1.5 (#)	2.315	0.001	5.18
		N5353/N5314	40x60x1.5 (#)	2.315	0.001	5.18
		N5317/N5354	40x60x1.5 (#)	2.315	0.001	5.18
		N5319/N5355	40x60x1.5 (#)	2.315	0.001	5.18

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N5318/N5356	40x60x1.5 (#)	2.315	0.001	5.18
		N5314/N5357	40x60x1.5 (#)	2.315	0.001	5.18
		N5316/N5358	40x60x1.5 (#)	2.315	0.001	5.18
		N5271/N5359	40x60x1.5 (#)	2.315	0.001	5.18
		N5272/N5360	40x60x1.5 (#)	2.315	0.001	5.18
		N5274/N5361	40x60x1.5 (#)	2.315	0.001	5.18
		N5275/N5362	40x60x1.5 (#)	2.315	0.001	5.18
		N5276/N5363	40x60x1.5 (#)	2.315	0.001	5.18
		N5278/N5364	40x60x1.5 (#)	2.315	0.001	5.18
		N5280/N5365	40x60x1.5 (#)	2.315	0.001	5.18
		N5282/N5366	40x60x1.5 (#)	2.315	0.001	5.18
		N5284/N5367	40x60x1.5 (#)	2.315	0.001	5.18
		N5286/N5368	40x60x1.5 (#)	2.315	0.001	5.18
		N5283/N5369	40x60x1.5 (#)	2.315	0.001	5.18
		N5291/N5370	40x60x1.5 (#)	2.315	0.001	5.18
		N5292/N5371	40x60x1.5 (#)	2.315	0.001	5.18
		N5294/N5372	40x60x1.5 (#)	2.315	0.001	5.18
		N5290/N5373	40x60x1.5 (#)	2.315	0.001	5.18
		N5288/N5374	40x60x1.5 (#)	2.315	0.001	5.18
		N5375/N5321	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5321/N5324	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5324/N5382	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5383/N5322	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5322/N5325	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5325/N5390	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5391/N5323	G 100x50x25x130x2.0 (G)	2.780	0.002	12.78
		N5323/N5326	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5326/N5398	G 100x50x25x130x2.0 (G)	2.660	0.002	12.23
		N5287/N5324	40x80x2 (#)	2.315	0.001	8.24
		N5231/N5056	40x80x2 (#)	0.325	0.000	1.16
		N5253/N5078	40x80x2 (#)	0.325	0.000	1.16
		N5279/N5104	40x80x2 (#)	0.325	0.000	1.16
		N5321/N5146	40x80x2 (#)	0.325	0.000	1.16
		N5322/N5147	40x80x2 (#)	0.325	0.000	1.16
		N5305/N5130	40x80x2 (#)	0.325	0.000	1.16
		N5323/N5148	40x80x2 (#)	0.325	0.000	1.16
		N5237/N5062	40x80x2 (#)	0.325	0.000	1.16
		N5261/N5086	40x80x2 (#)	0.325	0.000	1.16
		N5287/N5112	40x80x2 (#)	0.325	0.000	1.16
		N5324/N5149	40x80x2 (#)	0.325	0.000	1.16
		N5325/N5150	40x80x2 (#)	0.325	0.000	1.16
		N5313/N5138	40x80x2 (#)	0.325	0.000	1.16
		N5326/N5151	40x80x2 (#)	0.325	0.000	1.16
		N5243/N5068	40x80x2 (#)	0.325	0.000	1.16
		N5269/N5094	40x80x2 (#)	0.325	0.000	1.16
		N5295/N5120	40x80x2 (#)	0.325	0.000	1.16
		N5382/N5154	40x80x2 (#)	0.325	0.000	1.16
		N5390/N5152	40x80x2 (#)	0.325	0.000	1.16
		N5320/N5145	40x80x2 (#)	0.325	0.000	1.16
		N5398/N5153	40x80x2 (#)	0.325	0.000	1.16
		N5225/N5050	CF-60x2.0 (C)	0.325	0.000	0.80
		N5225/N5052	CF-60x2.0 (C)	0.938	0.000	2.30
		N5052/N5228	CF-60x2.0 (C)	0.547	0.000	1.34
		N5228/N5055	CF-60x2.0 (C)	0.938	0.000	2.30
		N5055/N5231	CF-60x2.0 (C)	0.605	0.000	1.48
		N5231/N5058	CF-60x2.0 (C)	0.938	0.000	2.30
		N5058/N5234	CF-60x2.0 (C)	0.555	0.000	1.36
		N5234/N5061	CF-60x2.0 (C)	0.938	0.000	2.30
		N5061/N5237	CF-60x2.0 (C)	0.555	0.000	1.36
		N5237/N5064	CF-60x2.0 (C)	0.938	0.000	2.30
		N5064/N5240	CF-60x2.0 (C)	0.555	0.000	1.36
		N5240/N5067	CF-60x2.0 (C)	0.938	0.000	2.30
		N5067/N5243	CF-60x2.0 (C)	0.555	0.000	1.36
		N5382/N5390	40x80x2 (#)	1.575	0.001	5.61
		N5154/N5152	40x80x2 (#)	1.575	0.001	5.61
		N4909/N4906	40x80x2 (#)	1.575	0.001	5.61
		N4910/N4905	40x80x2 (#)	1.575	0.001	5.61
		N4557/N4554	40x80x2 (#)	1.575	0.001	5.61
		N4558/N4553	40x80x2 (#)	1.575	0.001	5.61
		N4205/N4202	40x80x2 (#)	1.575	0.001	5.61
		N4206/N4201	40x80x2 (#)	1.575	0.001	5.61
		N3853/N3850	40x80x2 (#)	1.575	0.001	5.61
		N3854/N3849	40x80x2 (#)	1.575	0.001	5.61
		N3501/N3498	40x80x2 (#)	1.575	0.001	5.61
		N3502/N3497	40x80x2 (#)	1.575	0.001	5.61
		N3149/N3146	40x80x2 (#)	1.575	0.001	5.61
		N3150/N3145	40x80x2 (#)	1.575	0.001	5.61
		N2797/N2794	40x80x2 (#)	1.575	0.001	5.61
		N2798/N2793	40x80x2 (#)	1.575	0.001	5.61
		N2445/N2442	40x80x2 (#)	1.575	0.001	5.61
		N2446/N2441	40x80x2 (#)	1.575	0.001	5.61
		N2093/N2090	40x80x2 (#)	1.575	0.001	5.61
		N2094/N2089	40x80x2 (#)	1.575	0.001	5.61
		N1741/N1738	40x80x2 (#)	1.575	0.001	5.61
		N1742/N1737	40x80x2 (#)	1.575	0.001	5.61
		N1113/N1110	40x80x2 (#)	1.575	0.001	5.61
		N1114/N1109	40x80x2 (#)	1.575	0.001	5.61
		N756/N796	40x80x2 (#)	1.575	0.001	5.61
		N776/N816	40x80x2 (#)	1.575	0.001	5.61
		N180/N220	40x80x2 (#)	1.575	0.001	5.61
		N529/N566	40x80x2 (#)	1.575	0.001	5.61
		N341/N342	40x80x2 (#)	1.575	0.001	5.61
		N200/N240	40x80x2 (#)	1.575	0.001	5.61
		N928/N926	150x50x4.0 (Rectangular_Colmmmena)	0.175	0.000	2.07
		N915/N928	150x50x4.0 (Rectangular_Colmmmena)	0.970	0.001	11.48
		N978/N998	CF-60x2.0 (C)	0.725	0.000	1.77

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N978/N1000	CF-60x2.0 (C)	1.140	0.000	2.79
		N1000/N981	CF-60x2.0 (C)	0.848	0.000	2.08
		N981/N1003	CF-60x2.0 (C)	1.140	0.000	2.79
		N1003/N984	CF-60x2.0 (C)	0.886	0.000	2.17
		N658/N678	CF-60x2.0 (C)	0.725	0.000	1.77
		N658/N680	CF-60x2.0 (C)	1.140	0.000	2.79
		N680/N661	CF-60x2.0 (C)	0.848	0.000	2.08
		N661/N683	CF-60x2.0 (C)	1.140	0.000	2.79
		N683/N664	CF-60x2.0 (C)	0.886	0.000	2.17
		N42/N62	CF-60x2.0 (C)	0.725	0.000	1.77
		N42/N64	CF-60x2.0 (C)	1.140	0.000	2.79
		N64/N45	CF-60x2.0 (C)	0.848	0.000	2.08
		N45/N67	CF-60x2.0 (C)	1.140	0.000	2.79
		N67/N48	CF-60x2.0 (C)	0.886	0.000	2.17
		N391/N383	CF-60x2.0 (C)	0.325	0.000	0.80
		N391/N385	CF-60x2.0 (C)	0.938	0.000	2.30
		N385/N394	CF-60x2.0 (C)	0.547	0.000	1.34
		N394/N388	CF-60x2.0 (C)	0.938	0.000	2.30
		N388/N322	CF-60x2.0 (C)	0.605	0.000	1.48
		N984/N1006	CF-60x2.0 (C)	1.140	0.000	2.79
		N1006/N987	CF-60x2.0 (C)	0.853	0.000	2.09
		N987/N1009	CF-60x2.0 (C)	1.140	0.000	2.79
		N1009/N990	CF-60x2.0 (C)	0.853	0.000	2.09
		N990/N1012	CF-60x2.0 (C)	1.140	0.000	2.79
		N1012/N993	CF-60x2.0 (C)	0.853	0.000	2.09
		N993/N1015	CF-60x2.0 (C)	1.140	0.000	2.79
		N1015/N996	CF-60x2.0 (C)	0.853	0.000	2.09
		N664/N686	CF-60x2.0 (C)	1.140	0.000	2.79
		N686/N667	CF-60x2.0 (C)	0.853	0.000	2.09
		N667/N689	CF-60x2.0 (C)	1.140	0.000	2.79
		N689/N670	CF-60x2.0 (C)	0.853	0.000	2.09
		N670/N692	CF-60x2.0 (C)	1.140	0.000	2.79
		N692/N673	CF-60x2.0 (C)	0.853	0.000	2.09
		N673/N695	CF-60x2.0 (C)	1.140	0.000	2.79
		N695/N676	CF-60x2.0 (C)	0.853	0.000	2.09
		N48/N70	CF-60x2.0 (C)	1.140	0.000	2.79
		N70/N51	CF-60x2.0 (C)	0.853	0.000	2.09
		N51/N73	CF-60x2.0 (C)	1.140	0.000	2.79
		N73/N54	CF-60x2.0 (C)	0.853	0.000	2.09
		N54/N76	CF-60x2.0 (C)	1.140	0.000	2.79
		N76/N57	CF-60x2.0 (C)	0.853	0.000	2.09
		N57/N79	CF-60x2.0 (C)	1.140	0.000	2.79
		N79/N60	CF-60x2.0 (C)	0.853	0.000	2.09
		N322/N403	CF-60x2.0 (C)	0.938	0.000	2.30
		N403/N399	CF-60x2.0 (C)	0.555	0.000	1.36
		N399/N406	CF-60x2.0 (C)	0.938	0.000	2.30
		N406/N330	CF-60x2.0 (C)	0.555	0.000	1.36
		N330/N414	CF-60x2.0 (C)	0.938	0.000	2.30
		N414/N410	CF-60x2.0 (C)	0.555	0.000	1.36
		N410/N417	CF-60x2.0 (C)	0.938	0.000	2.30
		N417/N338	CF-60x2.0 (C)	0.555	0.000	1.36
		N1922/N1948	CF-60x2.0 (C)	0.725	0.000	1.77
		N1922/N1951	CF-60x2.0 (C)	1.140	0.000	2.79
		N1951/N1926	CF-60x2.0 (C)	0.848	0.000	2.08
		N1926/N1955	CF-60x2.0 (C)	1.140	0.000	2.79
		N1955/N1930	CF-60x2.0 (C)	0.886	0.000	2.17
		N1570/N1596	CF-60x2.0 (C)	0.725	0.000	1.77
		N1570/N1599	CF-60x2.0 (C)	1.140	0.000	2.79
		N1599/N1574	CF-60x2.0 (C)	0.848	0.000	2.08
		N1574/N1603	CF-60x2.0 (C)	1.140	0.000	2.79
		N1603/N1578	CF-60x2.0 (C)	0.886	0.000	2.17
		N1930/N1959	CF-60x2.0 (C)	1.140	0.000	2.79
		N1959/N1934	CF-60x2.0 (C)	0.853	0.000	2.09
		N1934/N1963	CF-60x2.0 (C)	1.140	0.000	2.79
		N1963/N1938	CF-60x2.0 (C)	0.853	0.000	2.09
		N1938/N1967	CF-60x2.0 (C)	1.140	0.000	2.79
		N1967/N1942	CF-60x2.0 (C)	0.853	0.000	2.09
		N1942/N1971	CF-60x2.0 (C)	1.140	0.000	2.79
		N1971/N1946	CF-60x2.0 (C)	0.853	0.000	2.09
		N1578/N1607	CF-60x2.0 (C)	1.140	0.000	2.79
		N1607/N1582	CF-60x2.0 (C)	0.853	0.000	2.09
		N1582/N1611	CF-60x2.0 (C)	1.140	0.000	2.79
		N1611/N1586	CF-60x2.0 (C)	0.853	0.000	2.09
		N1586/N1615	CF-60x2.0 (C)	1.140	0.000	2.79
		N1615/N1590	CF-60x2.0 (C)	0.853	0.000	2.09
		N1590/N1619	CF-60x2.0 (C)	1.140	0.000	2.79
		N1619/N1594	CF-60x2.0 (C)	0.853	0.000	2.09
		N2626/N2652	CF-60x2.0 (C)	0.725	0.000	1.77
		N2626/N2655	CF-60x2.0 (C)	1.140	0.000	2.79
		N2655/N2630	CF-60x2.0 (C)	0.848	0.000	2.08
		N2630/N2659	CF-60x2.0 (C)	1.140	0.000	2.79
		N2659/N2634	CF-60x2.0 (C)	0.886	0.000	2.17
		N2274/N2300	CF-60x2.0 (C)	0.725	0.000	1.77
		N2274/N2303	CF-60x2.0 (C)	1.140	0.000	2.79
		N2303/N2278	CF-60x2.0 (C)	0.848	0.000	2.08
		N2278/N2307	CF-60x2.0 (C)	1.140	0.000	2.79
		N2307/N2282	CF-60x2.0 (C)	0.886	0.000	2.17
		N2634/N2663	CF-60x2.0 (C)	1.140	0.000	2.79
		N2663/N2638	CF-60x2.0 (C)	0.853	0.000	2.09
		N2638/N2667	CF-60x2.0 (C)	1.140	0.000	2.79
		N2667/N2642	CF-60x2.0 (C)	0.853	0.000	2.09
		N2642/N2671	CF-60x2.0 (C)	1.140	0.000	2.79
		N2671/N2646	CF-60x2.0 (C)	0.853	0.000	2.09
		N2646/N2675	CF-60x2.0 (C)	1.140	0.000	2.79
		N2675/N2650	CF-60x2.0 (C)	0.853	0.000	2.09
		N2282/N2311	CF-60x2.0 (C)	1.140	0.000	2.79

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2311/N2286	CF-60x2.0 (C)	0.853	0.000	2.09
		N2286/N2315	CF-60x2.0 (C)	1.140	0.000	2.79
		N2315/N2290	CF-60x2.0 (C)	0.853	0.000	2.09
		N2290/N2319	CF-60x2.0 (C)	1.140	0.000	2.79
		N2319/N2294	CF-60x2.0 (C)	0.853	0.000	2.09
		N2294/N2323	CF-60x2.0 (C)	1.140	0.000	2.79
		N2323/N2298	CF-60x2.0 (C)	0.853	0.000	2.09
		N3330/N3356	CF-60x2.0 (C)	0.725	0.000	1.77
		N3330/N3359	CF-60x2.0 (C)	1.140	0.000	2.79
		N3359/N3334	CF-60x2.0 (C)	0.848	0.000	2.08
		N3334/N3363	CF-60x2.0 (C)	1.140	0.000	2.79
		N3363/N3338	CF-60x2.0 (C)	0.886	0.000	2.17
		N2978/N3004	CF-60x2.0 (C)	0.725	0.000	1.77
		N2978/N3007	CF-60x2.0 (C)	1.140	0.000	2.79
		N3007/N2982	CF-60x2.0 (C)	0.848	0.000	2.08
		N2982/N3011	CF-60x2.0 (C)	1.140	0.000	2.79
		N3011/N2986	CF-60x2.0 (C)	0.886	0.000	2.17
		N3338/N3367	CF-60x2.0 (C)	1.140	0.000	2.79
		N3367/N3342	CF-60x2.0 (C)	0.853	0.000	2.09
		N3342/N3371	CF-60x2.0 (C)	1.140	0.000	2.79
		N3371/N3346	CF-60x2.0 (C)	0.853	0.000	2.09
		N3346/N3375	CF-60x2.0 (C)	1.140	0.000	2.79
		N3375/N3350	CF-60x2.0 (C)	0.853	0.000	2.09
		N3350/N3379	CF-60x2.0 (C)	1.140	0.000	2.79
		N3379/N3354	CF-60x2.0 (C)	0.853	0.000	2.09
		N2986/N3015	CF-60x2.0 (C)	1.140	0.000	2.79
		N3015/N2990	CF-60x2.0 (C)	0.853	0.000	2.09
		N2990/N3019	CF-60x2.0 (C)	1.140	0.000	2.79
		N3019/N2994	CF-60x2.0 (C)	0.853	0.000	2.09
		N2994/N3023	CF-60x2.0 (C)	1.140	0.000	2.79
		N3023/N2998	CF-60x2.0 (C)	0.853	0.000	2.09
		N2998/N3027	CF-60x2.0 (C)	1.140	0.000	2.79
		N3027/N3002	CF-60x2.0 (C)	0.853	0.000	2.09
		N4034/N4060	CF-60x2.0 (C)	0.725	0.000	1.77
		N4034/N4063	CF-60x2.0 (C)	1.140	0.000	2.79
		N4063/N4038	CF-60x2.0 (C)	0.848	0.000	2.08
		N4038/N4067	CF-60x2.0 (C)	1.140	0.000	2.79
		N4067/N4042	CF-60x2.0 (C)	0.886	0.000	2.17
		N3682/N3708	CF-60x2.0 (C)	0.725	0.000	1.77
		N3682/N3711	CF-60x2.0 (C)	1.140	0.000	2.79
		N3711/N3686	CF-60x2.0 (C)	0.848	0.000	2.08
		N3686/N3715	CF-60x2.0 (C)	1.140	0.000	2.79
		N3715/N3690	CF-60x2.0 (C)	0.886	0.000	2.17
		N4042/N4071	CF-60x2.0 (C)	1.140	0.000	2.79
		N4071/N4046	CF-60x2.0 (C)	0.853	0.000	2.09
		N4046/N4075	CF-60x2.0 (C)	1.140	0.000	2.79
		N4075/N4050	CF-60x2.0 (C)	0.853	0.000	2.09
		N4050/N4079	CF-60x2.0 (C)	1.140	0.000	2.79
		N4079/N4054	CF-60x2.0 (C)	0.853	0.000	2.09
		N4054/N4083	CF-60x2.0 (C)	1.140	0.000	2.79
		N4083/N4058	CF-60x2.0 (C)	0.853	0.000	2.09
		N3690/N3719	CF-60x2.0 (C)	1.140	0.000	2.79
		N3719/N3694	CF-60x2.0 (C)	0.853	0.000	2.09
		N3694/N3723	CF-60x2.0 (C)	1.140	0.000	2.79
		N3723/N3698	CF-60x2.0 (C)	0.853	0.000	2.09
		N3698/N3727	CF-60x2.0 (C)	1.140	0.000	2.79
		N3727/N3702	CF-60x2.0 (C)	0.853	0.000	2.09
		N3702/N3731	CF-60x2.0 (C)	1.140	0.000	2.79
		N3731/N3706	CF-60x2.0 (C)	0.853	0.000	2.09
		N4738/N4764	CF-60x2.0 (C)	0.725	0.000	1.77
		N4738/N4767	CF-60x2.0 (C)	1.140	0.000	2.79
		N4767/N4742	CF-60x2.0 (C)	0.848	0.000	2.08
		N4742/N4771	CF-60x2.0 (C)	1.140	0.000	2.79
		N4771/N4746	CF-60x2.0 (C)	0.886	0.000	2.17
		N4386/N4412	CF-60x2.0 (C)	0.725	0.000	1.77
		N4386/N4415	CF-60x2.0 (C)	1.140	0.000	2.79
		N4415/N4390	CF-60x2.0 (C)	0.848	0.000	2.08
		N4390/N4419	CF-60x2.0 (C)	1.140	0.000	2.79
		N4419/N4394	CF-60x2.0 (C)	0.886	0.000	2.17
		N4746/N4775	CF-60x2.0 (C)	1.140	0.000	2.79
		N4775/N4750	CF-60x2.0 (C)	0.853	0.000	2.09
		N4750/N4779	CF-60x2.0 (C)	1.140	0.000	2.79
		N4779/N4754	CF-60x2.0 (C)	0.853	0.000	2.09
		N4754/N4783	CF-60x2.0 (C)	1.140	0.000	2.79
		N4783/N4758	CF-60x2.0 (C)	0.853	0.000	2.09
		N4758/N4787	CF-60x2.0 (C)	1.140	0.000	2.79
		N4787/N4762	CF-60x2.0 (C)	0.853	0.000	2.09
		N4394/N4423	CF-60x2.0 (C)	1.140	0.000	2.79
		N4423/N4398	CF-60x2.0 (C)	0.853	0.000	2.09
		N4398/N4427	CF-60x2.0 (C)	1.140	0.000	2.79
		N4427/N4402	CF-60x2.0 (C)	0.853	0.000	2.09
		N4402/N4431	CF-60x2.0 (C)	1.140	0.000	2.79
		N4431/N4406	CF-60x2.0 (C)	0.853	0.000	2.09
		N4406/N4435	CF-60x2.0 (C)	1.140	0.000	2.79
		N4435/N4410	CF-60x2.0 (C)	0.853	0.000	2.09
		N5245/N5070	CF-60x2.0 (C)	0.325	0.000	0.80
		N5245/N5073	CF-60x2.0 (C)	0.938	0.000	2.30
		N5073/N5249	CF-60x2.0 (C)	0.547	0.000	1.34
		N5249/N5077	CF-60x2.0 (C)	0.938	0.000	2.30
		N5077/N5253	CF-60x2.0 (C)	0.605	0.000	1.48
		N5253/N5081	CF-60x2.0 (C)	0.938	0.000	2.30
		N5081/N5257	CF-60x2.0 (C)	0.555	0.000	1.36
		N5257/N5085	CF-60x2.0 (C)	0.938	0.000	2.30
		N5085/N5261	CF-60x2.0 (C)	0.555	0.000	1.36
		N5261/N5089	CF-60x2.0 (C)	0.938	0.000	2.30
		N5089/N5265	CF-60x2.0 (C)	0.555	0.000	1.36

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N5265/N5093	CF-60x2.0 (C)	0.938	0.000	2.30
		N5093/N5269	CF-60x2.0 (C)	0.555	0.000	1.36
		N1018/N1038	CF-60x2.0 (C)	0.725	0.000	1.77
		N1018/N1040	CF-60x2.0 (C)	1.140	0.000	2.79
		N1040/N1021	CF-60x2.0 (C)	0.848	0.000	2.08
		N1021/N1043	CF-60x2.0 (C)	1.140	0.000	2.79
		N1043/N1024	CF-60x2.0 (C)	0.886	0.000	2.17
		N698/N718	CF-60x2.0 (C)	0.725	0.000	1.77
		N698/N720	CF-60x2.0 (C)	1.140	0.000	2.79
		N720/N701	CF-60x2.0 (C)	0.848	0.000	2.08
		N701/N723	CF-60x2.0 (C)	1.140	0.000	2.79
		N723/N704	CF-60x2.0 (C)	0.886	0.000	2.17
		N82/N102	CF-60x2.0 (C)	0.725	0.000	1.77
		N82/N104	CF-60x2.0 (C)	1.140	0.000	2.79
		N104/N85	CF-60x2.0 (C)	0.848	0.000	2.08
		N85/N107	CF-60x2.0 (C)	1.140	0.000	2.79
		N107/N88	CF-60x2.0 (C)	0.886	0.000	2.17
		N428/N420	CF-60x2.0 (C)	0.325	0.000	0.80
		N428/N422	CF-60x2.0 (C)	0.938	0.000	2.30
		N422/N431	CF-60x2.0 (C)	0.547	0.000	1.34
		N431/N425	CF-60x2.0 (C)	0.938	0.000	2.30
		N425/N323	CF-60x2.0 (C)	0.605	0.000	1.48
		N1024/N1046	CF-60x2.0 (C)	1.140	0.000	2.79
		N1046/N1027	CF-60x2.0 (C)	0.853	0.000	2.09
		N1027/N1049	CF-60x2.0 (C)	1.140	0.000	2.79
		N1049/N1030	CF-60x2.0 (C)	0.853	0.000	2.09
		N1030/N1052	CF-60x2.0 (C)	1.140	0.000	2.79
		N1052/N1033	CF-60x2.0 (C)	0.853	0.000	2.09
		N1033/N1055	CF-60x2.0 (C)	1.140	0.000	2.79
		N1055/N1036	CF-60x2.0 (C)	0.853	0.000	2.09
		N704/N726	CF-60x2.0 (C)	1.140	0.000	2.79
		N726/N707	CF-60x2.0 (C)	0.853	0.000	2.09
		N707/N729	CF-60x2.0 (C)	1.140	0.000	2.79
		N729/N710	CF-60x2.0 (C)	0.853	0.000	2.09
		N710/N732	CF-60x2.0 (C)	1.140	0.000	2.79
		N732/N713	CF-60x2.0 (C)	0.853	0.000	2.09
		N713/N735	CF-60x2.0 (C)	1.140	0.000	2.79
		N735/N716	CF-60x2.0 (C)	0.853	0.000	2.09
		N88/N110	CF-60x2.0 (C)	1.140	0.000	2.79
		N110/N91	CF-60x2.0 (C)	0.853	0.000	2.09
		N91/N113	CF-60x2.0 (C)	1.140	0.000	2.79
		N113/N94	CF-60x2.0 (C)	0.853	0.000	2.09
		N94/N116	CF-60x2.0 (C)	1.140	0.000	2.79
		N116/N97	CF-60x2.0 (C)	0.853	0.000	2.09
		N97/N119	CF-60x2.0 (C)	1.140	0.000	2.79
		N119/N100	CF-60x2.0 (C)	0.853	0.000	2.09
		N323/N440	CF-60x2.0 (C)	0.938	0.000	2.30
		N440/N436	CF-60x2.0 (C)	0.555	0.000	1.36
		N436/N443	CF-60x2.0 (C)	0.938	0.000	2.30
		N443/N331	CF-60x2.0 (C)	0.555	0.000	1.36
		N331/N451	CF-60x2.0 (C)	0.938	0.000	2.30
		N451/N447	CF-60x2.0 (C)	0.555	0.000	1.36
		N447/N454	CF-60x2.0 (C)	0.938	0.000	2.30
		N454/N339	CF-60x2.0 (C)	0.555	0.000	1.36
		N1974/N2000	CF-60x2.0 (C)	0.725	0.000	1.77
		N1974/N2003	CF-60x2.0 (C)	1.140	0.000	2.79
		N2003/N1978	CF-60x2.0 (C)	0.848	0.000	2.08
		N1978/N2007	CF-60x2.0 (C)	1.140	0.000	2.79
		N2007/N1982	CF-60x2.0 (C)	0.886	0.000	2.17
		N1622/N1648	CF-60x2.0 (C)	0.725	0.000	1.77
		N1622/N1651	CF-60x2.0 (C)	1.140	0.000	2.79
		N1651/N1626	CF-60x2.0 (C)	0.848	0.000	2.08
		N1626/N1655	CF-60x2.0 (C)	1.140	0.000	2.79
		N1655/N1630	CF-60x2.0 (C)	0.886	0.000	2.17
		N1982/N2011	CF-60x2.0 (C)	1.140	0.000	2.79
		N2011/N1986	CF-60x2.0 (C)	0.853	0.000	2.09
		N1986/N2015	CF-60x2.0 (C)	1.140	0.000	2.79
		N2015/N1990	CF-60x2.0 (C)	0.853	0.000	2.09
		N1990/N2019	CF-60x2.0 (C)	1.140	0.000	2.79
		N2019/N1994	CF-60x2.0 (C)	0.853	0.000	2.09
		N1994/N2023	CF-60x2.0 (C)	1.140	0.000	2.79
		N2023/N1998	CF-60x2.0 (C)	0.853	0.000	2.09
		N1630/N1659	CF-60x2.0 (C)	1.140	0.000	2.79
		N1659/N1634	CF-60x2.0 (C)	0.853	0.000	2.09
		N1634/N1663	CF-60x2.0 (C)	1.140	0.000	2.79
		N1663/N1638	CF-60x2.0 (C)	0.853	0.000	2.09
		N1638/N1667	CF-60x2.0 (C)	1.140	0.000	2.79
		N1667/N1642	CF-60x2.0 (C)	0.853	0.000	2.09
		N1642/N1671	CF-60x2.0 (C)	1.140	0.000	2.79
		N1671/N1646	CF-60x2.0 (C)	0.853	0.000	2.09
		N2678/N2704	CF-60x2.0 (C)	0.725	0.000	1.77
		N2678/N2707	CF-60x2.0 (C)	1.140	0.000	2.79
		N2707/N2682	CF-60x2.0 (C)	0.848	0.000	2.08
		N2682/N2711	CF-60x2.0 (C)	1.140	0.000	2.79
		N2711/N2686	CF-60x2.0 (C)	0.886	0.000	2.17
		N2326/N2352	CF-60x2.0 (C)	0.725	0.000	1.77
		N2326/N2355	CF-60x2.0 (C)	1.140	0.000	2.79
		N2355/N2330	CF-60x2.0 (C)	0.848	0.000	2.08
		N2330/N2359	CF-60x2.0 (C)	1.140	0.000	2.79
		N2359/N2334	CF-60x2.0 (C)	0.886	0.000	2.17
		N2686/N2715	CF-60x2.0 (C)	1.140	0.000	2.79
		N2715/N2690	CF-60x2.0 (C)	0.853	0.000	2.09
		N2690/N2719	CF-60x2.0 (C)	1.140	0.000	2.79
		N2719/N2694	CF-60x2.0 (C)	0.853	0.000	2.09
		N2694/N2723	CF-60x2.0 (C)	1.140	0.000	2.79
		N2723/N2698	CF-60x2.0 (C)	0.853	0.000	2.09

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2698/N2727	CF-60x2.0 (C)	1.140	0.000	2.79
		N2727/N2702	CF-60x2.0 (C)	0.853	0.000	2.09
		N2334/N2363	CF-60x2.0 (C)	1.140	0.000	2.79
		N2363/N2338	CF-60x2.0 (C)	0.853	0.000	2.09
		N2338/N2367	CF-60x2.0 (C)	1.140	0.000	2.79
		N2367/N2342	CF-60x2.0 (C)	0.853	0.000	2.09
		N2342/N2371	CF-60x2.0 (C)	1.140	0.000	2.79
		N2371/N2346	CF-60x2.0 (C)	0.853	0.000	2.09
		N2346/N2375	CF-60x2.0 (C)	1.140	0.000	2.79
		N2375/N2350	CF-60x2.0 (C)	0.853	0.000	2.09
		N3382/N3408	CF-60x2.0 (C)	0.725	0.000	1.77
		N3382/N3411	CF-60x2.0 (C)	1.140	0.000	2.79
		N3411/N3386	CF-60x2.0 (C)	0.848	0.000	2.08
		N3386/N3415	CF-60x2.0 (C)	1.140	0.000	2.79
		N3415/N3390	CF-60x2.0 (C)	0.886	0.000	2.17
		N3030/N3056	CF-60x2.0 (C)	0.725	0.000	1.77
		N3030/N3059	CF-60x2.0 (C)	1.140	0.000	2.79
		N3059/N3034	CF-60x2.0 (C)	0.848	0.000	2.08
		N3034/N3063	CF-60x2.0 (C)	1.140	0.000	2.79
		N3063/N3038	CF-60x2.0 (C)	0.886	0.000	2.17
		N3390/N3419	CF-60x2.0 (C)	1.140	0.000	2.79
		N3419/N3394	CF-60x2.0 (C)	0.853	0.000	2.09
		N3394/N3423	CF-60x2.0 (C)	1.140	0.000	2.79
		N3423/N3398	CF-60x2.0 (C)	0.853	0.000	2.09
		N3398/N3427	CF-60x2.0 (C)	1.140	0.000	2.79
		N3427/N3402	CF-60x2.0 (C)	0.853	0.000	2.09
		N3402/N3431	CF-60x2.0 (C)	1.140	0.000	2.79
		N3431/N3406	CF-60x2.0 (C)	0.853	0.000	2.09
		N3038/N3067	CF-60x2.0 (C)	1.140	0.000	2.79
		N3067/N3042	CF-60x2.0 (C)	0.853	0.000	2.09
		N3042/N3071	CF-60x2.0 (C)	1.140	0.000	2.79
		N3071/N3046	CF-60x2.0 (C)	0.853	0.000	2.09
		N3046/N3075	CF-60x2.0 (C)	1.140	0.000	2.79
		N3075/N3050	CF-60x2.0 (C)	0.853	0.000	2.09
		N3050/N3079	CF-60x2.0 (C)	1.140	0.000	2.79
		N3079/N3054	CF-60x2.0 (C)	0.853	0.000	2.09
		N4086/N4112	CF-60x2.0 (C)	0.725	0.000	1.77
		N4086/N4115	CF-60x2.0 (C)	1.140	0.000	2.79
		N4115/N4090	CF-60x2.0 (C)	0.848	0.000	2.08
		N4090/N4119	CF-60x2.0 (C)	1.140	0.000	2.79
		N4119/N4094	CF-60x2.0 (C)	0.886	0.000	2.17
		N3734/N3760	CF-60x2.0 (C)	0.725	0.000	1.77
		N3734/N3763	CF-60x2.0 (C)	1.140	0.000	2.79
		N3763/N3738	CF-60x2.0 (C)	0.848	0.000	2.08
		N3738/N3767	CF-60x2.0 (C)	1.140	0.000	2.79
		N3767/N3742	CF-60x2.0 (C)	0.886	0.000	2.17
		N4094/N4123	CF-60x2.0 (C)	1.140	0.000	2.79
		N4123/N4098	CF-60x2.0 (C)	0.853	0.000	2.09
		N4098/N4127	CF-60x2.0 (C)	1.140	0.000	2.79
		N4127/N4102	CF-60x2.0 (C)	0.853	0.000	2.09
		N4102/N4131	CF-60x2.0 (C)	1.140	0.000	2.79
		N4131/N4106	CF-60x2.0 (C)	0.853	0.000	2.09
		N4106/N4135	CF-60x2.0 (C)	1.140	0.000	2.79
		N4135/N4110	CF-60x2.0 (C)	0.853	0.000	2.09
		N3742/N3771	CF-60x2.0 (C)	1.140	0.000	2.79
		N3771/N3746	CF-60x2.0 (C)	0.853	0.000	2.09
		N3746/N3775	CF-60x2.0 (C)	1.140	0.000	2.79
		N3775/N3750	CF-60x2.0 (C)	0.853	0.000	2.09
		N3750/N3779	CF-60x2.0 (C)	1.140	0.000	2.79
		N3779/N3754	CF-60x2.0 (C)	0.853	0.000	2.09
		N3754/N3783	CF-60x2.0 (C)	1.140	0.000	2.79
		N3783/N3758	CF-60x2.0 (C)	0.853	0.000	2.09
		N4790/N4816	CF-60x2.0 (C)	0.725	0.000	1.77
		N4790/N4819	CF-60x2.0 (C)	1.140	0.000	2.79
		N4819/N4794	CF-60x2.0 (C)	0.848	0.000	2.08
		N4794/N4823	CF-60x2.0 (C)	1.140	0.000	2.79
		N4823/N4798	CF-60x2.0 (C)	0.886	0.000	2.17
		N4438/N4464	CF-60x2.0 (C)	0.725	0.000	1.77
		N4438/N4467	CF-60x2.0 (C)	1.140	0.000	2.79
		N4467/N4442	CF-60x2.0 (C)	0.848	0.000	2.08
		N4442/N4471	CF-60x2.0 (C)	1.140	0.000	2.79
		N4471/N4446	CF-60x2.0 (C)	0.886	0.000	2.17
		N4798/N4827	CF-60x2.0 (C)	1.140	0.000	2.79
		N4827/N4802	CF-60x2.0 (C)	0.853	0.000	2.09
		N4802/N4831	CF-60x2.0 (C)	1.140	0.000	2.79
		N4831/N4806	CF-60x2.0 (C)	0.853	0.000	2.09
		N4806/N4835	CF-60x2.0 (C)	1.140	0.000	2.79
		N4835/N4810	CF-60x2.0 (C)	0.853	0.000	2.09
		N4810/N4839	CF-60x2.0 (C)	1.140	0.000	2.79
		N4839/N4814	CF-60x2.0 (C)	0.853	0.000	2.09
		N4446/N4475	CF-60x2.0 (C)	1.140	0.000	2.79
		N4475/N4450	CF-60x2.0 (C)	0.853	0.000	2.09
		N4450/N4479	CF-60x2.0 (C)	1.140	0.000	2.79
		N4479/N4454	CF-60x2.0 (C)	0.853	0.000	2.09
		N4454/N4483	CF-60x2.0 (C)	1.140	0.000	2.79
		N4483/N4458	CF-60x2.0 (C)	0.853	0.000	2.09
		N4458/N4487	CF-60x2.0 (C)	1.140	0.000	2.79
		N4487/N4462	CF-60x2.0 (C)	0.853	0.000	2.09
		N5271/N5096	CF-60x2.0 (C)	0.325	0.000	0.80
		N5271/N5099	CF-60x2.0 (C)	0.938	0.000	2.30
		N5099/N5275	CF-60x2.0 (C)	0.547	0.000	1.34
		N5275/N5103	CF-60x2.0 (C)	0.938	0.000	2.30
		N5103/N5279	CF-60x2.0 (C)	0.605	0.000	1.48
		N5279/N5107	CF-60x2.0 (C)	0.938	0.000	2.30
		N5107/N5283	CF-60x2.0 (C)	0.555	0.000	1.36
		N5283/N5111	CF-60x2.0 (C)	0.938	0.000	2.30

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N5111/N5287	CF-60x2.0 (C)	0.555	0.000	1.36
		N5287/N5115	CF-60x2.0 (C)	0.938	0.000	2.30
		N5115/N5291	CF-60x2.0 (C)	0.555	0.000	1.36
		N5291/N5119	CF-60x2.0 (C)	0.938	0.000	2.30
		N5119/N5295	CF-60x2.0 (C)	0.555	0.000	1.36
		N1179/N1195	CF-60x2.0 (C)	0.725	0.000	1.77
		N1179/N1197	CF-60x2.0 (C)	1.140	0.000	2.79
		N1197/N1182	CF-60x2.0 (C)	0.848	0.000	2.08
		N1182/N1200	CF-60x2.0 (C)	1.140	0.000	2.79
		N1200/N1097	CF-60x2.0 (C)	0.886	0.000	2.17
		N738/N758	CF-60x2.0 (C)	0.725	0.000	1.77
		N738/N760	CF-60x2.0 (C)	1.140	0.000	2.79
		N760/N741	CF-60x2.0 (C)	0.848	0.000	2.08
		N741/N763	CF-60x2.0 (C)	1.140	0.000	2.79
		N763/N744	CF-60x2.0 (C)	0.886	0.000	2.17
		N162/N182	CF-60x2.0 (C)	0.725	0.000	1.77
		N162/N184	CF-60x2.0 (C)	1.140	0.000	2.79
		N184/N165	CF-60x2.0 (C)	0.848	0.000	2.08
		N165/N187	CF-60x2.0 (C)	1.140	0.000	2.79
		N187/N168	CF-60x2.0 (C)	0.886	0.000	2.17
		N502/N494	CF-60x2.0 (C)	0.325	0.000	0.80
		N502/N496	CF-60x2.0 (C)	0.938	0.000	2.30
		N496/N505	CF-60x2.0 (C)	0.547	0.000	1.34
		N505/N499	CF-60x2.0 (C)	0.938	0.000	2.30
		N499/N325	CF-60x2.0 (C)	0.605	0.000	1.48
		N1097/N1202	CF-60x2.0 (C)	1.140	0.000	2.79
		N1202/N1189	CF-60x2.0 (C)	0.853	0.000	2.09
		N1189/N1204	CF-60x2.0 (C)	1.140	0.000	2.79
		N1204/N1104	CF-60x2.0 (C)	0.853	0.000	2.09
		N1104/N1209	CF-60x2.0 (C)	1.140	0.000	2.79
		N1209/N1190	CF-60x2.0 (C)	0.853	0.000	2.09
		N1190/N1208	CF-60x2.0 (C)	1.140	0.000	2.79
		N1208/N1113	CF-60x2.0 (C)	0.853	0.000	2.09
		N744/N766	CF-60x2.0 (C)	1.140	0.000	2.79
		N766/N747	CF-60x2.0 (C)	0.853	0.000	2.09
		N747/N769	CF-60x2.0 (C)	1.140	0.000	2.79
		N769/N750	CF-60x2.0 (C)	0.853	0.000	2.09
		N750/N772	CF-60x2.0 (C)	1.140	0.000	2.79
		N772/N753	CF-60x2.0 (C)	0.853	0.000	2.09
		N753/N775	CF-60x2.0 (C)	1.140	0.000	2.79
		N775/N756	CF-60x2.0 (C)	0.853	0.000	2.09
		N168/N190	CF-60x2.0 (C)	1.140	0.000	2.79
		N190/N171	CF-60x2.0 (C)	0.853	0.000	2.09
		N171/N193	CF-60x2.0 (C)	1.140	0.000	2.79
		N193/N174	CF-60x2.0 (C)	0.853	0.000	2.09
		N174/N196	CF-60x2.0 (C)	1.140	0.000	2.79
		N196/N177	CF-60x2.0 (C)	0.853	0.000	2.09
		N177/N199	CF-60x2.0 (C)	1.140	0.000	2.79
		N199/N180	CF-60x2.0 (C)	0.853	0.000	2.09
		N325/N514	CF-60x2.0 (C)	0.938	0.000	2.30
		N514/N510	CF-60x2.0 (C)	0.555	0.000	1.36
		N510/N517	CF-60x2.0 (C)	0.938	0.000	2.30
		N517/N333	CF-60x2.0 (C)	0.555	0.000	1.36
		N333/N525	CF-60x2.0 (C)	0.938	0.000	2.30
		N525/N521	CF-60x2.0 (C)	0.555	0.000	1.36
		N521/N528	CF-60x2.0 (C)	0.938	0.000	2.30
		N528/N341	CF-60x2.0 (C)	0.555	0.000	1.36
		N2159/N2175	CF-60x2.0 (C)	0.725	0.000	1.77
		N2159/N2177	CF-60x2.0 (C)	1.140	0.000	2.79
		N2177/N2162	CF-60x2.0 (C)	0.848	0.000	2.08
		N2162/N2180	CF-60x2.0 (C)	1.140	0.000	2.79
		N2180/N2077	CF-60x2.0 (C)	0.886	0.000	2.17
		N1807/N1823	CF-60x2.0 (C)	0.725	0.000	1.77
		N1807/N1825	CF-60x2.0 (C)	1.140	0.000	2.79
		N1825/N1810	CF-60x2.0 (C)	0.848	0.000	2.08
		N1810/N1828	CF-60x2.0 (C)	1.140	0.000	2.79
		N1828/N1725	CF-60x2.0 (C)	0.886	0.000	2.17
		N2077/N2182	CF-60x2.0 (C)	1.140	0.000	2.79
		N2182/N2169	CF-60x2.0 (C)	0.853	0.000	2.09
		N2169/N2184	CF-60x2.0 (C)	1.140	0.000	2.79
		N2184/N2084	CF-60x2.0 (C)	0.853	0.000	2.09
		N2084/N2189	CF-60x2.0 (C)	1.140	0.000	2.79
		N2189/N2170	CF-60x2.0 (C)	0.853	0.000	2.09
		N2170/N2188	CF-60x2.0 (C)	1.140	0.000	2.79
		N2188/N2093	CF-60x2.0 (C)	0.853	0.000	2.09
		N1725/N1830	CF-60x2.0 (C)	1.140	0.000	2.79
		N1830/N1817	CF-60x2.0 (C)	0.853	0.000	2.09
		N1817/N1832	CF-60x2.0 (C)	1.140	0.000	2.79
		N1832/N1732	CF-60x2.0 (C)	0.853	0.000	2.09
		N1732/N1837	CF-60x2.0 (C)	1.140	0.000	2.79
		N1837/N1818	CF-60x2.0 (C)	0.853	0.000	2.09
		N1818/N1836	CF-60x2.0 (C)	1.140	0.000	2.79
		N1836/N1741	CF-60x2.0 (C)	0.853	0.000	2.09
		N2863/N2879	CF-60x2.0 (C)	0.725	0.000	1.77
		N2863/N2881	CF-60x2.0 (C)	1.140	0.000	2.79
		N2881/N2866	CF-60x2.0 (C)	0.848	0.000	2.08
		N2866/N2884	CF-60x2.0 (C)	1.140	0.000	2.79
		N2884/N2781	CF-60x2.0 (C)	0.886	0.000	2.17
		N2511/N2527	CF-60x2.0 (C)	0.725	0.000	1.77
		N2511/N2529	CF-60x2.0 (C)	1.140	0.000	2.79
		N2529/N2514	CF-60x2.0 (C)	0.848	0.000	2.08
		N2514/N2532	CF-60x2.0 (C)	1.140	0.000	2.79
		N2532/N2429	CF-60x2.0 (C)	0.886	0.000	2.17
		N2781/N2886	CF-60x2.0 (C)	1.140	0.000	2.79
		N2886/N2873	CF-60x2.0 (C)	0.853	0.000	2.09
		N2873/N2888	CF-60x2.0 (C)	1.140	0.000	2.79

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2888/N2788	CF-60x2.0 (C)	0.853	0.000	2.09
		N2788/N2893	CF-60x2.0 (C)	1.140	0.000	2.79
		N2893/N2874	CF-60x2.0 (C)	0.853	0.000	2.09
		N2874/N2892	CF-60x2.0 (C)	1.140	0.000	2.79
		N2892/N2797	CF-60x2.0 (C)	0.853	0.000	2.09
		N2429/N2534	CF-60x2.0 (C)	1.140	0.000	2.79
		N2534/N2521	CF-60x2.0 (C)	0.853	0.000	2.09
		N2521/N2536	CF-60x2.0 (C)	1.140	0.000	2.79
		N2536/N2436	CF-60x2.0 (C)	0.853	0.000	2.09
		N2436/N2541	CF-60x2.0 (C)	1.140	0.000	2.79
		N2541/N2522	CF-60x2.0 (C)	0.853	0.000	2.09
		N2522/N2540	CF-60x2.0 (C)	1.140	0.000	2.79
		N2540/N2445	CF-60x2.0 (C)	0.853	0.000	2.09
		N3567/N3583	CF-60x2.0 (C)	0.725	0.000	1.77
		N3567/N3585	CF-60x2.0 (C)	1.140	0.000	2.79
		N3585/N3570	CF-60x2.0 (C)	0.848	0.000	2.08
		N3570/N3588	CF-60x2.0 (C)	1.140	0.000	2.79
		N3588/N3485	CF-60x2.0 (C)	0.886	0.000	2.17
		N3215/N3231	CF-60x2.0 (C)	0.725	0.000	1.77
		N3215/N3233	CF-60x2.0 (C)	1.140	0.000	2.79
		N3233/N3218	CF-60x2.0 (C)	0.848	0.000	2.08
		N3218/N3236	CF-60x2.0 (C)	1.140	0.000	2.79
		N3236/N3133	CF-60x2.0 (C)	0.886	0.000	2.17
		N3485/N3590	CF-60x2.0 (C)	1.140	0.000	2.79
		N3590/N3577	CF-60x2.0 (C)	0.853	0.000	2.09
		N3577/N3592	CF-60x2.0 (C)	1.140	0.000	2.79
		N3592/N3492	CF-60x2.0 (C)	0.853	0.000	2.09
		N3492/N3597	CF-60x2.0 (C)	1.140	0.000	2.79
		N3597/N3578	CF-60x2.0 (C)	0.853	0.000	2.09
		N3578/N3596	CF-60x2.0 (C)	1.140	0.000	2.79
		N3596/N3501	CF-60x2.0 (C)	0.853	0.000	2.09
		N3133/N3238	CF-60x2.0 (C)	1.140	0.000	2.79
		N3238/N3225	CF-60x2.0 (C)	0.853	0.000	2.09
		N3225/N3240	CF-60x2.0 (C)	1.140	0.000	2.79
		N3240/N3140	CF-60x2.0 (C)	0.853	0.000	2.09
		N3140/N3245	CF-60x2.0 (C)	1.140	0.000	2.79
		N3245/N3226	CF-60x2.0 (C)	0.853	0.000	2.09
		N3226/N3244	CF-60x2.0 (C)	1.140	0.000	2.79
		N3244/N3149	CF-60x2.0 (C)	0.853	0.000	2.09
		N4271/N4287	CF-60x2.0 (C)	0.725	0.000	1.77
		N4271/N4289	CF-60x2.0 (C)	1.140	0.000	2.79
		N4289/N4274	CF-60x2.0 (C)	0.848	0.000	2.08
		N4274/N4292	CF-60x2.0 (C)	1.140	0.000	2.79
		N4292/N4189	CF-60x2.0 (C)	0.886	0.000	2.17
		N3919/N3935	CF-60x2.0 (C)	0.725	0.000	1.77
		N3919/N3937	CF-60x2.0 (C)	1.140	0.000	2.79
		N3937/N3922	CF-60x2.0 (C)	0.848	0.000	2.08
		N3922/N3940	CF-60x2.0 (C)	1.140	0.000	2.79
		N3940/N3837	CF-60x2.0 (C)	0.886	0.000	2.17
		N4189/N4294	CF-60x2.0 (C)	1.140	0.000	2.79
		N4294/N4281	CF-60x2.0 (C)	0.853	0.000	2.09
		N4281/N4296	CF-60x2.0 (C)	1.140	0.000	2.79
		N4296/N4196	CF-60x2.0 (C)	0.853	0.000	2.09
		N4196/N4301	CF-60x2.0 (C)	1.140	0.000	2.79
		N4301/N4282	CF-60x2.0 (C)	0.853	0.000	2.09
		N4282/N4300	CF-60x2.0 (C)	1.140	0.000	2.79
		N4300/N4205	CF-60x2.0 (C)	0.853	0.000	2.09
		N3837/N3942	CF-60x2.0 (C)	1.140	0.000	2.79
		N3942/N3929	CF-60x2.0 (C)	0.853	0.000	2.09
		N3929/N3944	CF-60x2.0 (C)	1.140	0.000	2.79
		N3944/N3844	CF-60x2.0 (C)	0.853	0.000	2.09
		N3844/N3949	CF-60x2.0 (C)	1.140	0.000	2.79
		N3949/N3930	CF-60x2.0 (C)	0.853	0.000	2.09
		N3930/N3948	CF-60x2.0 (C)	1.140	0.000	2.79
		N3948/N3853	CF-60x2.0 (C)	0.853	0.000	2.09
		N4975/N4991	CF-60x2.0 (C)	0.725	0.000	1.77
		N4975/N4993	CF-60x2.0 (C)	1.140	0.000	2.79
		N4993/N4978	CF-60x2.0 (C)	0.848	0.000	2.08
		N4978/N4996	CF-60x2.0 (C)	1.140	0.000	2.79
		N4996/N4893	CF-60x2.0 (C)	0.886	0.000	2.17
		N4623/N4639	CF-60x2.0 (C)	0.725	0.000	1.77
		N4623/N4641	CF-60x2.0 (C)	1.140	0.000	2.79
		N4641/N4626	CF-60x2.0 (C)	0.848	0.000	2.08
		N4626/N4644	CF-60x2.0 (C)	1.140	0.000	2.79
		N4644/N4541	CF-60x2.0 (C)	0.886	0.000	2.17
		N4893/N4998	CF-60x2.0 (C)	1.140	0.000	2.79
		N4998/N4985	CF-60x2.0 (C)	0.853	0.000	2.09
		N4985/N5000	CF-60x2.0 (C)	1.140	0.000	2.79
		N5000/N4900	CF-60x2.0 (C)	0.853	0.000	2.09
		N4900/N5005	CF-60x2.0 (C)	1.140	0.000	2.79
		N5005/N4986	CF-60x2.0 (C)	0.853	0.000	2.09
		N4986/N5004	CF-60x2.0 (C)	1.140	0.000	2.79
		N5004/N4909	CF-60x2.0 (C)	0.853	0.000	2.09
		N4541/N4646	CF-60x2.0 (C)	1.140	0.000	2.79
		N4646/N4633	CF-60x2.0 (C)	0.853	0.000	2.09
		N4633/N4648	CF-60x2.0 (C)	1.140	0.000	2.79
		N4648/N4548	CF-60x2.0 (C)	0.853	0.000	2.09
		N4548/N4653	CF-60x2.0 (C)	1.140	0.000	2.79
		N4653/N4634	CF-60x2.0 (C)	0.853	0.000	2.09
		N4634/N4652	CF-60x2.0 (C)	1.140	0.000	2.79
		N4652/N4557	CF-60x2.0 (C)	0.853	0.000	2.09
		N5359/N5187	CF-60x2.0 (C)	0.325	0.000	0.80
		N5359/N5189	CF-60x2.0 (C)	0.938	0.000	2.30
		N5189/N5362	CF-60x2.0 (C)	0.547	0.000	1.34
		N5362/N5192	CF-60x2.0 (C)	0.938	0.000	2.30
		N5192/N5321	CF-60x2.0 (C)	0.605	0.000	1.48

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N5321/N5194	CF-60x2.0 (C)	0.938	0.000	2.30
		N5194/N5369	CF-60x2.0 (C)	0.555	0.000	1.36
		N5369/N5196	CF-60x2.0 (C)	0.938	0.000	2.30
		N5196/N5324	CF-60x2.0 (C)	0.555	0.000	1.36
		N5324/N5201	CF-60x2.0 (C)	0.938	0.000	2.30
		N5201/N5370	CF-60x2.0 (C)	0.555	0.000	1.36
		N5370/N5200	CF-60x2.0 (C)	0.938	0.000	2.30
		N5200/N5382	CF-60x2.0 (C)	0.555	0.000	1.36
		N1115/N1147	CF-60x2.0 (C)	0.725	0.000	1.77
		N1115/N1149	CF-60x2.0 (C)	1.140	0.000	2.79
		N1149/N1118	CF-60x2.0 (C)	0.848	0.000	2.08
		N1118/N1152	CF-60x2.0 (C)	1.140	0.000	2.79
		N1152/N1100	CF-60x2.0 (C)	0.886	0.000	2.17
		N778/N798	CF-60x2.0 (C)	0.725	0.000	1.77
		N778/N800	CF-60x2.0 (C)	1.140	0.000	2.79
		N800/N781	CF-60x2.0 (C)	0.848	0.000	2.08
		N781/N803	CF-60x2.0 (C)	1.140	0.000	2.79
		N803/N784	CF-60x2.0 (C)	0.886	0.000	2.17
		N202/N222	CF-60x2.0 (C)	0.725	0.000	1.77
		N202/N224	CF-60x2.0 (C)	1.140	0.000	2.79
		N224/N205	CF-60x2.0 (C)	0.848	0.000	2.08
		N205/N227	CF-60x2.0 (C)	1.140	0.000	2.79
		N227/N208	CF-60x2.0 (C)	0.886	0.000	2.17
		N539/N531	CF-60x2.0 (C)	0.325	0.000	0.80
		N539/N533	CF-60x2.0 (C)	0.938	0.000	2.30
		N533/N542	CF-60x2.0 (C)	0.547	0.000	1.34
		N542/N536	CF-60x2.0 (C)	0.938	0.000	2.30
		N536/N326	CF-60x2.0 (C)	0.605	0.000	1.48
		N1100/N1165	CF-60x2.0 (C)	1.140	0.000	2.79
		N1165/N1136	CF-60x2.0 (C)	0.853	0.000	2.09
		N1136/N1167	CF-60x2.0 (C)	1.140	0.000	2.79
		N1167/N1103	CF-60x2.0 (C)	0.853	0.000	2.09
		N1103/N1172	CF-60x2.0 (C)	1.140	0.000	2.79
		N1172/N1137	CF-60x2.0 (C)	0.853	0.000	2.09
		N1137/N1171	CF-60x2.0 (C)	1.140	0.000	2.79
		N1171/N1110	CF-60x2.0 (C)	0.853	0.000	2.09
		N784/N806	CF-60x2.0 (C)	1.140	0.000	2.79
		N806/N787	CF-60x2.0 (C)	0.853	0.000	2.09
		N787/N809	CF-60x2.0 (C)	1.140	0.000	2.79
		N809/N790	CF-60x2.0 (C)	0.853	0.000	2.09
		N790/N812	CF-60x2.0 (C)	1.140	0.000	2.79
		N812/N793	CF-60x2.0 (C)	0.853	0.000	2.09
		N793/N815	CF-60x2.0 (C)	1.140	0.000	2.79
		N815/N796	CF-60x2.0 (C)	0.853	0.000	2.09
		N208/N230	CF-60x2.0 (C)	1.140	0.000	2.79
		N230/N211	CF-60x2.0 (C)	0.853	0.000	2.09
		N211/N233	CF-60x2.0 (C)	1.140	0.000	2.79
		N233/N214	CF-60x2.0 (C)	0.853	0.000	2.09
		N214/N236	CF-60x2.0 (C)	1.140	0.000	2.79
		N236/N217	CF-60x2.0 (C)	0.853	0.000	2.09
		N217/N239	CF-60x2.0 (C)	1.140	0.000	2.79
		N239/N220	CF-60x2.0 (C)	0.853	0.000	2.09
		N326/N551	CF-60x2.0 (C)	0.938	0.000	2.30
		N551/N547	CF-60x2.0 (C)	0.555	0.000	1.36
		N547/N554	CF-60x2.0 (C)	0.938	0.000	2.30
		N554/N334	CF-60x2.0 (C)	0.555	0.000	1.36
		N334/N562	CF-60x2.0 (C)	0.938	0.000	2.30
		N562/N558	CF-60x2.0 (C)	0.555	0.000	1.36
		N558/N565	CF-60x2.0 (C)	0.938	0.000	2.30
		N565/N342	CF-60x2.0 (C)	0.555	0.000	1.36
		N2095/N2127	CF-60x2.0 (C)	0.725	0.000	1.77
		N2095/N2129	CF-60x2.0 (C)	1.140	0.000	2.79
		N2129/N2098	CF-60x2.0 (C)	0.848	0.000	2.08
		N2098/N2132	CF-60x2.0 (C)	1.140	0.000	2.79
		N2132/N2080	CF-60x2.0 (C)	0.886	0.000	2.17
		N1743/N1775	CF-60x2.0 (C)	0.725	0.000	1.77
		N1743/N1777	CF-60x2.0 (C)	1.140	0.000	2.79
		N1777/N1746	CF-60x2.0 (C)	0.848	0.000	2.08
		N1746/N1780	CF-60x2.0 (C)	1.140	0.000	2.79
		N1780/N1728	CF-60x2.0 (C)	0.886	0.000	2.17
		N2080/N2145	CF-60x2.0 (C)	1.140	0.000	2.79
		N2145/N2116	CF-60x2.0 (C)	0.853	0.000	2.09
		N2116/N2147	CF-60x2.0 (C)	1.140	0.000	2.79
		N2147/N2083	CF-60x2.0 (C)	0.853	0.000	2.09
		N2083/N2152	CF-60x2.0 (C)	1.140	0.000	2.79
		N2152/N2117	CF-60x2.0 (C)	0.853	0.000	2.09
		N2117/N2151	CF-60x2.0 (C)	1.140	0.000	2.79
		N2151/N2090	CF-60x2.0 (C)	0.853	0.000	2.09
		N1728/N1793	CF-60x2.0 (C)	1.140	0.000	2.79
		N1793/N1764	CF-60x2.0 (C)	0.853	0.000	2.09
		N1764/N1795	CF-60x2.0 (C)	1.140	0.000	2.79
		N1795/N1731	CF-60x2.0 (C)	0.853	0.000	2.09
		N1731/N1800	CF-60x2.0 (C)	1.140	0.000	2.79
		N1800/N1765	CF-60x2.0 (C)	0.853	0.000	2.09
		N1765/N1799	CF-60x2.0 (C)	1.140	0.000	2.79
		N1799/N1738	CF-60x2.0 (C)	0.853	0.000	2.09
		N2799/N2831	CF-60x2.0 (C)	0.725	0.000	1.77
		N2799/N2833	CF-60x2.0 (C)	1.140	0.000	2.79
		N2833/N2802	CF-60x2.0 (C)	0.848	0.000	2.08
		N2802/N2836	CF-60x2.0 (C)	1.140	0.000	2.79
		N2836/N2784	CF-60x2.0 (C)	0.886	0.000	2.17
		N2447/N2479	CF-60x2.0 (C)	0.725	0.000	1.77
		N2447/N2481	CF-60x2.0 (C)	1.140	0.000	2.79
		N2481/N2450	CF-60x2.0 (C)	0.848	0.000	2.08
		N2450/N2484	CF-60x2.0 (C)	1.140	0.000	2.79
		N2484/N2432	CF-60x2.0 (C)	0.886	0.000	2.17

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2784/N2849	CF-60x2.0 (C)	1.140	0.000	2.79
		N2849/N2820	CF-60x2.0 (C)	0.853	0.000	2.09
		N2820/N2851	CF-60x2.0 (C)	1.140	0.000	2.79
		N2851/N2787	CF-60x2.0 (C)	0.853	0.000	2.09
		N2787/N2856	CF-60x2.0 (C)	1.140	0.000	2.79
		N2856/N2821	CF-60x2.0 (C)	0.853	0.000	2.09
		N2821/N2855	CF-60x2.0 (C)	1.140	0.000	2.79
		N2855/N2794	CF-60x2.0 (C)	0.853	0.000	2.09
		N2432/N2497	CF-60x2.0 (C)	1.140	0.000	2.79
		N2497/N2468	CF-60x2.0 (C)	0.853	0.000	2.09
		N2468/N2499	CF-60x2.0 (C)	1.140	0.000	2.79
		N2499/N2435	CF-60x2.0 (C)	0.853	0.000	2.09
		N2435/N2504	CF-60x2.0 (C)	1.140	0.000	2.79
		N2504/N2469	CF-60x2.0 (C)	0.853	0.000	2.09
		N2469/N2503	CF-60x2.0 (C)	1.140	0.000	2.79
		N2503/N2442	CF-60x2.0 (C)	0.853	0.000	2.09
		N3503/N3535	CF-60x2.0 (C)	0.725	0.000	1.77
		N3503/N3537	CF-60x2.0 (C)	1.140	0.000	2.79
		N3537/N3506	CF-60x2.0 (C)	0.848	0.000	2.08
		N3506/N3540	CF-60x2.0 (C)	1.140	0.000	2.79
		N3540/N3488	CF-60x2.0 (C)	0.886	0.000	2.17
		N3151/N3183	CF-60x2.0 (C)	0.725	0.000	1.77
		N3151/N3185	CF-60x2.0 (C)	1.140	0.000	2.79
		N3185/N3154	CF-60x2.0 (C)	0.848	0.000	2.08
		N3154/N3188	CF-60x2.0 (C)	1.140	0.000	2.79
		N3188/N3136	CF-60x2.0 (C)	0.886	0.000	2.17
		N3488/N3553	CF-60x2.0 (C)	1.140	0.000	2.79
		N3553/N3524	CF-60x2.0 (C)	0.853	0.000	2.09
		N3524/N3555	CF-60x2.0 (C)	1.140	0.000	2.79
		N3555/N3491	CF-60x2.0 (C)	0.853	0.000	2.09
		N3491/N3560	CF-60x2.0 (C)	1.140	0.000	2.79
		N3560/N3525	CF-60x2.0 (C)	0.853	0.000	2.09
		N3525/N3559	CF-60x2.0 (C)	1.140	0.000	2.79
		N3559/N3498	CF-60x2.0 (C)	0.853	0.000	2.09
		N3136/N3201	CF-60x2.0 (C)	1.140	0.000	2.79
		N3201/N3172	CF-60x2.0 (C)	0.853	0.000	2.09
		N3172/N3203	CF-60x2.0 (C)	1.140	0.000	2.79
		N3203/N3139	CF-60x2.0 (C)	0.853	0.000	2.09
		N3139/N3208	CF-60x2.0 (C)	1.140	0.000	2.79
		N3208/N3173	CF-60x2.0 (C)	0.853	0.000	2.09
		N3173/N3207	CF-60x2.0 (C)	1.140	0.000	2.79
		N3207/N3146	CF-60x2.0 (C)	0.853	0.000	2.09
		N4207/N4239	CF-60x2.0 (C)	0.725	0.000	1.77
		N4207/N4241	CF-60x2.0 (C)	1.140	0.000	2.79
		N4241/N4210	CF-60x2.0 (C)	0.848	0.000	2.08
		N4210/N4244	CF-60x2.0 (C)	1.140	0.000	2.79
		N4244/N4192	CF-60x2.0 (C)	0.886	0.000	2.17
		N3855/N3887	CF-60x2.0 (C)	0.725	0.000	1.77
		N3855/N3889	CF-60x2.0 (C)	1.140	0.000	2.79
		N3889/N3858	CF-60x2.0 (C)	0.848	0.000	2.08
		N3858/N3892	CF-60x2.0 (C)	1.140	0.000	2.79
		N3892/N3840	CF-60x2.0 (C)	0.886	0.000	2.17
		N4192/N4257	CF-60x2.0 (C)	1.140	0.000	2.79
		N4257/N4228	CF-60x2.0 (C)	0.853	0.000	2.09
		N4228/N4259	CF-60x2.0 (C)	1.140	0.000	2.79
		N4259/N4195	CF-60x2.0 (C)	0.853	0.000	2.09
		N4195/N4264	CF-60x2.0 (C)	1.140	0.000	2.79
		N4264/N4229	CF-60x2.0 (C)	0.853	0.000	2.09
		N4229/N4263	CF-60x2.0 (C)	1.140	0.000	2.79
		N4263/N4202	CF-60x2.0 (C)	0.853	0.000	2.09
		N3840/N3905	CF-60x2.0 (C)	1.140	0.000	2.79
		N3905/N3876	CF-60x2.0 (C)	0.853	0.000	2.09
		N3876/N3907	CF-60x2.0 (C)	1.140	0.000	2.79
		N3907/N3843	CF-60x2.0 (C)	0.853	0.000	2.09
		N3843/N3912	CF-60x2.0 (C)	1.140	0.000	2.79
		N3912/N3877	CF-60x2.0 (C)	0.853	0.000	2.09
		N3877/N3911	CF-60x2.0 (C)	1.140	0.000	2.79
		N3911/N3850	CF-60x2.0 (C)	0.853	0.000	2.09
		N4911/N4943	CF-60x2.0 (C)	0.725	0.000	1.77
		N4911/N4945	CF-60x2.0 (C)	1.140	0.000	2.79
		N4945/N4914	CF-60x2.0 (C)	0.848	0.000	2.08
		N4914/N4948	CF-60x2.0 (C)	1.140	0.000	2.79
		N4948/N4896	CF-60x2.0 (C)	0.886	0.000	2.17
		N4559/N4591	CF-60x2.0 (C)	0.725	0.000	1.77
		N4559/N4593	CF-60x2.0 (C)	1.140	0.000	2.79
		N4593/N4562	CF-60x2.0 (C)	0.848	0.000	2.08
		N4562/N4596	CF-60x2.0 (C)	1.140	0.000	2.79
		N4596/N4544	CF-60x2.0 (C)	0.886	0.000	2.17
		N4896/N4961	CF-60x2.0 (C)	1.140	0.000	2.79
		N4961/N4932	CF-60x2.0 (C)	0.853	0.000	2.09
		N4932/N4963	CF-60x2.0 (C)	1.140	0.000	2.79
		N4963/N4899	CF-60x2.0 (C)	0.853	0.000	2.09
		N4899/N4968	CF-60x2.0 (C)	1.140	0.000	2.79
		N4968/N4933	CF-60x2.0 (C)	0.853	0.000	2.09
		N4933/N4967	CF-60x2.0 (C)	1.140	0.000	2.79
		N4967/N4906	CF-60x2.0 (C)	0.853	0.000	2.09
		N4544/N4609	CF-60x2.0 (C)	1.140	0.000	2.79
		N4609/N4580	CF-60x2.0 (C)	0.853	0.000	2.09
		N4580/N4611	CF-60x2.0 (C)	1.140	0.000	2.79
		N4611/N4547	CF-60x2.0 (C)	0.853	0.000	2.09
		N4547/N4616	CF-60x2.0 (C)	1.140	0.000	2.79
		N4616/N4581	CF-60x2.0 (C)	0.853	0.000	2.09
		N4581/N4615	CF-60x2.0 (C)	1.140	0.000	2.79
		N4615/N4554	CF-60x2.0 (C)	0.853	0.000	2.09
		N5327/N5155	CF-60x2.0 (C)	0.325	0.000	0.80
		N5327/N5157	CF-60x2.0 (C)	0.938	0.000	2.30

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N5157/N5330	CF-60x2.0 (C)	0.547	0.000	1.34
		N5330/N5160	CF-60x2.0 (C)	0.938	0.000	2.30
		N5160/N5322	CF-60x2.0 (C)	0.605	0.000	1.48
		N5322/N5173	CF-60x2.0 (C)	0.938	0.000	2.30
		N5173/N5348	CF-60x2.0 (C)	0.555	0.000	1.36
		N5348/N5175	CF-60x2.0 (C)	0.938	0.000	2.30
		N5175/N5325	CF-60x2.0 (C)	0.555	0.000	1.36
		N5325/N5180	CF-60x2.0 (C)	0.938	0.000	2.30
		N5180/N5349	CF-60x2.0 (C)	0.555	0.000	1.36
		N5349/N5179	CF-60x2.0 (C)	0.938	0.000	2.30
		N5179/N5390	CF-60x2.0 (C)	0.555	0.000	1.36
		N1058/N1078	CF-60x2.0 (C)	0.725	0.000	1.77
		N1058/N1080	CF-60x2.0 (C)	1.140	0.000	2.79
		N1080/N1061	CF-60x2.0 (C)	0.848	0.000	2.08
		N1061/N1083	CF-60x2.0 (C)	1.140	0.000	2.79
		N1083/N1064	CF-60x2.0 (C)	0.886	0.000	2.17
		N818/N838	CF-60x2.0 (C)	0.725	0.000	1.77
		N818/N840	CF-60x2.0 (C)	1.140	0.000	2.79
		N840/N821	CF-60x2.0 (C)	0.848	0.000	2.08
		N821/N843	CF-60x2.0 (C)	1.140	0.000	2.79
		N843/N824	CF-60x2.0 (C)	0.886	0.000	2.17
		N242/N262	CF-60x2.0 (C)	0.725	0.000	1.77
		N242/N264	CF-60x2.0 (C)	1.140	0.000	2.79
		N264/N245	CF-60x2.0 (C)	0.848	0.000	2.08
		N245/N267	CF-60x2.0 (C)	1.140	0.000	2.79
		N267/N248	CF-60x2.0 (C)	0.886	0.000	2.17
		N903/N897	CF-60x2.0 (C)	0.325	0.000	0.80
		N903/N899	CF-60x2.0 (C)	0.938	0.000	2.30
		N899/N906	CF-60x2.0 (C)	0.547	0.000	1.34
		N906/N902	CF-60x2.0 (C)	0.938	0.000	2.30
		N902/N327	CF-60x2.0 (C)	0.605	0.000	1.48
		N1064/N1086	CF-60x2.0 (C)	1.140	0.000	2.79
		N1086/N1067	CF-60x2.0 (C)	0.853	0.000	2.09
		N1067/N1089	CF-60x2.0 (C)	1.140	0.000	2.79
		N1089/N1070	CF-60x2.0 (C)	0.853	0.000	2.09
		N1070/N1092	CF-60x2.0 (C)	1.140	0.000	2.79
		N1092/N1073	CF-60x2.0 (C)	0.853	0.000	2.09
		N1073/N1095	CF-60x2.0 (C)	1.140	0.000	2.79
		N1095/N1076	CF-60x2.0 (C)	0.853	0.000	2.09
		N824/N846	CF-60x2.0 (C)	1.140	0.000	2.79
		N846/N827	CF-60x2.0 (C)	0.853	0.000	2.09
		N827/N849	CF-60x2.0 (C)	1.140	0.000	2.79
		N849/N830	CF-60x2.0 (C)	0.853	0.000	2.09
		N830/N852	CF-60x2.0 (C)	1.140	0.000	2.79
		N852/N833	CF-60x2.0 (C)	0.853	0.000	2.09
		N833/N855	CF-60x2.0 (C)	1.140	0.000	2.79
		N855/N836	CF-60x2.0 (C)	0.853	0.000	2.09
		N248/N270	CF-60x2.0 (C)	1.140	0.000	2.79
		N270/N251	CF-60x2.0 (C)	0.853	0.000	2.09
		N251/N273	CF-60x2.0 (C)	1.140	0.000	2.79
		N273/N254	CF-60x2.0 (C)	0.853	0.000	2.09
		N254/N276	CF-60x2.0 (C)	1.140	0.000	2.79
		N276/N257	CF-60x2.0 (C)	0.853	0.000	2.09
		N257/N279	CF-60x2.0 (C)	1.140	0.000	2.79
		N279/N260	CF-60x2.0 (C)	0.853	0.000	2.09
		N327/N576	CF-60x2.0 (C)	0.938	0.000	2.30
		N576/N572	CF-60x2.0 (C)	0.555	0.000	1.36
		N572/N579	CF-60x2.0 (C)	0.938	0.000	2.30
		N579/N335	CF-60x2.0 (C)	0.555	0.000	1.36
		N335/N587	CF-60x2.0 (C)	0.938	0.000	2.30
		N587/N583	CF-60x2.0 (C)	0.555	0.000	1.36
		N583/N590	CF-60x2.0 (C)	0.938	0.000	2.30
		N590/N343	CF-60x2.0 (C)	0.555	0.000	1.36
		N2026/N2052	CF-60x2.0 (C)	0.725	0.000	1.77
		N2026/N2055	CF-60x2.0 (C)	1.140	0.000	2.79
		N2055/N2030	CF-60x2.0 (C)	0.848	0.000	2.08
		N2030/N2059	CF-60x2.0 (C)	1.140	0.000	2.79
		N2059/N2034	CF-60x2.0 (C)	0.886	0.000	2.17
		N1674/N1700	CF-60x2.0 (C)	0.725	0.000	1.77
		N1674/N1703	CF-60x2.0 (C)	1.140	0.000	2.79
		N1703/N1678	CF-60x2.0 (C)	0.848	0.000	2.08
		N1678/N1707	CF-60x2.0 (C)	1.140	0.000	2.79
		N1707/N1682	CF-60x2.0 (C)	0.886	0.000	2.17
		N2034/N2063	CF-60x2.0 (C)	1.140	0.000	2.79
		N2063/N2038	CF-60x2.0 (C)	0.853	0.000	2.09
		N2038/N2067	CF-60x2.0 (C)	1.140	0.000	2.79
		N2067/N2042	CF-60x2.0 (C)	0.853	0.000	2.09
		N2042/N2071	CF-60x2.0 (C)	1.140	0.000	2.79
		N2071/N2046	CF-60x2.0 (C)	0.853	0.000	2.09
		N2046/N2075	CF-60x2.0 (C)	1.140	0.000	2.79
		N2075/N2050	CF-60x2.0 (C)	0.853	0.000	2.09
		N1682/N1711	CF-60x2.0 (C)	1.140	0.000	2.79
		N1711/N1686	CF-60x2.0 (C)	0.853	0.000	2.09
		N1686/N1715	CF-60x2.0 (C)	1.140	0.000	2.79
		N1715/N1690	CF-60x2.0 (C)	0.853	0.000	2.09
		N1690/N1719	CF-60x2.0 (C)	1.140	0.000	2.79
		N1719/N1694	CF-60x2.0 (C)	0.853	0.000	2.09
		N1694/N1723	CF-60x2.0 (C)	1.140	0.000	2.79
		N1723/N1698	CF-60x2.0 (C)	0.853	0.000	2.09
		N2730/N2756	CF-60x2.0 (C)	0.725	0.000	1.77
		N2730/N2759	CF-60x2.0 (C)	1.140	0.000	2.79
		N2759/N2734	CF-60x2.0 (C)	0.848	0.000	2.08
		N2734/N2763	CF-60x2.0 (C)	1.140	0.000	2.79
		N2763/N2738	CF-60x2.0 (C)	0.886	0.000	2.17
		N2378/N2404	CF-60x2.0 (C)	0.725	0.000	1.77
		N2378/N2407	CF-60x2.0 (C)	1.140	0.000	2.79

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2407/N2382	CF-60x2.0 (C)	0.848	0.000	2.08
		N2382/N2411	CF-60x2.0 (C)	1.140	0.000	2.79
		N2411/N2386	CF-60x2.0 (C)	0.886	0.000	2.17
		N2738/N2767	CF-60x2.0 (C)	1.140	0.000	2.79
		N2767/N2742	CF-60x2.0 (C)	0.853	0.000	2.09
		N2742/N2771	CF-60x2.0 (C)	1.140	0.000	2.79
		N2771/N2746	CF-60x2.0 (C)	0.853	0.000	2.09
		N2746/N2775	CF-60x2.0 (C)	1.140	0.000	2.79
		N2775/N2750	CF-60x2.0 (C)	0.853	0.000	2.09
		N2750/N2779	CF-60x2.0 (C)	1.140	0.000	2.79
		N2779/N2754	CF-60x2.0 (C)	0.853	0.000	2.09
		N2386/N2415	CF-60x2.0 (C)	1.140	0.000	2.79
		N2415/N2390	CF-60x2.0 (C)	0.853	0.000	2.09
		N2390/N2419	CF-60x2.0 (C)	1.140	0.000	2.79
		N2419/N2394	CF-60x2.0 (C)	0.853	0.000	2.09
		N2394/N2423	CF-60x2.0 (C)	1.140	0.000	2.79
		N2423/N2398	CF-60x2.0 (C)	0.853	0.000	2.09
		N2398/N2427	CF-60x2.0 (C)	1.140	0.000	2.79
		N2427/N2402	CF-60x2.0 (C)	0.853	0.000	2.09
		N3434/N3460	CF-60x2.0 (C)	0.725	0.000	1.77
		N3434/N3463	CF-60x2.0 (C)	1.140	0.000	2.79
		N3463/N3438	CF-60x2.0 (C)	0.848	0.000	2.08
		N3438/N3467	CF-60x2.0 (C)	1.140	0.000	2.79
		N3467/N3442	CF-60x2.0 (C)	0.886	0.000	2.17
		N3082/N3108	CF-60x2.0 (C)	0.725	0.000	1.77
		N3082/N3111	CF-60x2.0 (C)	1.140	0.000	2.79
		N3111/N3086	CF-60x2.0 (C)	0.848	0.000	2.08
		N3086/N3115	CF-60x2.0 (C)	1.140	0.000	2.79
		N3115/N3090	CF-60x2.0 (C)	0.886	0.000	2.17
		N3442/N3471	CF-60x2.0 (C)	1.140	0.000	2.79
		N3471/N3446	CF-60x2.0 (C)	0.853	0.000	2.09
		N3446/N3475	CF-60x2.0 (C)	1.140	0.000	2.79
		N3475/N3450	CF-60x2.0 (C)	0.853	0.000	2.09
		N3450/N3479	CF-60x2.0 (C)	1.140	0.000	2.79
		N3479/N3454	CF-60x2.0 (C)	0.853	0.000	2.09
		N3454/N3483	CF-60x2.0 (C)	1.140	0.000	2.79
		N3483/N3458	CF-60x2.0 (C)	0.853	0.000	2.09
		N3090/N3119	CF-60x2.0 (C)	1.140	0.000	2.79
		N3119/N3094	CF-60x2.0 (C)	0.853	0.000	2.09
		N3094/N3123	CF-60x2.0 (C)	1.140	0.000	2.79
		N3123/N3098	CF-60x2.0 (C)	0.853	0.000	2.09
		N3098/N3127	CF-60x2.0 (C)	1.140	0.000	2.79
		N3127/N3102	CF-60x2.0 (C)	0.853	0.000	2.09
		N3102/N3131	CF-60x2.0 (C)	1.140	0.000	2.79
		N3131/N3106	CF-60x2.0 (C)	0.853	0.000	2.09
		N4138/N4164	CF-60x2.0 (C)	0.725	0.000	1.77
		N4138/N4167	CF-60x2.0 (C)	1.140	0.000	2.79
		N4167/N4142	CF-60x2.0 (C)	0.848	0.000	2.08
		N4142/N4171	CF-60x2.0 (C)	1.140	0.000	2.79
		N4171/N4146	CF-60x2.0 (C)	0.886	0.000	2.17
		N3786/N3812	CF-60x2.0 (C)	0.725	0.000	1.77
		N3786/N3815	CF-60x2.0 (C)	1.140	0.000	2.79
		N3815/N3790	CF-60x2.0 (C)	0.848	0.000	2.08
		N3790/N3819	CF-60x2.0 (C)	1.140	0.000	2.79
		N3819/N3794	CF-60x2.0 (C)	0.886	0.000	2.17
		N4146/N4175	CF-60x2.0 (C)	1.140	0.000	2.79
		N4175/N4150	CF-60x2.0 (C)	0.853	0.000	2.09
		N4150/N4179	CF-60x2.0 (C)	1.140	0.000	2.79
		N4179/N4154	CF-60x2.0 (C)	0.853	0.000	2.09
		N4154/N4183	CF-60x2.0 (C)	1.140	0.000	2.79
		N4183/N4158	CF-60x2.0 (C)	0.853	0.000	2.09
		N4158/N4187	CF-60x2.0 (C)	1.140	0.000	2.79
		N4187/N4162	CF-60x2.0 (C)	0.853	0.000	2.09
		N3794/N3823	CF-60x2.0 (C)	1.140	0.000	2.79
		N3823/N3798	CF-60x2.0 (C)	0.853	0.000	2.09
		N3798/N3827	CF-60x2.0 (C)	1.140	0.000	2.79
		N3827/N3802	CF-60x2.0 (C)	0.853	0.000	2.09
		N3802/N3831	CF-60x2.0 (C)	1.140	0.000	2.79
		N3831/N3806	CF-60x2.0 (C)	0.853	0.000	2.09
		N3806/N3835	CF-60x2.0 (C)	1.140	0.000	2.79
		N3835/N3810	CF-60x2.0 (C)	0.853	0.000	2.09
		N4842/N4868	CF-60x2.0 (C)	0.725	0.000	1.77
		N4842/N4871	CF-60x2.0 (C)	1.140	0.000	2.79
		N4871/N4846	CF-60x2.0 (C)	0.848	0.000	2.08
		N4846/N4875	CF-60x2.0 (C)	1.140	0.000	2.79
		N4875/N4850	CF-60x2.0 (C)	0.886	0.000	2.17
		N4490/N4516	CF-60x2.0 (C)	0.725	0.000	1.77
		N4490/N4519	CF-60x2.0 (C)	1.140	0.000	2.79
		N4519/N4494	CF-60x2.0 (C)	0.848	0.000	2.08
		N4494/N4523	CF-60x2.0 (C)	1.140	0.000	2.79
		N4523/N4498	CF-60x2.0 (C)	0.886	0.000	2.17
		N4850/N4879	CF-60x2.0 (C)	1.140	0.000	2.79
		N4879/N4854	CF-60x2.0 (C)	0.853	0.000	2.09
		N4854/N4883	CF-60x2.0 (C)	1.140	0.000	2.79
		N4883/N4858	CF-60x2.0 (C)	0.853	0.000	2.09
		N4858/N4887	CF-60x2.0 (C)	1.140	0.000	2.79
		N4887/N4862	CF-60x2.0 (C)	0.853	0.000	2.09
		N4862/N4891	CF-60x2.0 (C)	1.140	0.000	2.79
		N4891/N4866	CF-60x2.0 (C)	0.853	0.000	2.09
		N4498/N4527	CF-60x2.0 (C)	1.140	0.000	2.79
		N4527/N4502	CF-60x2.0 (C)	0.853	0.000	2.09
		N4502/N4531	CF-60x2.0 (C)	1.140	0.000	2.79
		N4531/N4506	CF-60x2.0 (C)	0.853	0.000	2.09
		N4506/N4535	CF-60x2.0 (C)	1.140	0.000	2.79
		N4535/N4510	CF-60x2.0 (C)	0.853	0.000	2.09
		N4510/N4539	CF-60x2.0 (C)	1.140	0.000	2.79

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N4539/N4514	CF-60x2.0 (C)	0.853	0.000	2.09
		N5297/N5122	CF-60x2.0 (C)	0.325	0.000	0.80
		N5297/N5125	CF-60x2.0 (C)	0.938	0.000	2.30
		N5125/N5301	CF-60x2.0 (C)	0.547	0.000	1.34
		N5301/N5129	CF-60x2.0 (C)	0.938	0.000	2.30
		N5129/N5305	CF-60x2.0 (C)	0.605	0.000	1.48
		N5305/N5133	CF-60x2.0 (C)	0.938	0.000	2.30
		N5133/N5309	CF-60x2.0 (C)	0.555	0.000	1.36
		N5309/N5137	CF-60x2.0 (C)	0.938	0.000	2.30
		N5137/N5313	CF-60x2.0 (C)	0.555	0.000	1.36
		N5313/N5141	CF-60x2.0 (C)	0.938	0.000	2.30
		N5141/N5317	CF-60x2.0 (C)	0.555	0.000	1.36
		N5317/N5144	CF-60x2.0 (C)	0.938	0.000	2.30
		N5144/N5320	CF-60x2.0 (C)	0.555	0.000	1.36
		N122/N142	CF-60x2.0 (C)	0.725	0.000	1.77
		N122/N144	CF-60x2.0 (C)	1.140	0.000	2.79
		N144/N125	CF-60x2.0 (C)	0.848	0.000	2.08
		N125/N147	CF-60x2.0 (C)	1.140	0.000	2.79
		N147/N128	CF-60x2.0 (C)	0.886	0.000	2.17
		N465/N457	CF-60x2.0 (C)	0.325	0.000	0.80
		N465/N459	CF-60x2.0 (C)	0.938	0.000	2.30
		N459/N468	CF-60x2.0 (C)	0.547	0.000	1.34
		N468/N462	CF-60x2.0 (C)	0.938	0.000	2.30
		N462/N324	CF-60x2.0 (C)	0.605	0.000	1.48
		N128/N150	CF-60x2.0 (C)	1.140	0.000	2.79
		N150/N131	CF-60x2.0 (C)	0.853	0.000	2.09
		N324/N477	CF-60x2.0 (C)	0.938	0.000	2.30
		N477/N473	CF-60x2.0 (C)	0.555	0.000	1.36
		N473/N480	CF-60x2.0 (C)	0.938	0.000	2.30
		N480/N332	CF-60x2.0 (C)	0.555	0.000	1.36
		N131/N153	CF-60x2.0 (C)	1.140	0.000	2.79
		N153/N134	CF-60x2.0 (C)	0.853	0.000	2.09
		N332/N488	CF-60x2.0 (C)	0.938	0.000	2.30
		N488/N484	CF-60x2.0 (C)	0.555	0.000	1.36
		N134/N156	CF-60x2.0 (C)	1.140	0.000	2.79
		N156/N137	CF-60x2.0 (C)	0.853	0.000	2.09
		N484/N491	CF-60x2.0 (C)	0.938	0.000	2.30
		N491/N340	CF-60x2.0 (C)	0.555	0.000	1.36
		N137/N159	CF-60x2.0 (C)	1.140	0.000	2.79
		N159/N140	CF-60x2.0 (C)	0.853	0.000	2.09
		N1121/N1153	CF-60x2.0 (C)	0.725	0.000	1.77
		N1121/N1155	CF-60x2.0 (C)	1.140	0.000	2.79
		N1155/N1124	CF-60x2.0 (C)	0.848	0.000	2.08
		N1124/N1158	CF-60x2.0 (C)	1.140	0.000	2.79
		N1158/N1102	CF-60x2.0 (C)	0.886	0.000	2.17
		N858/N878	CF-60x2.0 (C)	0.725	0.000	1.77
		N858/N880	CF-60x2.0 (C)	1.140	0.000	2.79
		N880/N861	CF-60x2.0 (C)	0.848	0.000	2.08
		N861/N883	CF-60x2.0 (C)	1.140	0.000	2.79
		N883/N864	CF-60x2.0 (C)	0.886	0.000	2.17
		N282/N302	CF-60x2.0 (C)	0.725	0.000	1.77
		N282/N304	CF-60x2.0 (C)	1.140	0.000	2.79
		N304/N285	CF-60x2.0 (C)	0.848	0.000	2.08
		N285/N307	CF-60x2.0 (C)	1.140	0.000	2.79
		N307/N288	CF-60x2.0 (C)	0.886	0.000	2.17
		N5400/N5399	CF-60x2.0 (C)	0.325	0.000	0.80
		N5400/N5401	CF-60x2.0 (C)	0.938	0.000	2.30
		N5401/N5402	CF-60x2.0 (C)	0.547	0.000	1.34
		N5402/N5403	CF-60x2.0 (C)	0.938	0.000	2.30
		N5403/N328	CF-60x2.0 (C)	0.605	0.000	1.48
		N1102/N1160	CF-60x2.0 (C)	1.140	0.000	2.79
		N1160/N1131	CF-60x2.0 (C)	0.853	0.000	2.09
		N1131/N1162	CF-60x2.0 (C)	1.140	0.000	2.79
		N1162/N1107	CF-60x2.0 (C)	0.853	0.000	2.09
		N1107/N1178	CF-60x2.0 (C)	1.140	0.000	2.79
		N1178/N1142	CF-60x2.0 (C)	0.853	0.000	2.09
		N1142/N1175	CF-60x2.0 (C)	1.140	0.000	2.79
		N1175/N1111	CF-60x2.0 (C)	0.853	0.000	2.09
		N864/N886	CF-60x2.0 (C)	1.140	0.000	2.79
		N886/N867	CF-60x2.0 (C)	0.853	0.000	2.09
		N867/N889	CF-60x2.0 (C)	1.140	0.000	2.79
		N889/N870	CF-60x2.0 (C)	0.853	0.000	2.09
		N870/N892	CF-60x2.0 (C)	1.140	0.000	2.79
		N892/N873	CF-60x2.0 (C)	0.853	0.000	2.09
		N873/N895	CF-60x2.0 (C)	1.140	0.000	2.79
		N895/N876	CF-60x2.0 (C)	0.853	0.000	2.09
		N288/N310	CF-60x2.0 (C)	1.140	0.000	2.79
		N310/N291	CF-60x2.0 (C)	0.853	0.000	2.09
		N291/N313	CF-60x2.0 (C)	1.140	0.000	2.79
		N313/N294	CF-60x2.0 (C)	0.853	0.000	2.09
		N294/N316	CF-60x2.0 (C)	1.140	0.000	2.79
		N316/N297	CF-60x2.0 (C)	0.853	0.000	2.09
		N297/N319	CF-60x2.0 (C)	1.140	0.000	2.79
		N319/N300	CF-60x2.0 (C)	0.853	0.000	2.09
		N328/N601	CF-60x2.0 (C)	0.938	0.000	2.30
		N601/N597	CF-60x2.0 (C)	0.555	0.000	1.36
		N597/N604	CF-60x2.0 (C)	0.938	0.000	2.30
		N604/N336	CF-60x2.0 (C)	0.555	0.000	1.36
		N336/N612	CF-60x2.0 (C)	0.938	0.000	2.30
		N612/N608	CF-60x2.0 (C)	0.555	0.000	1.36
		N608/N615	CF-60x2.0 (C)	0.938	0.000	2.30
		N615/N344	CF-60x2.0 (C)	0.555	0.000	1.36
		N2101/N2133	CF-60x2.0 (C)	0.725	0.000	1.77
		N2101/N2135	CF-60x2.0 (C)	1.140	0.000	2.79
		N2135/N2104	CF-60x2.0 (C)	0.848	0.000	2.08
		N2104/N2138	CF-60x2.0 (C)	1.140	0.000	2.79

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N2138/N2082	CF-60x2.0 (C)	0.886	0.000	2.17
		N1749/N1781	CF-60x2.0 (C)	0.725	0.000	1.77
		N1749/N1783	CF-60x2.0 (C)	1.140	0.000	2.79
		N1783/N1752	CF-60x2.0 (C)	0.848	0.000	2.08
		N1752/N1786	CF-60x2.0 (C)	1.140	0.000	2.79
		N1786/N1730	CF-60x2.0 (C)	0.886	0.000	2.17
		N2082/N2140	CF-60x2.0 (C)	1.140	0.000	2.79
		N2140/N2111	CF-60x2.0 (C)	0.853	0.000	2.09
		N2111/N2142	CF-60x2.0 (C)	1.140	0.000	2.79
		N2142/N2087	CF-60x2.0 (C)	0.853	0.000	2.09
		N2087/N2158	CF-60x2.0 (C)	1.140	0.000	2.79
		N2158/N2122	CF-60x2.0 (C)	0.853	0.000	2.09
		N2122/N2155	CF-60x2.0 (C)	1.140	0.000	2.79
		N2155/N2091	CF-60x2.0 (C)	0.853	0.000	2.09
		N1730/N1788	CF-60x2.0 (C)	1.140	0.000	2.79
		N1788/N1759	CF-60x2.0 (C)	0.853	0.000	2.09
		N1759/N1790	CF-60x2.0 (C)	1.140	0.000	2.79
		N1790/N1735	CF-60x2.0 (C)	0.853	0.000	2.09
		N1735/N1806	CF-60x2.0 (C)	1.140	0.000	2.79
		N1806/N1770	CF-60x2.0 (C)	0.853	0.000	2.09
		N1770/N1803	CF-60x2.0 (C)	1.140	0.000	2.79
		N1803/N1739	CF-60x2.0 (C)	0.853	0.000	2.09
		N2805/N2837	CF-60x2.0 (C)	0.725	0.000	1.77
		N2805/N2839	CF-60x2.0 (C)	1.140	0.000	2.79
		N2839/N2808	CF-60x2.0 (C)	0.848	0.000	2.08
		N2808/N2842	CF-60x2.0 (C)	1.140	0.000	2.79
		N2842/N2786	CF-60x2.0 (C)	0.886	0.000	2.17
		N2453/N2485	CF-60x2.0 (C)	0.725	0.000	1.77
		N2453/N2487	CF-60x2.0 (C)	1.140	0.000	2.79
		N2487/N2456	CF-60x2.0 (C)	0.848	0.000	2.08
		N2456/N2490	CF-60x2.0 (C)	1.140	0.000	2.79
		N2490/N2434	CF-60x2.0 (C)	0.886	0.000	2.17
		N2786/N2844	CF-60x2.0 (C)	1.140	0.000	2.79
		N2844/N2815	CF-60x2.0 (C)	0.853	0.000	2.09
		N2815/N2846	CF-60x2.0 (C)	1.140	0.000	2.79
		N2846/N2791	CF-60x2.0 (C)	0.853	0.000	2.09
		N2791/N2862	CF-60x2.0 (C)	1.140	0.000	2.79
		N2862/N2826	CF-60x2.0 (C)	0.853	0.000	2.09
		N2826/N2859	CF-60x2.0 (C)	1.140	0.000	2.79
		N2859/N2795	CF-60x2.0 (C)	0.853	0.000	2.09
		N2434/N2492	CF-60x2.0 (C)	1.140	0.000	2.79
		N2492/N2463	CF-60x2.0 (C)	0.853	0.000	2.09
		N2463/N2494	CF-60x2.0 (C)	1.140	0.000	2.79
		N2494/N2439	CF-60x2.0 (C)	0.853	0.000	2.09
		N2439/N2510	CF-60x2.0 (C)	1.140	0.000	2.79
		N2510/N2474	CF-60x2.0 (C)	0.853	0.000	2.09
		N2474/N2507	CF-60x2.0 (C)	1.140	0.000	2.79
		N2507/N2443	CF-60x2.0 (C)	0.853	0.000	2.09
		N3509/N3541	CF-60x2.0 (C)	0.725	0.000	1.77
		N3509/N3543	CF-60x2.0 (C)	1.140	0.000	2.79
		N3543/N3512	CF-60x2.0 (C)	0.848	0.000	2.08
		N3512/N3546	CF-60x2.0 (C)	1.140	0.000	2.79
		N3546/N3490	CF-60x2.0 (C)	0.886	0.000	2.17
		N3157/N3189	CF-60x2.0 (C)	0.725	0.000	1.77
		N3157/N3191	CF-60x2.0 (C)	1.140	0.000	2.79
		N3191/N3160	CF-60x2.0 (C)	0.848	0.000	2.08
		N3160/N3194	CF-60x2.0 (C)	1.140	0.000	2.79
		N3194/N3138	CF-60x2.0 (C)	0.886	0.000	2.17
		N3490/N3548	CF-60x2.0 (C)	1.140	0.000	2.79
		N3548/N3519	CF-60x2.0 (C)	0.853	0.000	2.09
		N3519/N3550	CF-60x2.0 (C)	1.140	0.000	2.79
		N3550/N3495	CF-60x2.0 (C)	0.853	0.000	2.09
		N3495/N3566	CF-60x2.0 (C)	1.140	0.000	2.79
		N3566/N3530	CF-60x2.0 (C)	0.853	0.000	2.09
		N3530/N3563	CF-60x2.0 (C)	1.140	0.000	2.79
		N3563/N3499	CF-60x2.0 (C)	0.853	0.000	2.09
		N3138/N3196	CF-60x2.0 (C)	1.140	0.000	2.79
		N3196/N3167	CF-60x2.0 (C)	0.853	0.000	2.09
		N3167/N3198	CF-60x2.0 (C)	1.140	0.000	2.79
		N3198/N3143	CF-60x2.0 (C)	0.853	0.000	2.09
		N3143/N3214	CF-60x2.0 (C)	1.140	0.000	2.79
		N3214/N3178	CF-60x2.0 (C)	0.853	0.000	2.09
		N3178/N3211	CF-60x2.0 (C)	1.140	0.000	2.79
		N3211/N3147	CF-60x2.0 (C)	0.853	0.000	2.09
		N4213/N4245	CF-60x2.0 (C)	0.725	0.000	1.77
		N4213/N4247	CF-60x2.0 (C)	1.140	0.000	2.79
		N4247/N4216	CF-60x2.0 (C)	0.848	0.000	2.08
		N4216/N4250	CF-60x2.0 (C)	1.140	0.000	2.79
		N4250/N4194	CF-60x2.0 (C)	0.886	0.000	2.17
		N3861/N3893	CF-60x2.0 (C)	0.725	0.000	1.77
		N3861/N3895	CF-60x2.0 (C)	1.140	0.000	2.79
		N3895/N3864	CF-60x2.0 (C)	0.848	0.000	2.08
		N3864/N3898	CF-60x2.0 (C)	1.140	0.000	2.79
		N3898/N3842	CF-60x2.0 (C)	0.886	0.000	2.17
		N4194/N4252	CF-60x2.0 (C)	1.140	0.000	2.79
		N4252/N4223	CF-60x2.0 (C)	0.853	0.000	2.09
		N4223/N4254	CF-60x2.0 (C)	1.140	0.000	2.79
		N4254/N4199	CF-60x2.0 (C)	0.853	0.000	2.09
		N4199/N4270	CF-60x2.0 (C)	1.140	0.000	2.79
		N4270/N4234	CF-60x2.0 (C)	0.853	0.000	2.09
		N4234/N4267	CF-60x2.0 (C)	1.140	0.000	2.79
		N4267/N4203	CF-60x2.0 (C)	0.853	0.000	2.09
		N3842/N3900	CF-60x2.0 (C)	1.140	0.000	2.79
		N3900/N3871	CF-60x2.0 (C)	0.853	0.000	2.09
		N3871/N3902	CF-60x2.0 (C)	1.140	0.000	2.79
		N3902/N3847	CF-60x2.0 (C)	0.853	0.000	2.09

Tabla de medición

Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m^3)	Peso (kg)
Tipo	Designación					
		N3847/N3918	CF-60x2.0 (C)	1.140	0.000	2.79
		N3918/N3882	CF-60x2.0 (C)	0.853	0.000	2.09
		N3882/N3915	CF-60x2.0 (C)	1.140	0.000	2.79
		N3915/N3851	CF-60x2.0 (C)	0.853	0.000	2.09
		N4917/N4949	CF-60x2.0 (C)	0.725	0.000	1.77
		N4917/N4951	CF-60x2.0 (C)	1.140	0.000	2.79
		N4951/N4920	CF-60x2.0 (C)	0.848	0.000	2.08
		N4920/N4954	CF-60x2.0 (C)	1.140	0.000	2.79
		N4954/N4898	CF-60x2.0 (C)	0.886	0.000	2.17
		N4565/N4597	CF-60x2.0 (C)	0.725	0.000	1.77
		N4565/N4599	CF-60x2.0 (C)	1.140	0.000	2.79
		N4599/N4568	CF-60x2.0 (C)	0.848	0.000	2.08
		N4568/N4602	CF-60x2.0 (C)	1.140	0.000	2.79
		N4602/N4546	CF-60x2.0 (C)	0.886	0.000	2.17
		N4898/N4956	CF-60x2.0 (C)	1.140	0.000	2.79
		N4956/N4927	CF-60x2.0 (C)	0.853	0.000	2.09
		N4927/N4958	CF-60x2.0 (C)	1.140	0.000	2.79
		N4958/N4903	CF-60x2.0 (C)	0.853	0.000	2.09
		N4903/N4974	CF-60x2.0 (C)	1.140	0.000	2.79
		N4974/N4938	CF-60x2.0 (C)	0.853	0.000	2.09
		N4938/N4971	CF-60x2.0 (C)	1.140	0.000	2.79
		N4971/N4907	CF-60x2.0 (C)	0.853	0.000	2.09
		N4546/N4604	CF-60x2.0 (C)	1.140	0.000	2.79
		N4604/N4575	CF-60x2.0 (C)	0.853	0.000	2.09
		N4575/N4606	CF-60x2.0 (C)	1.140	0.000	2.79
		N4606/N4551	CF-60x2.0 (C)	0.853	0.000	2.09
		N4551/N4622	CF-60x2.0 (C)	1.140	0.000	2.79
		N4622/N4586	CF-60x2.0 (C)	0.853	0.000	2.09
		N4586/N4619	CF-60x2.0 (C)	1.140	0.000	2.79
		N4619/N4555	CF-60x2.0 (C)	0.853	0.000	2.09
		N5333/N5161	CF-60x2.0 (C)	0.325	0.000	0.80
		N5333/N5163	CF-60x2.0 (C)	0.938	0.000	2.30
		N5163/N5336	CF-60x2.0 (C)	0.547	0.000	1.34
		N5336/N5166	CF-60x2.0 (C)	0.938	0.000	2.30
		N5166/N5323	CF-60x2.0 (C)	0.605	0.000	1.48
		N5323/N5168	CF-60x2.0 (C)	0.938	0.000	2.30
		N5168/N5343	CF-60x2.0 (C)	0.555	0.000	1.36
		N5343/N5170	CF-60x2.0 (C)	0.938	0.000	2.30
		N5170/N5326	CF-60x2.0 (C)	0.555	0.000	1.36
		N5326/N5186	CF-60x2.0 (C)	0.938	0.000	2.30
		N5186/N5354	CF-60x2.0 (C)	0.555	0.000	1.36
		N5354/N5183	CF-60x2.0 (C)	0.938	0.000	2.30
		N5183/N5398	CF-60x2.0 (C)	0.555	0.000	1.36

Notación:
Ni: Nudo inicial
Nf: Nudo final

1.1.1.4. Resumen de medición

Resumen de medición

Material		Serie	Perfil	Longitud			Volumen			Peso		
Tipo	Designación			Perfil (m)	Serie (m)	Material (m)	Perfil (m^3)	Serie (m^3)	Material (m^3)	Perfil (kg)	Serie (kg)	Material (kg)
			G 100x50x25x130x2.0	1733.400			1.015			7971.15		
		G			1733.400			1.015			7971.15	
			40x80x2	1353.550			0.614			4818.15		
			40x60x1.5	5406.280			1.541			12098.16		
		#			6759.830			2.155			16916.31	
			150x50x4.0	8.860			0.013			104.87		
			120x60x2	31.626			0.022			171.67		
		Rectangular_Colmmmena			40.486			0.035			276.55	
			100x100x4.0	8.220			0.012			96.45		
			75X75X3.0	0.360			0.000			2.38		
			100x100x6.0	4.110			0.009			70.48		
		Tubo_Cuadrado_Colmena			12.690			0.022			169.30	
			CF-60x2.0	1309.556			0.408			3204.28		
		C			1309.556			0.408			3204.28	
Acero conformado	A572 50ksi					9855.962			3.635			28537.59

ÍNDICE

1. ESTRUCTURA 2

1.1. Resultados 2

1.1.1. Barras 2

1. ESTRUCTURA

1.1. Resultados

1.1.1. Barras

1.1.1.1. Flechas

Referencias:

Pos.: Valor de la coordenada sobre el eje 'X' local del grupo de flecha en el punto donde se produce el valor pésimo de la flecha.
L.: Distancia entre dos puntos de corte consecutivos de la deformada con la recta que une los nudos extremos del grupo de flecha.

Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1/N8	1.610 1.610	0.12 L/(>1000)	2.485 2.485	0.11 L/(>1000)	1.610 1.610	0.12 L/(>1000)	2.485 2.485	0.11 L/(>1000)
N8/N14	1.330 1.330	0.07 L/(>1000)	0.220 2.395	0.11 L/(>1000)	1.330 1.330	0.07 L/(>1000)	0.220 2.395	0.11 L/(>1000)
N14/N20	1.330 0.220	0.02 L/(>1000)	0.220 0.220	0.09 L/(>1000)	1.330 0.220	0.02 L/(>1000)	0.220 0.220	0.09 L/(>1000)
N21/N28	2.050 2.050	0.02 L/(>1000)	2.270 2.270	0.15 L/(>1000)	2.050 2.050	0.02 L/(>1000)	2.270 2.270	0.15 L/(>1000)
N28/N34	1.990 1.990	0.01 L/(>1000)	2.210 0.220	0.13 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.220	0.13 L/(>1000)
N34/N40	0.880 0.880	0.01 L/(>1000)	0.220 0.220	0.11 L/(>1000)	0.880 0.880	0.01 L/(>1000)	0.220 0.220	0.11 L/(>1000)
N41/N48	1.610 1.610	0.17 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.17 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N48/N54	1.990 1.990	0.10 L/(>1000)	1.770 1.770	0.01 L/(>1000)	1.990 1.990	0.10 L/(>1000)	1.770 1.770	0.01 L/(>1000)
N54/N60	0.660 0.660	0.05 L/(>1000)	0.880 0.880	0.02 L/(>1000)	0.880 0.660	0.05 L/(>1000)	0.880 0.880	0.02 L/(>1000)
N61/N68	2.015 2.015	0.05 L/(>1000)	1.610 1.610	0.26 L/(>1000)	2.015 2.015	0.05 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N68/N74	0.625 2.210	0.04 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 2.210	0.04 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N74/N80	0.440 0.440	0.02 L/(>1000)	1.330 0.220	0.04 L/(>1000)	0.440 0.440	0.02 L/(>1000)	1.330 0.220	0.04 L/(>1000)
N81/N88	1.610 2.710	0.15 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 2.710	0.15 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N88/N94	1.770 0.220	0.04 L/(>1000)	1.990 1.990	0.03 L/(>1000)	1.770 0.220	0.05 L/(>1000)	1.990 1.990	0.03 L/(>1000)
N94/N100	1.260 0.220	0.07 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.260 0.220	0.07 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N101/N108	1.610 2.485	0.06 L/(>1000)	1.610 1.610	0.21 L/(>1000)	1.610 2.485	0.06 L/(>1000)	1.610 1.610	0.21 L/(>1000)
N108/N114	2.395 0.220	0.05 L/(>1000)	1.550 1.550	0.12 L/(>1000)	2.395 0.220	0.05 L/(>1000)	1.550 1.550	0.12 L/(>1000)
N114/N120	0.220 0.220	0.05 L/(>1000)	1.330 0.220	0.04 L/(>1000)	0.220 0.220	0.05 L/(>1000)	1.330 0.220	0.04 L/(>1000)
N161/N168	1.610 1.610	0.64 L/(>1000)	2.270 2.270	0.04 L/(>1000)	1.610 1.610	0.64 L/(>1000)	2.270 2.270	0.04 L/(>1000)
N168/N174	1.990 1.990	0.30 L/(>1000)	1.990 1.990	0.05 L/(>1000)	1.990 1.990	0.30 L/(>1000)	1.990 1.990	0.05 L/(>1000)
N174/N180	0.880 0.880	0.48 L/(>1000)	2.210 2.210	0.04 L/(>1000)	0.880 0.880	0.48 L/(>1000)	2.210 2.210	0.04 L/(>1000)
N181/N188	1.610 1.610	1.22 L/(>1000)	1.610 1.610	0.11 L/(>1000)	1.610 1.610	1.22 L/(>1000)	1.610 1.610	0.11 L/(>1000)
N188/N194	0.625 0.625	0.60 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.625 0.625	0.60 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N194/N200	0.880 0.880	0.92 L/(>1000)	0.440 2.395	0.01 L/(>1000)	0.880 0.880	0.92 L/(>1000)	0.440 2.395	0.01 L/(>1000)
N241/N248	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N248/N254	0.660 0.660	0.20 L/(>1000)	1.770 1.990	0.02 L/(>1000)	0.660 0.660	0.20 L/(>1000)	1.770 1.990	0.02 L/(>1000)
N254/N260	1.070 1.070	0.44 L/(>1000)	0.880 0.880	0.02 L/(>1000)	1.070 1.070	0.44 L/(>1000)	0.880 0.880	0.02 L/(>1000)
N261/N268	1.610 1.610	0.41 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.42 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N268/N274	0.625 0.625	0.19 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.19 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N274/N280	0.880 0.880	0.37 L/(>1000)	1.330 1.330	0.04 L/(>1000)	0.880 0.880	0.37 L/(>1000)	1.330 1.330	0.04 L/(>1000)
N28/N8	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)
N28/N48	0.440 0.440	0.03 L/(>1000)	1.099 1.099	4.10 L/536.8	0.440 0.440	0.03 L/(>1000)	1.099 1.099	4.10 L/536.8
N48/N68	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N8/N68	0.440 0.440	0.04 L/(>1000)	1.099 1.099	4.09 L/537.4	0.440 0.440	0.04 L/(>1000)	1.099 1.099	4.09 L/537.4
N48/N88	1.530 1.530	0.03 L/(>1000)	1.093 1.093	3.93 L/556.2	1.530 1.530	0.03 L/(>1000)	1.093 1.093	3.93 L/556.2
N88/N108	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N68/N108	1.530 1.530	0.03 L/(>1000)	1.093 1.093	3.90 L/559.7	1.530 1.530	0.03 L/(>1000)	1.093 1.093	3.90 L/559.7
N88/N128	0.709 0.709	0.02 L/(>1000)	0.472 0.472	0.20 L/(>1000)	0.709 0.709	0.02 L/(>1000)	0.472 0.472	0.20 L/(>1000)
N108/N148	0.236 0.236	0.01 L/(>1000)	0.472 0.472	0.23 L/(>1000)	0.236 0.236	0.01 L/(>1000)	0.472 0.472	0.23 L/(>1000)
N128/N148	0.467 0.467	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N128/N168	0.370 0.370	0.03 L/(>1000)	0.370 0.925	0.10 L/(>1000)	0.370 0.370	0.03 L/(>1000)	0.370 0.925	0.10 L/(>1000)
N168/N188	0.156 0.156	0.01 L/(>1000)	0.156 0.467	0.01 L/(>1000)	0.156 0.156	0.01 L/(>1000)	0.156 0.467	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N188/N228	1.084 1.084	0.03 L/(>1000)	0.723 0.723	1.72 L/841.8	1.084 1.084	0.03 L/(>1000)	0.723 0.723	1.72 L/841.8
N208/N228	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N168/N208	0.903 0.361	0.01 L/(>1000)	0.723 0.723	1.49 L/968.2	0.542 0.361	0.01 L/(>1000)	0.723 0.723	1.49 L/968.2
N228/N268	0.874 0.874	0.04 L/(>1000)	1.092 1.092	3.77 L/578.8	0.874 0.874	0.04 L/(>1000)	1.092 1.092	3.77 L/578.8
N248/N268	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N208/N248	1.529 1.529	0.02 L/(>1000)	1.092 1.092	3.79 L/577.0	1.529 1.529	0.02 L/(>1000)	1.092 1.092	3.79 L/577.0
N268/N308	1.748 1.748	0.05 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.05 L/(>1000)	1.092 1.092	4.03 L/541.5
N288/N308	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N248/N288	0.437 0.437	0.02 L/(>1000)	1.092 1.092	4.10 L/533.3	0.437 0.437	0.02 L/(>1000)	1.092 1.092	4.10 L/533.3
N34/N14	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.01 L/(>1000)
N14/N74	0.440 0.440	0.07 L/(>1000)	1.099 1.099	4.08 L/538.5	0.440 0.440	0.07 L/(>1000)	1.099 1.099	4.08 L/538.5
N34/N54	0.440 0.440	0.04 L/(>1000)	1.099 1.099	4.09 L/538.1	0.440 0.440	0.04 L/(>1000)	1.099 1.099	4.09 L/538.1
N54/N74	0.156 0.156	0.01 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.01 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N54/N94	1.530 1.530	0.07 L/(>1000)	1.093 1.093	3.94 L/554.4	1.530 1.530	0.07 L/(>1000)	1.093 1.093	3.94 L/554.4
N74/N114	1.530 1.530	0.06 L/(>1000)	1.093 1.093	3.91 L/558.3	1.530 1.530	0.06 L/(>1000)	1.093 1.093	3.91 L/558.3
N94/N114	0.467 0.467	0.01 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N94/N134	0.709 0.709	0.04 L/(>1000)	0.472 0.472	0.20 L/(>1000)	0.709 0.709	0.04 L/(>1000)	0.472 0.472	0.20 L/(>1000)
N114/N154	0.236 0.236	0.03 L/(>1000)	0.472 0.472	0.23 L/(>1000)	0.236 0.236	0.03 L/(>1000)	0.472 0.472	0.23 L/(>1000)
N134/N154	0.312 0.312	0.02 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N134/N174	0.370 0.370	0.08 L/(>1000)	0.370 0.925	0.09 L/(>1000)	0.370 0.370	0.08 L/(>1000)	0.370 0.925	0.10 L/(>1000)
N174/N214	0.361 0.361	0.05 L/(>1000)	0.723 0.723	1.49 L/971.4	0.361 0.361	0.05 L/(>1000)	0.723 0.723	1.49 L/971.4
N194/N234	1.084 1.084	0.08 L/(>1000)	0.723 0.723	1.70 L/848.3	1.084 1.084	0.08 L/(>1000)	0.723 0.723	1.70 L/848.3
N214/N234	0.312 0.312	0.03 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.03 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N234/N274	0.874 0.874	0.13 L/(>1000)	1.092 1.092	3.78 L/577.4	0.874 0.874	0.13 L/(>1000)	1.092 1.092	3.78 L/577.4
N254/N274	0.467 0.467	0.02 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.02 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N214/N254	1.092 0.437	0.04 L/(>1000)	1.092 1.092	3.79 L/575.9	1.529 0.437	0.04 L/(>1000)	1.092 1.092	3.79 L/575.9
N254/N294	0.437 0.437	0.07 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.07 L/(>1000)	1.092 1.092	4.09 L/534.4
N274/N314	1.529 1.529	0.09 L/(>1000)	1.092 1.092	4.02 L/542.9	1.529 1.529	0.09 L/(>1000)	1.092 1.092	4.02 L/542.9
N294/N314	0.156 0.156	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N174/N194	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.01 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.01 L/(>1000)
N40/N20	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.01 L/(>1000)
N60/N80	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N100/N120	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N140/N160	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N220/N240	0.312 0.312	0.02 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N260/N280	0.312 0.312	0.09 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.09 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N300/N320	0.312 0.312	0.09 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.09 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N180/N200	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.01 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.01 L/(>1000)
N22/N42	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N23/N43	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N24/N44	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N25/N45	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N26/N46	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N27/N47	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N42/N82	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N43/N83	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N44/N84	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N45/N85	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N46/N86	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N47/N87	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N82/N122	0.000 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.000 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N83/N123	0.472 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.472 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N84/N124	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N85/N125	0.472 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.472 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N86/N126	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N87/N127	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N202/N242	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N203/N243	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N204/N244	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N205/N245	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N206/N246	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N207/N247	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N242/N282	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N243/N283	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N244/N284	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N245/N285	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N246/N286	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N247/N287	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N249/N289	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N250/N290	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N252/N292	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N253/N293	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N251/N291	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N209/N249	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N210/N250	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N212/N252	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N213/N253	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N211/N251	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N89/N129	0.944 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N90/N130	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N92/N132	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N93/N133	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N91/N131	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N49/N89	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N50/N90	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N52/N92	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N53/N93	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N51/N91	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N29/N49	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N30/N50	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N32/N52	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N33/N53	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N31/N51	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N37/N57	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N38/N58	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N39/N59	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N36/N56	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N35/N55	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N57/N97	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N58/N98	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N59/N99	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N56/N96	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N55/N95	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N97/N137	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N98/N138	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N99/N139	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N96/N136	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N95/N135	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N217/N257	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N218/N258	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N219/N259	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N216/N256	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N215/N255	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N257/N297	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N259/N299	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N258/N298	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N255/N295	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N256/N296	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2/N62	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3/N63	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4/N64	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N5/N65	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N6/N66	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N7/N67	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N62/N102	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N63/N103	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N64/N104	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N65/N105	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N66/N106	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N67/N107	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N102/N142	0.472 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.472 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N103/N143	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N104/N144	0.236 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.236 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N105/N145	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N106/N146	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N107/N147	0.472 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.472 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N222/N262	1.529 -	0.00 L/(>1000)	1.092 1.092	5.98 L/365.3	1.529 -	0.00 L/(>1000)	1.092 1.092	5.98 L/365.3
N223/N263	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N224/N264	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N225/N265	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N226/N266	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N227/N267	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N262/N302	1.966 -	0.00 L/(>1000)	1.092 1.092	5.98 L/365.3	1.966 -	0.00 L/(>1000)	1.092 1.092	5.98 L/365.3
N263/N303	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N264/N304	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N265/N305	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N266/N306	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N267/N307	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N269/N309	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N270/N310	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N272/N312	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N273/N313	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N271/N311	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N229/N269	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N230/N270	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N232/N272	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N233/N273	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N231/N271	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N109/N149	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N110/N150	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N112/N152	0.944 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N113/N153	0.944 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N111/N151	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N69/N109	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N70/N110	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N72/N112	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N73/N113	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N71/N111	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N9/N69	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N10/N70	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N12/N72	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N13/N73	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N11/N71	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N17/N77	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N18/N78	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N19/N79	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N16/N76	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N15/N75	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N77/N117	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N78/N118	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N79/N119	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N76/N116	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N75/N115	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N117/N157	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N118/N158	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N119/N159	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N116/N156	0.944 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)
N115/N155	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.22 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N237/N277	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N238/N278	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N239/N279	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N236/N276	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N235/N275	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N277/N317	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N279/N319	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N278/N318	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N275/N315	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N276/N316	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N8/N321	0.236 0.236	0.01 L/(>1000)	0.236 0.236	0.01 L/(>1000)	0.236 0.236	0.01 L/(>1000)	0.236 0.236	0.01 L/(>1000)
N68/N322	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.02 L/(>1000)
N108/N323	0.730 0.243	0.00 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.02 L/(>1000)
N148/N324	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.01 L/(>1000)
N188/N325	0.486 0.486	0.05 L/(>1000)	0.730 0.730	0.02 L/(>1000)	0.486 0.486	0.05 L/(>1000)	0.730 0.730	0.02 L/(>1000)
N228/N326	0.486 0.486	0.14 L/(>1000)	0.730 0.730	0.02 L/(>1000)	0.486 0.486	0.14 L/(>1000)	0.730 0.730	0.02 L/(>1000)
N268/N327	0.486 0.486	0.04 L/(>1000)	0.730 0.730	0.02 L/(>1000)	0.486 0.486	0.04 L/(>1000)	0.730 0.730	0.02 L/(>1000)
N308/N328	0.243 0.243	0.02 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N14/N329	0.236 0.236	0.00 L/(>1000)	0.236 0.236	0.02 L/(>1000)	0.709 0.236	0.01 L/(>1000)	0.236 0.236	0.02 L/(>1000)
N74/N330	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N114/N331	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N154/N332	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N194/N333	0.730 0.730	0.08 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.730 0.730	0.08 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N234/N334	0.730 0.730	0.23 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.730 0.730	0.23 L/(>1000)	0.243 0.243	0.02 L/(>1000)
N274/N335	0.486 0.486	0.19 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.486 0.486	0.19 L/(>1000)	0.243 0.243	0.02 L/(>1000)
N314/N336	0.486 0.486	0.06 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.486 0.486	0.06 L/(>1000)	0.243 0.243	0.02 L/(>1000)
N20/N337	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.02 L/(>1000)	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.02 L/(>1000)
N80/N338	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N120/N339	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N160/N340	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N200/N341	0.243 0.243	0.04 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N240/N342	0.243 0.243	0.04 L/(>1000)	0.730 0.730	0.03 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.730 0.730	0.03 L/(>1000)
N280/N343	0.486 0.486	0.17 L/(>1000)	0.730 0.730	0.02 L/(>1000)	0.486 0.486	0.17 L/(>1000)	0.730 0.730	0.02 L/(>1000)
N320/N344	0.486 0.486	0.17 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.486 0.486	0.17 L/(>1000)	0.243 0.243	0.02 L/(>1000)
N345/N321	2.050 2.050	0.05 L/(>1000)	2.485 2.485	0.11 L/(>1000)	2.050 2.050	0.05 L/(>1000)	2.485 2.485	0.11 L/(>1000)
N321/N329	0.660 1.990	0.03 L/(>1000)	0.220 0.220	0.10 L/(>1000)	0.660 1.990	0.03 L/(>1000)	0.220 0.220	0.10 L/(>1000)
N329/N337	0.660 0.660	0.03 L/(>1000)	0.220 0.220	0.10 L/(>1000)	0.660 0.660	0.03 L/(>1000)	0.220 0.220	0.10 L/(>1000)
N362/N369	1.610 1.610	0.17 L/(>1000)	1.610 1.610	0.02 L/(>1000)	1.610 1.610	0.17 L/(>1000)	1.610 1.610	0.02 L/(>1000)
N369/N375	1.550 1.550	0.09 L/(>1000)	1.770 1.770	0.03 L/(>1000)	1.550 1.550	0.09 L/(>1000)	1.770 1.770	0.03 L/(>1000)
N375/N381	1.330 0.440	0.02 L/(>1000)	0.880 0.880	0.02 L/(>1000)	1.330 0.440	0.02 L/(>1000)	0.880 0.880	0.02 L/(>1000)
N382/N389	1.610 1.610	0.02 L/(>1000)	1.610 1.610	0.36 L/(>1000)	1.610 1.610	0.02 L/(>1000)	1.610 1.610	0.36 L/(>1000)
N390/N322	1.830 1.830	0.09 L/(>1000)	2.050 2.050	0.11 L/(>1000)	1.830 1.830	0.09 L/(>1000)	2.050 2.050	0.11 L/(>1000)
N322/N330	1.990 1.990	0.05 L/(>1000)	2.210 2.210	0.07 L/(>1000)	1.990 1.990	0.05 L/(>1000)	2.210 2.210	0.07 L/(>1000)
N389/N407	1.770 1.770	0.03 L/(>1000)	1.550 1.550	0.17 L/(>1000)	1.770 1.770	0.03 L/(>1000)	1.550 1.550	0.17 L/(>1000)
N330/N338	0.660 0.660	0.04 L/(>1000)	0.660 0.660	0.07 L/(>1000)	0.660 0.660	0.04 L/(>1000)	0.660 0.660	0.07 L/(>1000)
N407/N418	1.105 1.105	0.03 L/(>1000)	1.330 1.330	0.04 L/(>1000)	1.105 1.105	0.03 L/(>1000)	0.880 1.330	0.04 L/(>1000)
N419/N426	1.610 1.610	0.01 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.01 L/(>1000)	1.610 1.610	0.26 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N427/N323	1.390 2.490	0.07 L/(>1000)	2.050 2.050	0.09 L/(>1000)	1.390 2.490	0.07 L/(>1000)	2.050 2.050	0.09 L/(>1000)
N323/N331	2.400 0.220	0.07 L/(>1000)	1.990 1.990	0.06 L/(>1000)	2.400 0.220	0.07 L/(>1000)	1.990 1.990	0.06 L/(>1000)
N426/N444	1.955 1.955	0.03 L/(>1000)	1.550 1.550	0.14 L/(>1000)	1.955 1.955	0.03 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N331/N339	1.070 0.220	0.06 L/(>1000)	0.660 0.660	0.05 L/(>1000)	1.070 0.220	0.06 L/(>1000)	0.660 0.660	0.05 L/(>1000)
N444/N455	1.105 1.105	0.03 L/(>1000)	1.330 0.440	0.03 L/(>1000)	1.105 1.105	0.03 L/(>1000)	0.880 0.440	0.03 L/(>1000)
N493/N500	1.610 1.610	0.18 L/(>1000)	1.830 1.830	0.08 L/(>1000)	1.610 1.610	0.18 L/(>1000)	1.830 1.830	0.08 L/(>1000)
N501/N325	1.610 1.610	0.74 L/(>1000)	2.270 2.270	0.04 L/(>1000)	1.610 1.610	0.74 L/(>1000)	2.270 2.270	0.04 L/(>1000)
N325/N333	1.990 1.990	0.50 L/(>1000)	1.990 1.990	0.05 L/(>1000)	1.990 1.990	0.50 L/(>1000)	1.990 1.990	0.05 L/(>1000)
N500/N518	1.955 1.955	0.12 L/(>1000)	1.550 1.550	0.07 L/(>1000)	1.955 1.955	0.12 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N333/N341	1.070 1.070	0.62 L/(>1000)	1.990 1.990	0.03 L/(>1000)	1.070 1.070	0.62 L/(>1000)	1.990 1.990	0.03 L/(>1000)
N518/N529	1.770 1.770	0.04 L/(>1000)	1.105 1.105	0.01 L/(>1000)	1.770 1.770	0.04 L/(>1000)	1.105 1.105	0.01 L/(>1000)
N530/N537	1.610 1.610	0.21 L/(>1000)	1.610 1.610	0.41 L/(>1000)	1.610 1.610	0.21 L/(>1000)	1.610 1.610	0.41 L/(>1000)
N538/N326	1.610 1.610	1.18 L/(>1000)	1.135 1.135	0.12 L/(>1000)	1.610 1.610	1.18 L/(>1000)	1.135 1.135	0.12 L/(>1000)
N326/N334	1.990 1.990	0.52 L/(>1000)	1.070 2.210	0.04 L/(>1000)	1.990 1.990	0.52 L/(>1000)	1.070 2.210	0.04 L/(>1000)
N537/N555	1.955 1.955	0.13 L/(>1000)	1.550 1.550	0.13 L/(>1000)	1.955 1.955	0.13 L/(>1000)	1.550 1.550	0.13 L/(>1000)
N334/N342	1.070 1.070	0.62 L/(>1000)	1.070 1.070	0.07 L/(>1000)	1.070 1.070	0.62 L/(>1000)	1.070 1.070	0.07 L/(>1000)
N555/N566	1.770 1.770	0.04 L/(>1000)	0.625 0.625	0.05 L/(>1000)	1.770 1.770	0.04 L/(>1000)	0.625 0.625	0.05 L/(>1000)
N321/N369	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)
N321/N322	0.440 0.440	0.05 L/(>1000)	1.099 1.099	4.08 L/538.7	0.440 0.440	0.05 L/(>1000)	1.099 1.099	4.08 L/538.7
N322/N389	0.111 0.001	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.001	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N369/N389	0.440 0.440	0.05 L/(>1000)	1.319 1.319	0.05 L/(>1000)	0.440 0.440	0.05 L/(>1000)	1.319 1.319	0.05 L/(>1000)
N322/N323	1.748 1.748	0.03 L/(>1000)	1.093 1.093	3.95 L/553.1	1.748 1.748	0.03 L/(>1000)	1.093 1.093	3.95 L/553.1
N323/N324	0.236 0.236	0.01 L/(>1000)	0.472 0.472	0.09 L/(>1000)	0.236 0.236	0.01 L/(>1000)	0.472 0.472	0.09 L/(>1000)
N325/N326	1.084 1.084	0.18 L/(>1000)	0.542 0.542	0.65 L/(>1000)	1.084 1.084	0.18 L/(>1000)	0.542 0.542	0.66 L/(>1000)
N326/N327	0.763 0.763	0.64 L/(>1000)	1.092 1.092	1.96 L/(>1000)	0.763 0.763	0.64 L/(>1000)	1.092 1.092	1.96 L/(>1000)
N327/N328	0.655 0.655	0.12 L/(>1000)	1.092 1.092	3.91 L/558.4	0.655 0.655	0.12 L/(>1000)	1.092 1.092	3.91 L/558.4
N328/N593	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N568/N593	1.529 1.529	0.08 L/(>1000)	1.529 1.529	0.10 L/(>1000)	1.529 1.529	0.08 L/(>1000)	1.529 1.529	0.10 L/(>1000)
N327/N568	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.01 L/(>1000)
N326/N537	0.111 0.111	0.02 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.02 L/(>1000)	0.111 0.111	0.01 L/(>1000)
N500/N537	0.361 0.361	0.09 L/(>1000)	1.084 1.084	0.01 L/(>1000)	0.361 0.361	0.09 L/(>1000)	1.084 1.084	0.01 L/(>1000)
N325/N500	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N324/N463	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N426/N463	0.236 0.236	0.01 L/(>1000)	0.709 0.709	0.01 L/(>1000)	0.236 0.236	0.01 L/(>1000)	0.709 0.709	0.01 L/(>1000)
N323/N426	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N389/N426	1.748 1.748	0.03 L/(>1000)	1.093 1.093	0.06 L/(>1000)	1.748 1.748	0.03 L/(>1000)	1.093 1.093	0.06 L/(>1000)
N329/N375	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)
N375/N407	0.440 0.440	0.07 L/(>1000)	1.539 1.539	0.07 L/(>1000)	0.440 0.440	0.07 L/(>1000)	1.539 1.539	0.07 L/(>1000)
N329/N330	1.759 1.759	0.07 L/(>1000)	1.099 1.099	4.07 L/539.9	1.759 1.759	0.07 L/(>1000)	1.099 1.099	4.07 L/539.9
N330/N407	0.111 0.001	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.001	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N330/N331	1.748 1.748	0.06 L/(>1000)	1.093 1.093	3.96 L/552.4	1.748 1.748	0.06 L/(>1000)	1.093 1.093	3.96 L/552.4
N407/N444	1.530 1.530	0.06 L/(>1000)	1.093 1.093	0.07 L/(>1000)	1.530 1.530	0.06 L/(>1000)	1.093 1.093	0.07 L/(>1000)
N331/N332	0.236 0.236	0.02 L/(>1000)	0.472 0.472	0.09 L/(>1000)	0.236 0.236	0.02 L/(>1000)	0.472 0.472	0.09 L/(>1000)
N333/N518	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N332/N481	0.111 0.001	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.001	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N444/N481	0.236 0.236	0.02 L/(>1000)	0.709 0.709	0.02 L/(>1000)	0.236 0.236	0.02 L/(>1000)	0.709 0.709	0.02 L/(>1000)
N331/N444	0.111 0.001	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.001	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N333/N334	1.084 1.084	0.26 L/(>1000)	0.542 0.542	0.69 L/(>1000)	1.084 1.084	0.26 L/(>1000)	0.542 0.542	0.69 L/(>1000)
N518/N555	0.361 0.361	0.13 L/(>1000)	0.361 1.084	0.02 L/(>1000)	0.361 0.361	0.13 L/(>1000)	0.361 1.084	0.02 L/(>1000)
N334/N335	1.180 1.180	1.82 L/(>1000)	1.180 1.180	2.15 L/(>1000)	1.180 1.180	1.82 L/(>1000)	1.180 1.180	2.15 L/(>1000)
N335/N580	0.111 0.111	0.03 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.03 L/(>1000)	0.111 0.111	0.01 L/(>1000)
N334/N555	0.111 0.111	0.03 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.03 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N335/N336	0.655 0.655	0.44 L/(>1000)	1.092 1.092	3.84 L/568.0	0.655 0.655	0.44 L/(>1000)	1.092 1.092	3.84 L/568.0
N580/N605	1.748 1.748	0.25 L/(>1000)	1.748 1.748	0.13 L/(>1000)	1.748 1.748	0.25 L/(>1000)	1.748 1.748	0.13 L/(>1000)
N336/N605	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N337/N381	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)
N338/N418	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.01 L/(>1000)
N341/N529	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N340/N492	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N339/N455	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N343/N591	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N342/N566	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.01 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N344/N616	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N346/N391	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N391/N428	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N428/N465	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N347/N392	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N392/N429	0.219 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.219 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N429/N466	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N348/N393	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N393/N430	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N430/N467	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N349/N394	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N394/N431	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N431/N468	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N350/N395	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N395/N432	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N432/N469	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N351/N396	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N396/N433	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N433/N470	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N352/N397	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N397/N434	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N434/N471	0.472 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.472 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N570/N595	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N353/N398	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N398/N435	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N435/N472	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N571/N596	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N355/N400	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N400/N437	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N437/N474	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N573/N598	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N356/N401	0.440 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	0.440 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N401/N438	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N438/N475	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N574/N599	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N354/N399	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N399/N436	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N436/N473	0.236 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.236 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N572/N597	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N359/N410	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N410/N447	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N447/N484	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N583/N608	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N360/N411	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N361/N412	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N411/N448	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N412/N449	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N448/N485	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N449/N486	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N585/N610	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N584/N609	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N358/N409	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N357/N408	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N409/N446	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N408/N445	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N446/N483	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N445/N482	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N581/N606	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N582/N607	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N363/N383	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N364/N384	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N365/N385	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N366/N386	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N367/N387	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N368/N388	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N383/N420	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N384/N421	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N385/N422	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N386/N423	0.219 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.219 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N387/N424	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N388/N425	0.874 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N420/N457	0.000 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.000 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N421/N458	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N422/N459	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N423/N460	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N424/N461	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N425/N462	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N575/N600	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N576/N601	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N578/N603	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N579/N604	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N577/N602	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N439/N476	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N440/N477	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N442/N479	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N443/N480	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N441/N478	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N402/N439	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N403/N440	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N405/N442	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N406/N443	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N404/N441	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N370/N402	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N371/N403	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N373/N405	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N374/N406	0.880 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N372/N404	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N378/N415	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N379/N416	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N380/N417	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N377/N414	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N376/N413	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N415/N452	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N416/N453	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N417/N454	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N414/N451	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N413/N450	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N452/N489	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N453/N490	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.709 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N454/N491	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N451/N488	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.944 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N450/N487	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)	0.945 -	0.00 L/(>1000)	0.472 0.472	0.10 L/(>1000)
N588/N613	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N590/N615	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N589/N614	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N586/N611	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N587/N612	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N617/N624	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)
N624/N630	1.550 1.550	0.07 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N630/N636	1.105 1.330	0.02 L/(>1000)	0.660 0.660	0.21 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.660 0.660	0.21 L/(>1000)
N637/N644	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.31 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.31 L/(>1000)
N644/N650	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.19 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.19 L/(>1000)
N650/N656	1.550 1.550	0.01 L/(>1000)	0.660 0.660	0.22 L/(>1000)	1.550 1.550	0.01 L/(>1000)	0.660 0.660	0.22 L/(>1000)
N657/N664	1.610 1.610	0.36 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.36 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N664/N670	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N670/N676	1.070 1.070	0.26 L/(>1000)	1.330 0.880	0.01 L/(>1000)	1.070 1.070	0.26 L/(>1000)	1.330 0.880	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N677/N684	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N684/N690	1.955 1.955	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	1.955 1.955	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N690/N696	0.880 0.880	0.24 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.24 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N697/N704	1.610 1.610	0.36 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.36 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N704/N710	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.01 L/(>1000)	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N710/N716	1.070 1.070	0.27 L/(>1000)	0.880 0.880	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	0.880 0.880	0.01 L/(>1000)
N717/N724	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N724/N730	1.955 1.955	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	1.955 1.955	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N730/N736	1.105 1.105	0.25 L/(>1000)	1.330 1.330	0.04 L/(>1000)	1.105 1.105	0.25 L/(>1000)	1.330 1.330	0.04 L/(>1000)
N817/N824	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N824/N830	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N830/N836	1.070 1.070	0.37 L/(>1000)	1.330 0.880	0.01 L/(>1000)	1.070 1.070	0.37 L/(>1000)	1.330 0.880	0.01 L/(>1000)
N837/N844	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N844/N850	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N850/N856	1.105 1.105	0.35 L/(>1000)	1.330 1.330	0.04 L/(>1000)	1.105 1.105	0.35 L/(>1000)	1.330 1.330	0.04 L/(>1000)
N644/N624	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N644/N664	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.11 L/535.6	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.11 L/535.6
N664/N684	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N624/N684	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.10 L/536.8	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.10 L/536.8
N664/N704	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.4	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.4
N704/N724	0.312 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N684/N724	0.437 0.437	0.01 L/(>1000)	1.093 1.093	3.74 L/583.8	0.437 0.437	0.01 L/(>1000)	1.093 1.093	3.74 L/583.8
N744/N764	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N764/N804	0.361 0.361	0.01 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.361 0.361	0.01 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N784/N804	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N744/N784	0.361 0.361	0.01 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.361 0.361	0.01 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N804/N844	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7
N824/N844	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N784/N824	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.80 L/575.7	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.80 L/575.7
N844/N884	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N864/N884	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N824/N864	1.748 1.748	0.03 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.03 L/(>1000)	1.092 1.092	4.09 L/533.5
N650/N630	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N630/N690	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.09 L/538.0
N650/N670	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.09 L/537.3	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.09 L/537.3
N670/N690	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N670/N710	0.656 0.656	0.02 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.02 L/(>1000)	1.093 1.093	3.74 L/583.6
N690/N730	1.748 1.748	0.02 L/(>1000)	1.093 1.093	3.75 L/582.9	1.748 1.748	0.02 L/(>1000)	1.093 1.093	3.75 L/582.9
N710/N730	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N750/N790	1.084 1.084	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.361 1.084	0.01 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N770/N810	0.903 0.903	0.01 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.903 0.903	0.01 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N790/N810	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N810/N850	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N830/N850	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N790/N830	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.2	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.2
N830/N870	0.437 0.437	0.04 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.04 L/(>1000)	1.092 1.092	4.09 L/534.4
N850/N890	1.748 1.748	0.04 L/(>1000)	1.092 1.092	4.02 L/543.0	1.748 1.748	0.04 L/(>1000)	1.092 1.092	4.02 L/543.0

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N870/N890	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N750/N770	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N656/N636	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N676/N696	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N716/N736	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N796/N816	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N836/N856	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N876/N896	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N756/N776	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N624/N28	0.472 0.472	0.01 L/(>1000)	0.709 0.709	0.01 L/(>1000)	0.472 0.472	0.01 L/(>1000)	0.709 0.709	0.01 L/(>1000)
N684/N48	0.486 0.486	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N724/N88	0.730 0.730	0.02 L/(>1000)	0.730 0.730	0.02 L/(>1000)	0.730 0.730	0.02 L/(>1000)	0.730 0.730	0.02 L/(>1000)
N764/N168	0.730 0.730	0.01 L/(>1000)	0.730 0.730	0.03 L/(>1000)	0.730 0.730	0.01 L/(>1000)	0.730 0.730	0.03 L/(>1000)
N804/N208	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N844/N248	0.486 0.486	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N884/N288	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.01 L/(>1000)
N630/N34	0.709 0.709	0.02 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.02 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N690/N54	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N730/N94	0.730 0.730	0.04 L/(>1000)	0.730 0.730	0.02 L/(>1000)	0.730 0.730	0.04 L/(>1000)	0.730 0.730	0.02 L/(>1000)
N770/N174	0.486 0.486	0.03 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.486 0.486	0.03 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N810/N214	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.02 L/(>1000)
N850/N254	0.486 0.486	0.02 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.02 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N890/N294	0.486 0.486	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.486	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N636/N40	0.236 0.236	0.01 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.01 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N696/N60	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N736/N100	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.01 L/(>1000)
N776/N180	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N816/N220	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N856/N260	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N896/N300	0.486 0.486	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.486 0.730	0.00 L/(>1000)
N704/N744	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.4	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.4
N724/N764	0.437 0.437	0.01 L/(>1000)	1.092 1.092	3.77 L/578.9	0.437 0.437	0.01 L/(>1000)	1.092 1.092	3.77 L/578.9
N638/N658	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N639/N659	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N640/N660	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N641/N661	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N642/N662	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N643/N663	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N658/N698	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N659/N699	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N660/N700	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N661/N701	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N662/N702	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N663/N703	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N778/N818	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N779/N819	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N780/N820	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N781/N821	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N782/N822	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N783/N823	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N818/N858	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N819/N859	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N820/N860	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N821/N861	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N822/N862	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N823/N863	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N825/N865	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N826/N866	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N828/N868	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N829/N869	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N827/N867	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N785/N825	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N786/N826	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N788/N828	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N789/N829	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N787/N827	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N665/N705	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N666/N706	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N668/N708	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N669/N709	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N667/N707	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N645/N665	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N646/N666	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N648/N668	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N649/N669	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N647/N667	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N653/N673	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N654/N674	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N655/N675	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N652/N672	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N651/N671	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N673/N713	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N674/N714	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N675/N715	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N672/N712	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N671/N711	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N793/N833	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N794/N834	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N795/N835	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N792/N832	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N791/N831	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N833/N873	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N835/N875	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N834/N874	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N831/N871	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N832/N872	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N618/N678	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N619/N679	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N620/N680	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N621/N681	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N622/N682	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N623/N683	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N678/N718	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N679/N719	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N680/N720	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N681/N721	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N682/N722	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N683/N723	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N798/N838	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N799/N839	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N800/N840	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N801/N841	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N802/N842	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N803/N843	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N838/N878	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N839/N879	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N840/N880	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N841/N881	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N842/N882	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N843/N883	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N845/N885	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N846/N886	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N848/N888	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N849/N889	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N847/N887	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N805/N845	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N806/N846	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N808/N848	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N809/N849	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N807/N847	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N685/N725	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N686/N726	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N688/N728	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N689/N729	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N687/N727	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N625/N685	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N626/N686	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N628/N688	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N629/N689	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N627/N687	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N633/N693	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N634/N694	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N635/N695	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N632/N692	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N631/N691	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N693/N733	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N694/N734	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N695/N735	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N692/N732	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N691/N731	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N813/N853	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N814/N854	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N815/N855	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N812/N852	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N811/N851	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N853/N893	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N855/N895	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N854/N894	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N851/N891	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N852/N892	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N698/N738	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N699/N739	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N700/N740	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N701/N741	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N702/N742	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N703/N743	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N705/N745	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N706/N746	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N708/N748	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N709/N749	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N707/N747	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N713/N753	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N714/N754	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N715/N755	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N712/N752	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N711/N751	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N718/N758	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N719/N759	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N720/N760	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N721/N761	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N722/N762	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N723/N763	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N725/N765	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N726/N766	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N728/N768	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N729/N769	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N727/N767	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N733/N773	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N734/N774	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N735/N775	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N732/N772	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N731/N771	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N456/N463	2.200 2.200	0.01 L/(>1000)	1.610 1.610	0.09 L/(>1000)	1.610 2.200	0.02 L/(>1000)	1.610 1.610	0.09 L/(>1000)
N464/N324	1.390 2.490	0.08 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.390 2.490	0.08 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N324/N332	2.400 2.400	0.04 L/(>1000)	1.990 1.990	0.04 L/(>1000)	2.400 2.400	0.04 L/(>1000)	1.990 1.990	0.04 L/(>1000)
N463/N481	1.955 1.955	0.03 L/(>1000)	1.550 1.550	0.07 L/(>1000)	1.955 1.955	0.03 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N332/N340	1.260 0.220	0.05 L/(>1000)	1.990 1.990	0.01 L/(>1000)	1.260 0.220	0.05 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N481/N492	1.105 1.105	0.03 L/(>1000)	1.330 1.330	0.01 L/(>1000)	1.105 1.105	0.03 L/(>1000)	1.330 1.330	0.01 L/(>1000)
N121/N128	1.610 1.610	0.16 L/(>1000)	0.730 0.730	0.04 L/(>1000)	1.610 1.610	0.16 L/(>1000)	0.730 0.730	0.04 L/(>1000)
N128/N134	1.770 1.770	0.05 L/(>1000)	1.770 1.770	0.03 L/(>1000)	1.770 1.770	0.06 L/(>1000)	1.770 1.770	0.03 L/(>1000)
N134/N140	1.260 0.220	0.07 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.260 0.220	0.07 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N141/N148	1.390 2.485	0.06 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.390 2.485	0.06 L/(>1000)	1.610 1.610	0.12 L/(>1000)
N148/N154	2.210 0.220	0.05 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.210 0.220	0.05 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N154/N160	0.220 0.220	0.05 L/(>1000)	1.330 0.220	0.01 L/(>1000)	0.220 0.220	0.05 L/(>1000)	1.330 0.220	0.01 L/(>1000)
N737/N744	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N744/N750	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N750/N756	1.260 1.260	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.260 1.260	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N757/N764	1.610 1.610	0.32 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.32 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N764/N770	1.955 1.955	0.11 L/(>1000)	1.550 1.550	0.12 L/(>1000)	1.955 1.955	0.11 L/(>1000)	1.550 1.550	0.12 L/(>1000)
N770/N776	1.105 1.105	0.27 L/(>1000)	1.330 0.220	0.03 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.330 0.220	0.03 L/(>1000)
N777/N784	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N784/N790	0.660 0.660	0.17 L/(>1000)	1.770 1.990	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	1.770 1.990	0.01 L/(>1000)
N790/N796	1.070 1.070	0.40 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.40 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N797/N804	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.21 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.21 L/(>1000)
N804/N810	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N810/N816	1.105 1.105	0.38 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.38 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N201/N208	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N208/N214	0.660 0.660	0.18 L/(>1000)	1.550 1.550	0.01 L/(>1000)	0.660 0.660	0.18 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N214/N220	1.070 1.070	0.45 L/(>1000)	0.660 0.660	0.02 L/(>1000)	1.070 1.070	0.45 L/(>1000)	0.660 0.660	0.02 L/(>1000)
N221/N228	1.610 1.610	0.42 L/(>1000)	1.610 1.610	0.21 L/(>1000)	1.610 1.610	0.42 L/(>1000)	1.610 1.610	0.21 L/(>1000)
N228/N234	0.625 0.625	0.17 L/(>1000)	1.550 1.550	0.12 L/(>1000)	0.625 0.625	0.17 L/(>1000)	1.550 1.550	0.12 L/(>1000)
N234/N240	1.330 1.330	0.50 L/(>1000)	1.330 0.220	0.03 L/(>1000)	1.330 1.330	0.50 L/(>1000)	1.330 0.220	0.03 L/(>1000)
N567/N568	1.610 1.610	0.11 L/(>1000)	1.610 1.610	0.55 L/(>1000)	1.610 1.610	0.11 L/(>1000)	1.610 1.610	0.55 L/(>1000)
N569/N327	1.610 1.610	0.93 L/(>1000)	1.135 1.135	0.14 L/(>1000)	1.610 1.610	0.93 L/(>1000)	1.135 1.135	0.14 L/(>1000)
N327/N335	1.990 1.990	0.58 L/(>1000)	0.880 2.210	0.04 L/(>1000)	1.990 1.990	0.58 L/(>1000)	0.880 2.210	0.04 L/(>1000)
N568/N580	1.770 1.770	0.17 L/(>1000)	1.550 1.550	0.28 L/(>1000)	1.770 1.770	0.17 L/(>1000)	1.550 1.550	0.28 L/(>1000)
N335/N343	1.070 1.070	0.84 L/(>1000)	1.260 1.260	0.11 L/(>1000)	1.070 1.070	0.84 L/(>1000)	1.260 1.260	0.11 L/(>1000)
N580/N591	1.955 1.955	0.06 L/(>1000)	0.625 0.625	0.09 L/(>1000)	1.955 1.955	0.06 L/(>1000)	0.625 0.625	0.09 L/(>1000)
N281/N288	1.610 1.610	0.42 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.42 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N288/N294	2.210 2.210	0.25 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.25 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N294/N300	1.070 1.070	0.39 L/(>1000)	0.880 0.880	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.880 0.880	0.01 L/(>1000)
N301/N308	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.39 L/(>1000)	1.610 1.610	0.12 L/(>1000)
N308/N314	0.440 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N314/N320	0.880 0.880	0.32 L/(>1000)	1.330 0.220	0.02 L/(>1000)	0.880 0.880	0.32 L/(>1000)	1.330 0.220	0.02 L/(>1000)
N594/N328	1.610 1.610	1.29 L/(>1000)	2.050 2.050	0.05 L/(>1000)	1.610 1.610	1.29 L/(>1000)	2.050 2.050	0.05 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N328/N336	1.990 1.990	0.61 L/(>1000)	1.990 1.990	0.04 L/(>1000)	1.990 1.990	0.61 L/(>1000)	1.990 1.990	0.04 L/(>1000)
N336/N344	1.070 1.070	0.81 L/(>1000)	0.660 0.660	0.03 L/(>1000)	1.070 1.070	0.81 L/(>1000)	0.660 0.660	0.03 L/(>1000)
N592/N593	1.593 1.593	0.16 L/(>1000)	1.593 1.593	0.15 L/(>1000)	1.593 1.593	0.16 L/(>1000)	1.593 1.593	0.15 L/(>1000)
N593/N605	1.770 1.770	0.16 L/(>1000)	1.550 1.550	0.09 L/(>1000)	1.770 1.770	0.16 L/(>1000)	1.550 1.550	0.09 L/(>1000)
N605/N616	1.955 1.955	0.05 L/(>1000)	1.330 0.440	0.02 L/(>1000)	1.955 1.955	0.05 L/(>1000)	1.330 0.440	0.02 L/(>1000)
N857/N864	1.610 1.610	0.39 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.39 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N864/N870	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N870/N876	1.070 1.070	0.32 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.32 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N877/N884	1.610 1.610	0.33 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.33 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N884/N890	0.440 0.440	0.20 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.20 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N890/N896	1.105 1.105	0.31 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.31 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N730/N770	0.655 0.655	0.04 L/(>1000)	1.092 1.092	3.77 L/579.0	0.655 0.655	0.04 L/(>1000)	1.092 1.092	3.77 L/579.0
N710/N750	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.7	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.7
N513/N550	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N514/N551	0.723 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.723 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N515/N552	1.084 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.084 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N516/N553	0.542 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.542 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N517/N554	1.084 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.084 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N524/N561	0.723 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.723 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N525/N562	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N526/N563	1.264 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.264 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N527/N564	0.723 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.723 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N528/N565	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N523/N560	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N522/N559	0.903 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.903 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N521/N558	0.542 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.542 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N520/N557	0.361 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.361 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N519/N556	0.542 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.723 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N512/N549	1.084 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.084 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N511/N548	0.542 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.264 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N510/N547	0.361 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	1.444 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N509/N546	0.361 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.361 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N508/N545	0.542 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)	0.542 -	0.00 L/(>1000)	0.723 0.723	0.28 L/(>1000)
N912/N911	0.620 0.620	0.04 L/(>1000)	0.620 0.620	0.19 L/(>1000)	0.620 0.620	0.04 L/(>1000)	0.620 0.620	0.19 L/(>1000)
N913/N910	0.620 0.620	0.00 L/(>1000)	0.620 0.620	0.29 L/(>1000)	0.620 0.620	0.00 L/(>1000)	0.620 0.620	0.29 L/(>1000)
N910/N914	1.071 1.928	0.01 L/(>1000)	1.928 1.928	1.71 L/(>1000)	1.499 1.928	0.01 L/(>1000)	1.928 1.928	1.71 L/(>1000)
N911/N915	1.928 1.928	0.11 L/(>1000)	1.713 1.713	2.27 L/(>1000)	1.928 1.928	0.11 L/(>1000)	1.713 1.713	2.27 L/(>1000)
N916/N917	0.022 -	0.00 L/(>1000)	0.022 0.022	0.00 L/(>1000)	0.022 -	0.00 L/(>1000)	0.022 0.022	0.00 L/(>1000)
N918/N919	0.022 -	0.00 L/(>1000)	0.022 0.022	0.00 L/(>1000)	0.022 -	0.00 L/(>1000)	0.022 0.022	0.00 L/(>1000)
N910/N921	0.932 -	0.00 L/(>1000)	1.304 1.304	12.76 L/204.5	0.932 -	0.00 L/(>1000)	1.304 1.304	12.76 L/204.5
N924/N915	1.913 -	0.00 L/(>1000)	1.275 1.275	11.81 L/216.1	1.913 -	0.00 L/(>1000)	1.275 1.275	11.81 L/216.1
N914/N925	1.935 -	0.00 L/(>1000)	1.290 1.290	12.35 L/208.9	2.579 -	0.00 L/(>1000)	1.290 1.290	12.35 L/208.9
N910/N930	0.243 0.243	0.09 L/(>1000)	0.485 0.485	0.81 L/(>1000)	0.243 0.243	0.09 L/(>1000)	0.485 0.485	0.81 L/(>1000)
N911/N931	0.728 0.728	0.06 L/(>1000)	0.485 0.485	0.92 L/(>1000)	0.728 0.728	0.06 L/(>1000)	0.485 0.485	0.92 L/(>1000)
N931/N930	1.084 1.084	1.12 L/(>1000)	0.904 0.904	0.91 L/(>1000)	1.084 1.084	1.12 L/(>1000)	0.904 0.904	0.91 L/(>1000)
N915/N932	0.243 0.243	0.11 L/(>1000)	0.485 0.485	0.81 L/(>1000)	0.243 0.243	0.11 L/(>1000)	0.485 0.485	0.81 L/(>1000)
N932/N933	1.116 1.116	0.60 L/(>1000)	0.904 0.904	0.58 L/(>1000)	1.116 1.116	0.60 L/(>1000)	0.904 0.904	0.58 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N914/N933	0.728 0.728	0.06 L/(>1000)	0.485 0.485	0.79 L/(>1000)	0.728 0.728	0.06 L/(>1000)	0.485 0.485	0.79 L/(>1000)
N934/N926	3.318 3.318	0.10 L/(>1000)	1.604 3.318	2.28 L/(>1000)	3.318 3.318	0.10 L/(>1000)	1.604 3.318	2.28 L/(>1000)
N926/N914	0.435 0.435	0.10 L/(>1000)	0.435 0.435	0.03 L/(>1000)	0.435 0.435	0.10 L/(>1000)	0.435 0.435	0.03 L/(>1000)
N926/N927	2.579 -	0.00 L/(>1000)	1.290 1.290	12.35 L/208.9	2.579 -	0.00 L/(>1000)	1.290 1.290	12.35 L/208.9
N923/N935	0.485 0.485	0.03 L/(>1000)	0.485 0.485	0.87 L/(>1000)	0.485 0.485	0.03 L/(>1000)	0.485 0.485	0.87 L/(>1000)
N926/N936	0.485 0.485	0.14 L/(>1000)	0.485 0.485	1.00 L/965.9	0.485 0.485	0.14 L/(>1000)	0.485 0.485	1.00 L/965.9
N911/N923	0.690 0.690	0.10 L/(>1000)	0.690 0.690	0.06 L/(>1000)	0.690 0.690	0.10 L/(>1000)	0.690 0.690	0.06 L/(>1000)
N917/N920	1.052 -	0.00 L/(>1000)	1.262 1.262	12.04 L/209.6	1.052 -	0.00 L/(>1000)	1.262 1.262	12.04 L/209.6
N923/N922	2.236 -	0.00 L/(>1000)	1.304 1.304	12.76 L/204.5	2.236 -	0.00 L/(>1000)	1.304 1.304	12.76 L/204.5
N929/N928	2.150 -	0.00 L/(>1000)	1.290 1.290	12.35 L/208.9	2.150 -	0.00 L/(>1000)	1.290 1.290	12.35 L/208.9
N923/N910	0.218 0.218	0.14 L/(>1000)	0.218 0.218	0.01 L/(>1000)	0.218 0.218	0.14 L/(>1000)	0.218 0.218	0.01 L/(>1000)
N937/N944	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)
N944/N950	1.550 1.550	0.07 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N950/N956	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N957/N964	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.31 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.31 L/(>1000)
N964/N970	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.19 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.19 L/(>1000)
N970/N976	1.550 1.550	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.550 1.550	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N977/N984	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N984/N990	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N990/N996	1.070 1.070	0.27 L/(>1000)	1.550 0.880	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 0.880	0.01 L/(>1000)
N997/N1004	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N1004/N1010	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N1010/N1016	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N1017/N1024	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1024/N1030	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N1030/N1036	1.070 1.070	0.28 L/(>1000)	1.330 0.880	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.330 0.880	0.01 L/(>1000)
N1037/N1044	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N1044/N1050	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N1050/N1056	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N1057/N1064	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1064/N1070	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N1070/N1076	1.070 1.070	0.36 L/(>1000)	1.550 0.880	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 0.880	0.01 L/(>1000)
N1077/N1084	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N1084/N1090	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N1090/N1096	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N964/N944	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N964/N984	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N984/N1004	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N944/N1004	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N984/N1024	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N1024/N1044	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1004/N1044	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N1097/N1098	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1098/N1099	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N1100/N1099	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1097/N1100	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N1099/N1084	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1064/N1084	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1100/N1064	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N1084/N1101	1.748 1.748	0.03 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.03 L/(>1000)	1.092 1.092	4.03 L/541.5
N1102/N1101	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1064/N1102	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N970/N950	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N950/N1010	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.09 L/538.0
N970/N990	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.09 L/537.3
N990/N1010	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N990/N1030	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N1010/N1050	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N1030/N1050	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1104/N1103	0.542 1.084	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.542 1.084	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N1105/N1106	1.084 1.084	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N1103/N1106	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1106/N1090	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N1070/N1090	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1103/N1070	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N1070/N1107	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N1090/N1108	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0
N1107/N1108	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1104/N1105	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N976/N956	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N996/N1016	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1036/N1056	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1110/N1109	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1076/N1096	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1111/N1112	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1113/N1114	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N944/N644	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N1004/N664	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N1044/N704	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N1098/N744	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N1099/N784	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1084/N824	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N1101/N864	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N950/N650	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.472 0.709	0.00 L/(>1000)
N1010/N670	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1050/N710	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1105/N750	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1106/N790	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1090/N830	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1108/N870	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.486 0.243	0.00 L/(>1000)
N956/N656	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)
N1016/N676	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1056/N716	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1114/N756	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1109/N796	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1096/N836	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1112/N876	0.486 0.486	0.00 L/(>1000)	0.486 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.486 0.730	0.00 L/(>1000)
N1024/N1097	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3
N1044/N1098	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N958/N978	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N959/N979	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N960/N980	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N961/N981	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N962/N982	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N963/N983	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N978/N1018	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N979/N1019	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N980/N1020	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N981/N1021	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N982/N1022	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N983/N1023	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1115/N1058	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1116/N1059	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1117/N1060	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1118/N1061	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1119/N1062	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1120/N1063	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1058/N1121	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1059/N1122	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1060/N1123	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1061/N1124	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1062/N1125	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1063/N1126	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1065/N1127	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1066/N1128	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1068/N1129	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1069/N1130	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1067/N1131	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1132/N1065	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1133/N1066	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1134/N1068	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1135/N1069	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1136/N1067	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N985/N1025	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N986/N1026	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N988/N1028	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N989/N1029	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N987/N1027	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N965/N985	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N966/N986	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N968/N988	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N969/N989	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N967/N987	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N973/N993	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N974/N994	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N975/N995	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N972/N992	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N971/N991	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N993/N1033	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N994/N1034	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N995/N1035	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N992/N1032	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N991/N1031	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1137/N1073	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1138/N1074	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1139/N1075	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1140/N1072	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1141/N1071	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1073/N1142	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1075/N1143	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1074/N1144	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1071/N1145	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1072/N1146	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N938/N998	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N939/N999	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N940/N1000	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N941/N1001	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N942/N1002	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N943/N1003	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N998/N1038	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N999/N1039	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1000/N1040	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1001/N1041	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1002/N1042	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1003/N1043	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1147/N1078	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1148/N1079	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1149/N1080	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1150/N1081	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1151/N1082	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1152/N1083	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1078/N1153	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1079/N1154	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1080/N1155	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1081/N1156	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1082/N1157	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1083/N1158	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1085/N1159	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1086/N1160	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1088/N1161	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1089/N1162	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1087/N1163	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1164/N1085	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1165/N1086	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1166/N1088	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1167/N1089	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1168/N1087	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1005/N1045	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1006/N1046	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1008/N1048	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1009/N1049	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1007/N1047	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N945/N1005	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N946/N1006	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N948/N1008	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N949/N1009	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N947/N1007	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N953/N1013	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N954/N1014	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N955/N1015	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N952/N1012	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N951/N1011	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1013/N1053	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1014/N1054	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1015/N1055	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1012/N1052	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1011/N1051	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1169/N1093	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1170/N1094	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1171/N1095	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1172/N1092	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1173/N1091	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1093/N1174	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1095/N1175	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1094/N1176	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1091/N1177	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1092/N1178	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1018/N1179	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1019/N1180	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1020/N1181	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1021/N1182	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1022/N1183	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1023/N1184	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1025/N1185	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1026/N1186	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1028/N1187	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1029/N1188	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1027/N1189	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1033/N1190	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1034/N1191	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1035/N1192	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1032/N1193	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1031/N1194	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1038/N1195	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1039/N1196	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1040/N1197	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1041/N1198	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1042/N1199	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1043/N1200	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1045/N1201	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1046/N1202	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1048/N1203	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1049/N1204	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1047/N1205	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1053/N1206	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1054/N1207	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1055/N1208	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1052/N1209	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1051/N1210	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1211/N1097	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N1097/N1104	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N1104/N1113	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N1212/N1098	1.610 1.610	0.32 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.32 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N1098/N1105	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N1105/N1114	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N1213/N1100	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1100/N1103	0.660 0.660	0.17 L/(>1000)	1.990 1.990	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N1103/N1110	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N1214/N1099	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N1099/N1106	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N1106/N1109	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N1215/N1102	1.610 1.610	0.39 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.39 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N1102/N1107	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N1107/N1111	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N1216/N1101	1.610 1.610	0.33 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.33 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N1101/N1108	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N1108/N1112	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N1050/N1105	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N1030/N1104	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.6	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.6
N958/N938	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N958/N940	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N940/N961	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N961/N943	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N943/N964	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N638/N618	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N638/N620	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N620/N641	0.693 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.693 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N641/N623	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N623/N644	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N22/N2	0.594 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.594 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N22/N4	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4/N25	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N25/N7	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N7/N28	0.000 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N346/N363	0.097 -	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 -	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)
N346/N365	0.562 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.562 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N365/N349	0.326 -	0.00 L/(>1000)	0.164 0.164	0.00 L/(>1000)	0.326 -	0.00 L/(>1000)	0.164 0.164	0.00 L/(>1000)
N349/N368	0.562 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.562 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N368/N321	0.000 -	0.00 L/(>1000)	0.181 0.181	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.181 0.181	0.00 L/(>1000)
N964/N946	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N946/N967	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N967/N949	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N949/N970	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N970/N952	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N952/N973	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N973/N955	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N955/N976	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N644/N626	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N626/N647	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N647/N629	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N629/N650	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N650/N632	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N632/N653	0.350 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.350 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N653/N635	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N635/N656	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N28/N10	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N10/N31	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N31/N13	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N13/N34	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N34/N16	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N16/N37	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N37/N19	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N19/N40	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N321/N371	0.281 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.281 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N371/N354	0.330 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)	0.330 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)
N354/N374	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N374/N329	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)
N329/N377	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N377/N359	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N359/N380	0.000 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N380/N337	0.330 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)	0.330 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)
N919/N911	1.456 1.456	0.26 L/(>1000)	1.040 1.040	2.82 L/883.8	1.456 1.456	0.26 L/(>1000)	1.040 1.040	2.87 L/883.8
N1529/N1536	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)
N1536/N1542	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N1542/N1548	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N1549/N1556	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.31 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.31 L/(>1000)
N1556/N1562	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.19 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.19 L/(>1000)
N1562/N1568	1.550 1.550	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.550 1.550	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N1569/N1578	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1578/N1586	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N1586/N1594	1.070 1.070	0.27 L/(>1000)	1.550 0.880	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 0.880	0.01 L/(>1000)
N1595/N1604	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N1604/N1612	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N1612/N1620	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N1621/N1630	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1630/N1638	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N1638/N1646	1.070 1.070	0.28 L/(>1000)	1.330 0.880	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.330 0.880	0.01 L/(>1000)
N1647/N1656	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N1656/N1664	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N1664/N1672	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N1673/N1682	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.37 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1682/N1690	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N1690/N1698	1.070 1.070	0.36 L/(>1000)	1.550 0.880	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 0.880	0.01 L/(>1000)
N1699/N1708	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N1708/N1716	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N1716/N1724	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N1556/N1536	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N1556/N1578	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N1578/N1604	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1536/N1604	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N1578/N1630	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N1630/N1656	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1604/N1656	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N1725/N1726	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1726/N1727	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N1728/N1727	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1725/N1728	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N1727/N1708	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7
N1682/N1708	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1728/N1682	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N1708/N1729	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N1730/N1729	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1682/N1730	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N1562/N1542	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N1542/N1612	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.09 L/538.0
N1562/N1586	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1586/N1612	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1586/N1638	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N1612/N1664	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N1638/N1664	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1732/N1731	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N1733/N1734	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N1731/N1734	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1734/N1716	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N1690/N1716	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1731/N1690	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N1690/N1735	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N1716/N1736	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/542.9	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/542.9
N1735/N1736	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1732/N1733	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1568/N1548	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N1594/N1620	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1646/N1672	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1738/N1737	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1698/N1724	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1739/N1740	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1741/N1742	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1536/N964	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N1604/N984	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N1656/N1024	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1726/N1097	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1727/N1100	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1708/N1064	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N1729/N1102	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N1542/N970	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.472 0.709	0.00 L/(>1000)
N1612/N990	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1664/N1030	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1733/N1104	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1734/N1103	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1716/N1070	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1736/N1107	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.486 0.243	0.00 L/(>1000)
N1548/N976	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)
N1620/N996	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N1672/N1036	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1742/N1113	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N1737/N1110	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1724/N1076	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N1740/N1111	0.730 0.730	0.00 L/(>1000)	0.486 0.730	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.730	0.00 L/(>1000)
N1630/N1725	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3
N1656/N1726	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N1550/N1570	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1551/N1571	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1552/N1572	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1553/N1574	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1554/N1575	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1555/N1576	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1570/N1622	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1571/N1623	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1572/N1624	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1574/N1626	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1575/N1627	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1576/N1628	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1743/N1674	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1744/N1675	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1745/N1676	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1746/N1678	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1747/N1679	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1748/N1680	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1674/N1749	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1675/N1750	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1676/N1751	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1678/N1752	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1679/N1753	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1680/N1754	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1683/N1755	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1684/N1756	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1687/N1757	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1688/N1758	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1686/N1759	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1760/N1683	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1761/N1684	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1762/N1687	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1763/N1688	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1764/N1686	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1579/N1631	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1580/N1632	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1583/N1635	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1584/N1636	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1582/N1634	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1557/N1579	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1558/N1580	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1560/N1583	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1561/N1584	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1559/N1582	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1565/N1590	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1566/N1591	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1567/N1592	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1564/N1588	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1563/N1587	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1590/N1642	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1591/N1643	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1592/N1644	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1588/N1640	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1587/N1639	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1765/N1694	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1766/N1695	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1767/N1696	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1768/N1692	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1769/N1691	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1694/N1770	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1696/N1771	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1695/N1772	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1691/N1773	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1692/N1774	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1530/N1596	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1531/N1597	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1532/N1599	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1533/N1600	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1534/N1601	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1535/N1603	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1596/N1648	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1597/N1649	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1599/N1651	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1600/N1652	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1601/N1653	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1603/N1655	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1775/N1700	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1776/N1701	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1777/N1703	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1778/N1704	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1779/N1705	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1780/N1707	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1700/N1781	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1701/N1782	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1703/N1783	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1704/N1784	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1705/N1785	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1707/N1786	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1709/N1787	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1711/N1788	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1713/N1789	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1715/N1790	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1712/N1791	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1792/N1709	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1793/N1711	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1794/N1713	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1795/N1715	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1796/N1712	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1605/N1657	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1607/N1659	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1609/N1661	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1611/N1663	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1608/N1660	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1537/N1605	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1538/N1607	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1540/N1609	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1541/N1611	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1539/N1608	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1545/N1616	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1546/N1617	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1547/N1619	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1544/N1615	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1543/N1613	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1616/N1668	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1617/N1669	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1619/N1671	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1615/N1667	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1613/N1665	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1797/N1720	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1798/N1721	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1799/N1723	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1800/N1719	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1801/N1717	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1720/N1802	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1723/N1803	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1721/N1804	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1717/N1805	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1719/N1806	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1622/N1807	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1623/N1808	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1624/N1809	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1626/N1810	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1627/N1811	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1628/N1812	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1631/N1813	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1632/N1814	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1635/N1815	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1636/N1816	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1634/N1817	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1642/N1818	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1643/N1819	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1644/N1820	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1640/N1821	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1639/N1822	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1648/N1823	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1649/N1824	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1651/N1825	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1652/N1826	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1653/N1827	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1655/N1828	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1657/N1829	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1659/N1830	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1661/N1831	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1663/N1832	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1660/N1833	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1668/N1834	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1669/N1835	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1671/N1836	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1667/N1837	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1665/N1838	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1839/N1725	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N1725/N1732	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N1732/N1741	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N1846/N1726	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N1726/N1733	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N1733/N1742	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N1853/N1728	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1728/N1731	0.660 0.660	0.17 L/(>1000)	1.990 1.990	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N1731/N1738	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N1860/N1727	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N1727/N1734	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N1734/N1737	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N1867/N1730	1.610 1.610	0.39 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.39 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N1730/N1735	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N1735/N1739	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N1874/N1729	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N1729/N1736	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N1736/N1740	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N1664/N1733	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N1638/N1732	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N1881/N1888	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)
N1888/N1894	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N1894/N1900	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N1901/N1908	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.31 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.31 L/(>1000)
N1908/N1914	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N1914/N1920	1.550 1.550	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.550 1.550	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N1921/N1930	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1930/N1938	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N1938/N1946	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N1947/N1956	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N1956/N1964	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1964/N1972	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N1973/N1982	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N1982/N1990	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N1990/N1998	1.070 1.070	0.28 L/(>1000)	1.550 0.880	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.550 0.880	0.01 L/(>1000)
N1999/N2008	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N2008/N2016	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N2016/N2024	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N2025/N2034	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N2034/N2042	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N2042/N2050	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2051/N2060	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N2060/N2068	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N2068/N2076	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N1908/N1888	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N1908/N1930	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N1930/N1956	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1888/N1956	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N1930/N1982	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N1982/N2008	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1956/N2008	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N2077/N2078	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2078/N2079	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N2080/N2079	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2077/N2080	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N2079/N2060	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7
N2034/N2060	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2080/N2034	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N2060/N2081	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N2082/N2081	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2034/N2082	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N1914/N1894	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N1894/N1964	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N1914/N1938	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3
N1938/N1964	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N1938/N1990	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N1964/N2016	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N1990/N2016	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2084/N2083	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N2085/N2086	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N2083/N2086	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2086/N2068	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N2042/N2068	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2083/N2042	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N2042/N2087	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N2068/N2088	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/542.9	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/542.9
N2087/N2088	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2084/N2085	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1920/N1900	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N1946/N1972	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1998/N2024	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2090/N2089	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2050/N2076	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2091/N2092	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2093/N2094	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N1888/N1556	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N1956/N1578	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N2008/N1630	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2078/N1725	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2079/N1728	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2060/N1682	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N2081/N1730	0.730 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N1894/N1562	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.472 0.709	0.00 L/(>1000)
N1964/N1586	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2016/N1638	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2085/N1732	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2086/N1731	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2068/N1690	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2088/N1735	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.486 0.243	0.00 L/(>1000)
N1900/N1568	0.236 0.236	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)
N1972/N1594	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2024/N1646	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2094/N1741	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2089/N1738	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2076/N1698	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2092/N1739	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N1982/N2077	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3
N2008/N2078	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N1902/N1922	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1903/N1923	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1904/N1924	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1905/N1926	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1906/N1927	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1907/N1928	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1922/N1974	0.437 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1923/N1975	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1924/N1976	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1926/N1978	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1927/N1979	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1928/N1980	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2095/N2026	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2096/N2027	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2097/N2028	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2098/N2030	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2099/N2031	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2100/N2032	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2026/N2101	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2027/N2102	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2028/N2103	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2030/N2104	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2031/N2105	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2032/N2106	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2035/N2107	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2036/N2108	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2039/N2109	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2040/N2110	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2038/N2111	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2112/N2035	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2113/N2036	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2114/N2039	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2115/N2040	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2116/N2038	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1931/N1983	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1932/N1984	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1935/N1987	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1936/N1988	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1934/N1986	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1909/N1931	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1910/N1932	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1912/N1935	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1913/N1936	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1911/N1934	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1917/N1942	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1918/N1943	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1919/N1944	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1916/N1940	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1915/N1939	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1942/N1994	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1943/N1995	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1944/N1996	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1940/N1992	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1939/N1991	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2117/N2046	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2118/N2047	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2119/N2048	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2120/N2044	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2121/N2043	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2046/N2122	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2048/N2123	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2047/N2124	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2043/N2125	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2044/N2126	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1882/N1948	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1883/N1949	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1884/N1951	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1885/N1952	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1886/N1953	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1887/N1955	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1948/N2000	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1949/N2001	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1951/N2003	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1952/N2004	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1953/N2005	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1955/N2007	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2127/N2052	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2128/N2053	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2129/N2055	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2130/N2056	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2131/N2057	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2132/N2059	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2052/N2133	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2053/N2134	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2055/N2135	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2056/N2136	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2057/N2137	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2059/N2138	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2061/N2139	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2063/N2140	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2065/N2141	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2067/N2142	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2064/N2143	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2144/N2061	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2145/N2063	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2146/N2065	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2147/N2067	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2148/N2064	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1957/N2009	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1959/N2011	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1961/N2013	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1963/N2015	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1960/N2012	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1889/N1957	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1890/N1959	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1892/N1961	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1893/N1963	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1891/N1960	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1897/N1968	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1898/N1969	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1899/N1971	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1896/N1967	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1895/N1965	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N1968/N2020	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1969/N2021	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1971/N2023	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1967/N2019	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N1965/N2017	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2149/N2072	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2150/N2073	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2151/N2075	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2152/N2071	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2153/N2069	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2072/N2154	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2075/N2155	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2073/N2156	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2069/N2157	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2071/N2158	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1974/N2159	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1975/N2160	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1976/N2161	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1978/N2162	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1979/N2163	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1980/N2164	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1983/N2165	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1984/N2166	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1987/N2167	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1988/N2168	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1986/N2169	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1994/N2170	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1995/N2171	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1996/N2172	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1992/N2173	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N1991/N2174	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2000/N2175	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2001/N2176	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2003/N2177	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2004/N2178	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2005/N2179	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2007/N2180	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2009/N2181	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2011/N2182	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2013/N2183	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2015/N2184	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2012/N2185	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2020/N2186	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2021/N2187	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2023/N2188	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2019/N2189	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2017/N2190	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2191/N2077	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N2077/N2084	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N2084/N2093	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N2198/N2078	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N2078/N2085	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N2085/N2094	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N2205/N2080	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N2080/N2083	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N2083/N2090	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N2212/N2079	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N2079/N2086	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N2086/N2089	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N2219/N2082	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N2082/N2087	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N2087/N2091	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2226/N2081	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N2081/N2088	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N2088/N2092	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N2016/N2085	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N1990/N2084	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N1902/N1882	0.594 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.594 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N1902/N1884	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1884/N1905	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N1905/N1887	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1887/N1908	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N1550/N1530	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N1550/N1532	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1532/N1553	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N1553/N1535	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1535/N1556	0.000 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N1908/N1890	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1890/N1911	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N1911/N1893	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1893/N1914	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1914/N1896	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1896/N1917	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N1917/N1899	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1899/N1920	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1556/N1538	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1538/N1559	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N1559/N1541	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1541/N1562	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1562/N1544	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N1544/N1565	0.350 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.350 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N1565/N1547	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)

Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1547/N1568	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2233/N2240	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)
N2240/N2246	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N2246/N2252	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N2253/N2260	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)
N2260/N2266	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N2266/N2272	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N2273/N2282	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N2282/N2290	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N2290/N2298	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2299/N2308	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N2308/N2316	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N2316/N2324	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N2325/N2334	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N2334/N2342	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N2342/N2350	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2351/N2360	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N2360/N2368	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N2368/N2376	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N2377/N2386	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N2386/N2394	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N2394/N2402	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2403/N2412	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N2412/N2420	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N2420/N2428	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N2260/N2240	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2260/N2282	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N2282/N2308	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2240/N2308	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N2282/N2334	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N2334/N2360	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2308/N2360	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N2429/N2430	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2430/N2431	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.361 0.361	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N2432/N2431	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2429/N2432	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N2431/N2412	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.7
N2386/N2412	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2432/N2386	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N2412/N2433	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N2434/N2433	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2386/N2434	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N2266/N2246	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2246/N2316	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N2266/N2290	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3
N2290/N2316	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2290/N2342	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2316/N2368	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N2342/N2368	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2436/N2435	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N2437/N2438	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N2435/N2438	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2438/N2420	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N2394/N2420	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2435/N2394	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N2394/N2439	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N2420/N2440	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/542.9	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/542.9
N2439/N2440	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2436/N2437	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2272/N2252	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2298/N2324	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2350/N2376	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2442/N2441	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2402/N2428	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2443/N2444	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2445/N2446	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2240/N1908	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N2308/N1930	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N2360/N1982	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2430/N2077	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2431/N2080	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2412/N2034	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N2433/N2082	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N2246/N1914	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.472 0.709	0.00 L/(>1000)
N2316/N1938	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2368/N1990	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2437/N2084	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2438/N2083	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2420/N2042	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2440/N2087	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.243	0.00 L/(>1000)
N2252/N1920	0.709 0.709	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.472 0.709	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)
N2324/N1946	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2376/N1998	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2446/N2093	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2441/N2090	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2428/N2050	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2444/N2091	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N2334/N2429	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3
N2360/N2430	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N2254/N2274	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2255/N2275	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2256/N2276	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2257/N2278	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2258/N2279	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2259/N2280	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2274/N2326	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2275/N2327	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2276/N2328	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2278/N2330	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2279/N2331	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2280/N2332	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2447/N2378	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2448/N2379	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2449/N2380	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2450/N2382	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2451/N2383	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2452/N2384	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2378/N2453	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2379/N2454	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2380/N2455	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2382/N2456	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2383/N2457	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2384/N2458	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2387/N2459	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2388/N2460	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2391/N2461	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2392/N2462	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2390/N2463	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2464/N2387	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2465/N2388	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2466/N2391	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2467/N2392	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2468/N2390	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2283/N2335	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2284/N2336	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2287/N2339	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2288/N2340	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2286/N2338	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2261/N2283	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2262/N2284	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2264/N2287	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2265/N2288	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2263/N2286	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2269/N2294	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2270/N2295	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2271/N2296	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2268/N2292	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2267/N2291	0.220 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.220 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2294/N2346	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2295/N2347	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2296/N2348	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2292/N2344	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2291/N2343	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2469/N2398	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2470/N2399	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2471/N2400	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2472/N2396	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2473/N2395	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2398/N2474	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2400/N2475	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2399/N2476	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2395/N2477	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2396/N2478	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2234/N2300	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2235/N2301	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2236/N2303	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2237/N2304	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2238/N2305	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2239/N2307	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2300/N2352	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2301/N2353	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2303/N2355	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2304/N2356	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2305/N2357	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2307/N2359	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2479/N2404	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2480/N2405	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2481/N2407	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2482/N2408	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2483/N2409	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2484/N2411	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2404/N2485	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2405/N2486	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2407/N2487	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2408/N2488	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2409/N2489	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2411/N2490	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2413/N2491	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2415/N2492	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2417/N2493	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2419/N2494	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2416/N2495	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2496/N2413	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2497/N2415	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2498/N2417	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2499/N2419	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2500/N2416	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2309/N2361	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2311/N2363	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2313/N2365	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2315/N2367	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2312/N2364	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2241/N2309	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2242/N2311	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2244/N2313	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2245/N2315	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2243/N2312	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2249/N2320	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2250/N2321	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2251/N2323	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2248/N2319	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2247/N2317	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2320/N2372	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2321/N2373	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2323/N2375	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2319/N2371	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2317/N2369	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2501/N2424	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2502/N2425	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2503/N2427	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2504/N2423	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2505/N2421	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2424/N2506	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2427/N2507	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2425/N2508	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2421/N2509	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2423/N2510	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2326/N2511	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2327/N2512	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2328/N2513	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2330/N2514	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2331/N2515	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2332/N2516	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2335/N2517	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2336/N2518	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2339/N2519	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2340/N2520	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2338/N2521	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2346/N2522	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2347/N2523	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2348/N2524	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2344/N2525	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2343/N2526	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2352/N2527	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2353/N2528	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2355/N2529	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2356/N2530	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2357/N2531	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2359/N2532	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2361/N2533	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2363/N2534	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2365/N2535	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2367/N2536	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2364/N2537	0.001 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.001 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2372/N2538	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2373/N2539	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2375/N2540	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2371/N2541	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2369/N2542	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2543/N2429	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N2429/N2436	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N2436/N2445	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N2550/N2430	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N2430/N2437	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N2437/N2446	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N2557/N2432	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N2432/N2435	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N2435/N2442	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N2564/N2431	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N2431/N2438	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N2438/N2441	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N2571/N2434	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N2434/N2439	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N2439/N2443	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2578/N2433	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N2433/N2440	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N2440/N2444	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N2368/N2437	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N2342/N2436	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N2585/N2592	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.28 L/(>1000)
N2592/N2598	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N2598/N2604	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N2605/N2612	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)
N2612/N2618	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N2618/N2624	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N2625/N2634	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N2634/N2642	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N2642/N2650	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2651/N2660	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N2660/N2668	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N2668/N2676	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N2677/N2686	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2686/N2694	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N2694/N2702	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2703/N2712	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N2712/N2720	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N2720/N2728	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N2729/N2738	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N2738/N2746	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N2746/N2754	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2755/N2764	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N2764/N2772	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N2772/N2780	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N2612/N2592	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2612/N2634	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N2634/N2660	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2592/N2660	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N2634/N2686	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N2686/N2712	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2660/N2712	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N2781/N2782	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2782/N2783	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N2784/N2783	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2781/N2784	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N2783/N2764	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8
N2738/N2764	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2784/N2738	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N2764/N2785	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N2786/N2785	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2738/N2786	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N2618/N2598	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2598/N2668	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N2618/N2642	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3
N2642/N2668	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2642/N2694	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N2668/N2720	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N2694/N2720	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2788/N2787	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N2789/N2790	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N2787/N2790	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2790/N2772	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N2746/N2772	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2787/N2746	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N2746/N2791	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N2772/N2792	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0
N2791/N2792	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2788/N2789	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2624/N2604	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2650/N2676	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2702/N2728	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2794/N2793	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2754/N2780	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2795/N2796	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2797/N2798	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2592/N2260	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N2660/N2282	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N2712/N2334	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2782/N2429	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2783/N2432	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2764/N2386	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N2785/N2434	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N2598/N2266	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.472 0.709	0.00 L/(>1000)
N2668/N2290	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2720/N2342	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2789/N2436	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2790/N2435	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2772/N2394	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N2792/N2439	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N2604/N2272	0.709 0.709	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)
N2676/N2298	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2728/N2350	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2798/N2445	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2793/N2442	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2780/N2402	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N2796/N2443	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N2686/N2781	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3
N2712/N2782	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N2606/N2626	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2607/N2627	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2608/N2628	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2609/N2630	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2610/N2631	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2611/N2632	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2626/N2678	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2627/N2679	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2628/N2680	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2630/N2682	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2631/N2683	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2632/N2684	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2799/N2730	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2800/N2731	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2801/N2732	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2802/N2734	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2803/N2735	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2804/N2736	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2730/N2805	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2731/N2806	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2732/N2807	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2734/N2808	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2735/N2809	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2736/N2810	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2739/N2811	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2740/N2812	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2743/N2813	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2744/N2814	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2742/N2815	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2816/N2739	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2817/N2740	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2818/N2743	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2819/N2744	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2820/N2742	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2635/N2687	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2636/N2688	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2639/N2691	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2640/N2692	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2638/N2690	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2613/N2635	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2614/N2636	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2616/N2639	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2617/N2640	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2615/N2638	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2621/N2646	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2622/N2647	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2623/N2648	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2620/N2644	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2619/N2643	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2646/N2698	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2647/N2699	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2648/N2700	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2644/N2696	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2643/N2695	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2821/N2750	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2822/N2751	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2823/N2752	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2824/N2748	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2825/N2747	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2750/N2826	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2752/N2827	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2751/N2828	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2747/N2829	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2748/N2830	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2586/N2652	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2587/N2653	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2588/N2655	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2589/N2656	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2590/N2657	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2591/N2659	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2652/N2704	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2653/N2705	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2655/N2707	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2656/N2708	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2657/N2709	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2659/N2711	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2831/N2756	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2832/N2757	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2833/N2759	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2834/N2760	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2835/N2761	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2836/N2763	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2756/N2837	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2757/N2838	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2759/N2839	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2760/N2840	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2761/N2841	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2763/N2842	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2765/N2843	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2767/N2844	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2769/N2845	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2771/N2846	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2768/N2847	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2848/N2765	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2849/N2767	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2850/N2769	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2851/N2771	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2852/N2768	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2661/N2713	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2663/N2715	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2665/N2717	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2667/N2719	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2664/N2716	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2593/N2661	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2594/N2663	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2596/N2665	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2597/N2667	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2595/N2664	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2601/N2672	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2602/N2673	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2603/N2675	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2600/N2671	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2599/N2669	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2672/N2724	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2673/N2725	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2675/N2727	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2671/N2723	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2669/N2721	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2853/N2776	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2854/N2777	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2855/N2779	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2856/N2775	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2857/N2773	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2776/N2858	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2779/N2859	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2777/N2860	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2773/N2861	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2775/N2862	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2678/N2863	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2679/N2864	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2680/N2865	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2682/N2866	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2683/N2867	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2684/N2868	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2687/N2869	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2688/N2870	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2691/N2871	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2692/N2872	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2690/N2873	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2698/N2874	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2699/N2875	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2700/N2876	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2696/N2877	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2695/N2878	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2704/N2879	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2705/N2880	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2707/N2881	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2708/N2882	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2709/N2883	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2711/N2884	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2713/N2885	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2715/N2886	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2717/N2887	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2719/N2888	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2716/N2889	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2724/N2890	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2725/N2891	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2727/N2892	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2723/N2893	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2721/N2894	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2895/N2781	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N2781/N2788	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N2788/N2797	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N2902/N2782	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N2782/N2789	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N2789/N2798	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N2909/N2784	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N2784/N2787	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N2787/N2794	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N2916/N2783	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N2783/N2790	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N2790/N2793	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N2923/N2786	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N2786/N2791	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N2791/N2795	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N2930/N2785	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N2785/N2792	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N2792/N2796	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N2720/N2789	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N2694/N2788	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N2606/N2586	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2606/N2588	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2588/N2609	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N2609/N2591	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2591/N2612	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N2254/N2234	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2254/N2236	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2236/N2257	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N2257/N2239	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2239/N2260	0.000 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N2612/N2594	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2594/N2615	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N2615/N2597	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2597/N2618	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2618/N2600	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2600/N2621	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N2621/N2603	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2603/N2624	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2260/N2242	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2242/N2263	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N2263/N2245	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2245/N2266	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2266/N2248	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2248/N2269	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N2269/N2251	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2251/N2272	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2937/N2944	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2944/N2950	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N2950/N2956	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N2957/N2964	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)
N2964/N2970	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N2970/N2976	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N2977/N2986	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N2986/N2994	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N2994/N3002	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3003/N3012	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3012/N3020	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3020/N3028	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N3029/N3038	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N3038/N3046	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N3046/N3054	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3055/N3064	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3064/N3072	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3072/N3080	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N3081/N3090	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N3090/N3098	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.02 L/(>1000)
N3098/N3106	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3107/N3116	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3116/N3124	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3124/N3132	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N2964/N2944	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2964/N2986	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N2986/N3012	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2944/N3012	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N2986/N3038	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N3038/N3064	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3012/N3064	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N3133/N3134	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3134/N3135	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N3136/N3135	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3133/N3136	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N3135/N3116	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8
N3090/N3116	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3136/N3090	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N3116/N3137	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N3138/N3137	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3090/N3138	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N2970/N2950	0.594 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2950/N3020	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N2970/N2994	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3
N2994/N3020	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2994/N3046	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N3020/N3072	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N3046/N3072	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3140/N3139	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N3141/N3142	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N3139/N3142	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3142/N3124	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N3098/N3124	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3139/N3098	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N3098/N3143	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N3124/N3144	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0
N3143/N3144	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3140/N3141	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N2976/N2956	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3002/N3028	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3054/N3080	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3146/N3145	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3106/N3132	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3147/N3148	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3149/N3150	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N2944/N2612	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N3012/N2634	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3064/N2686	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3134/N2781	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3135/N2784	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3116/N2738	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3137/N2786	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N2950/N2618	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N3020/N2642	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3072/N2694	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3141/N2788	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3142/N2787	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3124/N2746	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3144/N2791	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N2956/N2624	0.709 0.709	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)
N3028/N2650	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3080/N2702	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3150/N2797	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3145/N2794	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3132/N2754	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3148/N2795	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N3038/N3133	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3
N3064/N3134	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N2958/N2978	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2959/N2979	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2960/N2980	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2961/N2982	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2962/N2983	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2963/N2984	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2978/N3030	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2979/N3031	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2980/N3032	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2982/N3034	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2983/N3035	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2984/N3036	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3151/N3082	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3152/N3083	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3153/N3084	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3154/N3086	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3155/N3087	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3156/N3088	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3082/N3157	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3083/N3158	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3084/N3159	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3086/N3160	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3087/N3161	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3088/N3162	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3091/N3163	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3092/N3164	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3095/N3165	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3096/N3166	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3094/N3167	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3168/N3091	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3169/N3092	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3170/N3095	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3171/N3096	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3172/N3094	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2987/N3039	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2988/N3040	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2991/N3043	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2992/N3044	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2990/N3042	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2965/N2987	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2966/N2988	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2968/N2991	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2969/N2992	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2967/N2990	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2973/N2998	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2974/N2999	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2975/N3000	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2972/N2996	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2971/N2995	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2998/N3050	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2999/N3051	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3000/N3052	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2996/N3048	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2995/N3047	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3173/N3102	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3174/N3103	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3175/N3104	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3176/N3100	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3177/N3099	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3102/N3178	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3104/N3179	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3103/N3180	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3099/N3181	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3100/N3182	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N2938/N3004	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2939/N3005	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2940/N3007	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2941/N3008	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2942/N3009	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2943/N3011	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3004/N3056	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3005/N3057	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3007/N3059	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3008/N3060	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3009/N3061	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3011/N3063	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3183/N3108	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3184/N3109	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3185/N3111	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3186/N3112	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3187/N3113	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3188/N3115	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3108/N3189	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3109/N3190	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3111/N3191	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3112/N3192	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3113/N3193	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3115/N3194	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3117/N3195	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3119/N3196	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3121/N3197	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3123/N3198	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3120/N3199	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3200/N3117	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3201/N3119	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3202/N3121	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3203/N3123	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3204/N3120	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3013/N3065	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3015/N3067	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3017/N3069	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3019/N3071	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3016/N3068	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N2945/N3013	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2946/N3015	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2948/N3017	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2949/N3019	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2947/N3016	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2953/N3024	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2954/N3025	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2955/N3027	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2952/N3023	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N2951/N3021	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3024/N3076	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3025/N3077	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3027/N3079	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3023/N3075	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3021/N3073	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3205/N3128	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3206/N3129	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3207/N3131	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3208/N3127	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3209/N3125	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3128/N3210	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3131/N3211	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3129/N3212	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3125/N3213	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3127/N3214	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3030/N3215	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3031/N3216	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3032/N3217	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3034/N3218	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3035/N3219	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3036/N3220	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3039/N3221	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3040/N3222	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3043/N3223	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3044/N3224	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3042/N3225	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3050/N3226	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3051/N3227	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3052/N3228	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3048/N3229	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3047/N3230	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3056/N3231	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3057/N3232	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3059/N3233	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3060/N3234	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3061/N3235	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3063/N3236	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3065/N3237	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3067/N3238	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3069/N3239	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3071/N3240	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3068/N3241	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3076/N3242	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3077/N3243	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3079/N3244	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3075/N3245	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3073/N3246	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3247/N3133	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N3133/N3140	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N3140/N3149	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N3254/N3134	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N3134/N3141	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N3141/N3150	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N3261/N3136	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N3136/N3139	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N3139/N3146	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N3268/N3135	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N3135/N3142	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N3142/N3145	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N3275/N3138	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N3138/N3143	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N3143/N3147	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3282/N3137	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N3137/N3144	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N3144/N3148	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N3072/N3141	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N3046/N3140	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N3289/N3296	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)
N3296/N3302	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N3302/N3308	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N3309/N3316	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)
N3316/N3322	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N3322/N3328	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N3329/N3338	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N3338/N3346	1.990 1.990	0.18 L/(>1000)	2.210 2.210	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N3346/N3354	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3355/N3364	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3364/N3372	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3372/N3380	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N3381/N3390	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N3390/N3398	1.990 1.990	0.15 L/(>1000)	2.210 2.210	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N3398/N3406	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3407/N3416	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3416/N3424	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3424/N3432	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N3433/N3442	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N3442/N3450	0.660 0.660	0.19 L/(>1000)	2.210 2.210	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N3450/N3458	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3459/N3468	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3468/N3476	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3476/N3484	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N3316/N3296	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3316/N3338	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N3338/N3364	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3296/N3364	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N3338/N3390	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N3390/N3416	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3364/N3416	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N3485/N3486	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3486/N3487	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N3488/N3487	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3485/N3488	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N3487/N3468	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8
N3442/N3468	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3488/N3442	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N3468/N3489	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N3490/N3489	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3442/N3490	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N3322/N3302	0.594 0.594	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3302/N3372	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N3322/N3346	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3
N3346/N3372	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3346/N3398	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N3372/N3424	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N3398/N3424	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3492/N3491	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N3493/N3494	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N3491/N3494	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3494/N3476	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N3450/N3476	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3491/N3450	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N3450/N3495	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N3476/N3496	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0
N3495/N3496	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3492/N3493	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3328/N3308	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3354/N3380	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3406/N3432	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3498/N3497	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3458/N3484	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3499/N3500	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3501/N3502	0.156 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3296/N2964	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N3364/N2986	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3416/N3038	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3486/N3133	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3487/N3136	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3468/N3090	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3489/N3138	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N3302/N2970	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N3372/N2994	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3424/N3046	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3493/N3140	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3494/N3139	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3476/N3098	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3496/N3143	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N3308/N2976	0.236 0.709	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.236 0.709	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)
N3380/N3002	0.243 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3432/N3054	0.243 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3502/N3149	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3497/N3146	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3484/N3106	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3500/N3147	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N3390/N3485	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.3
N3416/N3486	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N3310/N3330	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3311/N3331	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3312/N3332	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3313/N3334	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3314/N3335	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3315/N3336	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3330/N3382	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3331/N3383	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3332/N3384	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3334/N3386	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3335/N3387	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3336/N3388	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3503/N3434	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3504/N3435	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3505/N3436	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3506/N3438	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3507/N3439	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3508/N3440	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3434/N3509	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3435/N3510	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3436/N3511	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3438/N3512	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3439/N3513	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3440/N3514	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3443/N3515	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3444/N3516	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3447/N3517	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3448/N3518	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3446/N3519	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3520/N3443	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3521/N3444	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3522/N3447	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3523/N3448	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3524/N3446	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3339/N3391	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3340/N3392	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3343/N3395	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3344/N3396	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3342/N3394	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3317/N3339	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3318/N3340	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3320/N3343	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3321/N3344	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3319/N3342	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3325/N3350	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3326/N3351	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3327/N3352	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3324/N3348	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3323/N3347	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3350/N3402	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3351/N3403	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3352/N3404	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3348/N3400	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3347/N3399	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3525/N3454	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3526/N3455	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3527/N3456	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3528/N3452	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3529/N3451	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3454/N3530	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3456/N3531	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3455/N3532	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3451/N3533	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3452/N3534	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3290/N3356	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3291/N3357	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3292/N3359	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3293/N3360	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3294/N3361	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3295/N3363	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3356/N3408	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3357/N3409	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3359/N3411	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3360/N3412	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3361/N3413	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3363/N3415	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3535/N3460	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3536/N3461	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3537/N3463	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3538/N3464	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3539/N3465	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3540/N3467	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3460/N3541	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3461/N3542	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3463/N3543	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3464/N3544	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3465/N3545	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3467/N3546	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3469/N3547	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3471/N3548	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3473/N3549	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3475/N3550	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3472/N3551	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3552/N3469	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3553/N3471	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3554/N3473	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3555/N3475	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3556/N3472	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3365/N3417	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3367/N3419	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3369/N3421	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3371/N3423	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3368/N3420	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3297/N3365	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3298/N3367	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3300/N3369	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3301/N3371	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3299/N3368	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3305/N3376	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3306/N3377	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3307/N3379	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3304/N3375	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3303/N3373	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3376/N3428	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3377/N3429	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3379/N3431	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3375/N3427	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3373/N3425	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3557/N3480	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3558/N3481	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3559/N3483	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3560/N3479	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3561/N3477	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3480/N3562	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3483/N3563	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3481/N3564	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3477/N3565	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3479/N3566	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3382/N3567	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3383/N3568	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3384/N3569	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3386/N3570	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3387/N3571	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3388/N3572	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3391/N3573	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3392/N3574	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3395/N3575	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3396/N3576	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3394/N3577	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3402/N3578	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3403/N3579	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3404/N3580	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3400/N3581	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3399/N3582	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3408/N3583	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3409/N3584	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3411/N3585	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3412/N3586	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3413/N3587	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3415/N3588	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3417/N3589	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3419/N3590	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3421/N3591	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3423/N3592	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3420/N3593	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3428/N3594	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3429/N3595	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3431/N3596	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3427/N3597	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3425/N3598	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3599/N3485	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N3485/N3492	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3492/N3501	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N3606/N3486	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N3486/N3493	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N3493/N3502	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N3613/N3488	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N3488/N3491	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N3491/N3498	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N3620/N3487	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N3487/N3494	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N3494/N3497	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N3627/N3490	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N3490/N3495	2.210 2.210	0.26 L/(>1000)	2.210 2.210	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N3495/N3499	1.070 1.070	0.31 L/(>1000)	1.770 1.770	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.770 1.770	0.01 L/(>1000)
N3634/N3489	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N3489/N3496	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N3496/N3500	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N3424/N3493	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N3398/N3492	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N3310/N3290	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3310/N3292	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3292/N3313	0.693 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.693 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N3313/N3295	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3295/N3316	0.000 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N2958/N2938	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N2958/N2940	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2940/N2961	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N2961/N2943	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2943/N2964	0.333 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.333 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N3316/N3298	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3298/N3319	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N3319/N3301	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3301/N3322	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3322/N3304	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3304/N3325	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N3325/N3307	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3307/N3328	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2964/N2946	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2946/N2967	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N2967/N2949	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2949/N2970	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2970/N2952	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2952/N2973	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N2973/N2955	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N2955/N2976	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.468 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3641/N3648	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)
N3648/N3654	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N3654/N3660	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3661/N3668	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)
N3668/N3674	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N3674/N3680	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N3681/N3690	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N3690/N3698	1.990 1.990	0.18 L/(>1000)	2.210 2.210	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N3698/N3706	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3707/N3716	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3716/N3724	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3724/N3732	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N3733/N3742	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N3742/N3750	1.990 1.990	0.15 L/(>1000)	2.210 2.210	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N3750/N3758	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3759/N3768	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3768/N3776	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3776/N3784	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N3785/N3794	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N3794/N3802	0.660 0.660	0.19 L/(>1000)	2.210 2.210	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N3802/N3810	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N3811/N3820	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N3820/N3828	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N3828/N3836	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N3668/N3648	0.594 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3668/N3690	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N3690/N3716	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3648/N3716	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N3690/N3742	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N3742/N3768	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3716/N3768	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N3837/N3838	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3838/N3839	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.542 0.542	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N3840/N3839	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3837/N3840	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N3839/N3820	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8
N3794/N3820	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3840/N3794	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N3820/N3841	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N3842/N3841	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3794/N3842	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N3674/N3654	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3654/N3724	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N3674/N3698	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3
N3698/N3724	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3698/N3750	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N3724/N3776	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N3750/N3776	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3844/N3843	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N3845/N3846	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3843/N3846	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3846/N3828	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N3802/N3828	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3843/N3802	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N3802/N3847	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N3828/N3848	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0
N3847/N3848	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3844/N3845	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N3680/N3660	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3706/N3732	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3758/N3784	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3850/N3849	0.156 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3810/N3836	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3851/N3852	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3853/N3854	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N3648/N3316	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N3716/N3338	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3768/N3390	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3838/N3485	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3839/N3488	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3820/N3442	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N3841/N3490	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N3654/N3322	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N3724/N3346	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3776/N3398	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3845/N3492	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3846/N3491	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3828/N3450	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N3848/N3495	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N3660/N3328	0.236 0.236	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)
N3732/N3354	0.243 0.243	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)
N3784/N3406	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3854/N3501	0.730 0.730	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3849/N3498	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3836/N3458	0.730 0.730	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N3852/N3499	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N3742/N3837	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.2	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.2
N3768/N3838	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N3662/N3682	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3663/N3683	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3664/N3684	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3665/N3686	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3666/N3687	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3667/N3688	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3682/N3734	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3683/N3735	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3684/N3736	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3686/N3738	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3687/N3739	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3688/N3740	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3855/N3786	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3856/N3787	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3857/N3788	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3858/N3790	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3859/N3791	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3860/N3792	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3786/N3861	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3787/N3862	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3788/N3863	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3790/N3864	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3791/N3865	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3792/N3866	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3795/N3867	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3796/N3868	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3799/N3869	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3800/N3870	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3798/N3871	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3872/N3795	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3873/N3796	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3874/N3799	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3875/N3800	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3876/N3798	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3691/N3743	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3692/N3744	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3695/N3747	0.437 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3696/N3748	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3694/N3746	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3669/N3691	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3670/N3692	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3672/N3695	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3673/N3696	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3671/N3694	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3677/N3702	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3678/N3703	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3679/N3704	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3676/N3700	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3675/N3699	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3702/N3754	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3703/N3755	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3704/N3756	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3700/N3752	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3699/N3751	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3877/N3806	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3878/N3807	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3879/N3808	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3880/N3804	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3881/N3803	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3806/N3882	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3808/N3883	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3807/N3884	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3803/N3885	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3804/N3886	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3642/N3708	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3643/N3709	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3644/N3711	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3645/N3712	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3646/N3713	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3647/N3715	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3708/N3760	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3709/N3761	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3711/N3763	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3712/N3764	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3713/N3765	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3715/N3767	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3887/N3812	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3888/N3813	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3889/N3815	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3890/N3816	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3891/N3817	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3892/N3819	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3812/N3893	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3813/N3894	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3815/N3895	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3816/N3896	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3817/N3897	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3819/N3898	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3821/N3899	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3823/N3900	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3825/N3901	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3827/N3902	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3824/N3903	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3904/N3821	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3905/N3823	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3906/N3825	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3907/N3827	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3908/N3824	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3717/N3769	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3719/N3771	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3721/N3773	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3723/N3775	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3720/N3772	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3649/N3717	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3650/N3719	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3652/N3721	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3653/N3723	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3651/N3720	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3657/N3728	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3658/N3729	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3659/N3731	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3656/N3727	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3655/N3725	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3728/N3780	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3729/N3781	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3731/N3783	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3727/N3779	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3725/N3777	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N3909/N3832	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3910/N3833	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3911/N3835	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3912/N3831	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3913/N3829	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3832/N3914	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3835/N3915	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3833/N3916	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3829/N3917	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3831/N3918	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3734/N3919	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3735/N3920	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3736/N3921	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3738/N3922	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3739/N3923	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3740/N3924	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3743/N3925	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3744/N3926	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3747/N3927	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3748/N3928	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3746/N3929	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3754/N3930	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3755/N3931	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3756/N3932	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3752/N3933	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3751/N3934	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3760/N3935	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3761/N3936	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3763/N3937	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3764/N3938	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3765/N3939	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3767/N3940	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3769/N3941	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3771/N3942	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3773/N3943	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3775/N3944	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3772/N3945	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3780/N3946	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3781/N3947	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3783/N3948	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3779/N3949	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3777/N3950	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3951/N3837	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N3837/N3844	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N3844/N3853	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N3958/N3838	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N3838/N3845	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N3845/N3854	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N3965/N3840	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N3840/N3843	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N3843/N3850	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N3972/N3839	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N3839/N3846	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N3846/N3849	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N3979/N3842	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N3842/N3847	2.210 2.210	0.26 L/(>1000)	2.210 2.210	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N3847/N3851	1.070 1.070	0.31 L/(>1000)	1.770 1.770	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.770 1.770	0.01 L/(>1000)
N3986/N3841	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N3841/N3848	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N3848/N3852	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N3776/N3845	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N3750/N3844	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N3993/N4000	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)
N4000/N4006	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N4006/N4012	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N4013/N4020	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)
N4020/N4026	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N4026/N4032	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.770 1.770	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N4033/N4042	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N4042/N4050	1.990 1.990	0.18 L/(>1000)	2.210 2.210	0.02 L/(>1000)	1.990 1.990	0.18 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N4050/N4058	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N4059/N4068	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N4068/N4076	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N4076/N4084	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N4085/N4094	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N4094/N4102	1.990 1.990	0.15 L/(>1000)	2.210 2.210	0.02 L/(>1000)	1.990 1.990	0.15 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N4102/N4110	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N4111/N4120	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N4120/N4128	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4128/N4136	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N4137/N4146	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N4146/N4154	0.660 0.660	0.19 L/(>1000)	2.210 2.210	0.02 L/(>1000)	0.660 0.660	0.19 L/(>1000)	2.210 2.210	0.02 L/(>1000)
N4154/N4162	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N4163/N4172	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N4172/N4180	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N4180/N4188	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N4020/N4000	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4020/N4042	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N4042/N4068	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4000/N4068	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N4042/N4094	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N4094/N4120	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4068/N4120	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N4189/N4190	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4190/N4191	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N4192/N4191	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4189/N4192	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N4191/N4172	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8
N4146/N4172	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4192/N4146	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N4172/N4193	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N4194/N4193	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4146/N4194	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N4026/N4006	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4006/N4076	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N4026/N4050	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3
N4050/N4076	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4050/N4102	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N4076/N4128	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N4102/N4128	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4196/N4195	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N4197/N4198	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N4195/N4198	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4198/N4180	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N4154/N4180	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4195/N4154	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N4154/N4199	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N4180/N4200	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0
N4199/N4200	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4196/N4197	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4032/N4012	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4058/N4084	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4110/N4136	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N4202/N4201	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)
N4162/N4188	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4203/N4204	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4205/N4206	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4000/N3668	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N4068/N3690	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4120/N3742	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4190/N3837	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4191/N3840	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4172/N3794	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4193/N3842	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N4006/N3674	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N4076/N3698	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4128/N3750	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4197/N3844	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4198/N3843	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4180/N3802	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4200/N3847	0.730 0.730	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.730	0.00 L/(>1000)
N4012/N3680	0.236 0.236	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)
N4084/N3706	0.243 0.243	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)
N4136/N3758	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4206/N3853	0.730 0.730	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4201/N3850	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4188/N3810	0.730 0.730	0.00 L/(>1000)	0.486 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4204/N3851	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N4094/N4189	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.2	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.2
N4120/N4190	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N4014/N4034	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4015/N4035	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4016/N4036	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4017/N4038	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4018/N4039	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4019/N4040	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4034/N4086	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4035/N4087	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4036/N4088	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4038/N4090	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4039/N4091	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4040/N4092	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4207/N4138	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4208/N4139	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4209/N4140	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4210/N4142	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4211/N4143	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4212/N4144	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4138/N4213	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4139/N4214	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4140/N4215	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4142/N4216	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4143/N4217	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4144/N4218	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4147/N4219	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4148/N4220	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4151/N4221	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4152/N4222	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4150/N4223	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4224/N4147	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4225/N4148	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4226/N4151	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4227/N4152	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4228/N4150	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4043/N4095	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4044/N4096	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4047/N4099	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4048/N4100	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4046/N4098	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4021/N4043	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4022/N4044	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4024/N4047	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4025/N4048	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4023/N4046	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4029/N4054	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4030/N4055	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4031/N4056	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4028/N4052	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4027/N4051	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4054/N4106	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4055/N4107	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4056/N4108	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4052/N4104	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4051/N4103	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4229/N4158	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4230/N4159	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4231/N4160	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4232/N4156	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4233/N4155	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4158/N4234	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4160/N4235	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4159/N4236	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4155/N4237	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4156/N4238	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N3994/N4060	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3995/N4061	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3996/N4063	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3997/N4064	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3998/N4065	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.440 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N3999/N4067	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4060/N4112	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4061/N4113	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4063/N4115	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4064/N4116	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4065/N4117	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4067/N4119	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4239/N4164	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4240/N4165	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4241/N4167	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4242/N4168	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4243/N4169	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4244/N4171	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4164/N4245	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4165/N4246	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4167/N4247	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4168/N4248	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4169/N4249	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4171/N4250	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4173/N4251	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4175/N4252	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4177/N4253	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4179/N4254	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4176/N4255	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4256/N4173	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4257/N4175	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4258/N4177	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4259/N4179	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4260/N4176	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4069/N4121	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4071/N4123	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4073/N4125	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4075/N4127	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4072/N4124	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4001/N4069	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4002/N4071	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4004/N4073	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4005/N4075	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4003/N4072	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4009/N4080	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4010/N4081	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4011/N4083	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4008/N4079	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4007/N4077	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4080/N4132	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4081/N4133	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4083/N4135	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4079/N4131	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4077/N4129	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4261/N4184	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4262/N4185	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4263/N4187	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4264/N4183	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4265/N4181	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4184/N4266	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4187/N4267	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4185/N4268	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4181/N4269	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4183/N4270	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4086/N4271	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4087/N4272	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4088/N4273	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4090/N4274	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4091/N4275	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4092/N4276	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4095/N4277	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4096/N4278	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4099/N4279	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4100/N4280	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4098/N4281	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4106/N4282	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4107/N4283	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4108/N4284	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4104/N4285	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4103/N4286	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4112/N4287	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4113/N4288	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4115/N4289	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4116/N4290	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4117/N4291	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4119/N4292	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4121/N4293	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4123/N4294	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4125/N4295	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4127/N4296	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4124/N4297	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4132/N4298	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4133/N4299	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4135/N4300	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4131/N4301	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4129/N4302	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4303/N4189	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N4189/N4196	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N4196/N4205	1.070 1.070	0.30 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N4310/N4190	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)

Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4190/N4197	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N4197/N4206	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N4317/N4192	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N4192/N4195	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N4195/N4202	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N4324/N4191	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N4191/N4198	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N4198/N4201	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N4331/N4194	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N4194/N4199	2.210 2.210	0.26 L/(>1000)	2.210 2.210	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N4199/N4203	1.070 1.070	0.31 L/(>1000)	1.770 1.770	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.770 1.770	0.01 L/(>1000)
N4338/N4193	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N4193/N4200	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N4200/N4204	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N4128/N4197	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N4102/N4196	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N4014/N3994	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4014/N3996	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3996/N4017	0.000 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N4017/N3999	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3999/N4020	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N3662/N3642	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N3662/N3644	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3644/N3665	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N3665/N3647	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3647/N3668	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N4020/N4002	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4002/N4023	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N4023/N4005	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4005/N4026	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4026/N4008	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4008/N4029	0.350 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.350 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N4029/N4011	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4011/N4032	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.623 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3668/N3650	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3650/N3671	0.350 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.350 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N3671/N3653	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3653/N3674	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3674/N3656	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3656/N3677	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N3677/N3659	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N3659/N3680	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4345/N4352	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)
N4352/N4358	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N4358/N4364	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.105 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N4365/N4372	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.30 L/(>1000)
N4372/N4378	0.660 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	0.660 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4378/N4384	1.550 1.550	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.550 1.550	0.01 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N4385/N4394	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N4394/N4402	1.990 1.990	0.18 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.18 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N4402/N4410	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.27 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N4411/N4420	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N4420/N4428	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N4428/N4436	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N4437/N4446	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N4446/N4454	1.990 1.990	0.15 L/(>1000)	2.210 2.210	0.01 L/(>1000)	1.990 1.990	0.15 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N4454/N4462	1.070 1.070	0.28 L/(>1000)	1.330 0.880	0.01 L/(>1000)	1.070 1.070	0.28 L/(>1000)	1.330 0.880	0.01 L/(>1000)
N4463/N4472	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N4472/N4480	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N4480/N4488	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.105 1.330	0.04 L/(>1000)
N4489/N4498	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.04 L/(>1000)
N4498/N4506	0.660 0.660	0.19 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.19 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N4506/N4514	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.36 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N4515/N4524	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.26 L/(>1000)
N4524/N4532	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.13 L/(>1000)	1.955 0.625	0.18 L/(>1000)	1.550 1.550	0.13 L/(>1000)
N4532/N4540	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.03 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.105 1.330	0.03 L/(>1000)
N4372/N4352	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.001	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4372/N4394	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.11 L/535.5
N4394/N4420	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4352/N4420	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N4394/N4446	0.874 0.874	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5	0.874 0.874	0.01 L/(>1000)	1.093 1.093	3.74 L/584.5
N4446/N4472	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4420/N4472	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N4541/N4542	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4542/N4543	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N4544/N4543	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4541/N4544	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N4543/N4524	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8
N4498/N4524	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4544/N4498	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/575.8
N4524/N4545	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N4546/N4545	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4498/N4546	0.437 0.437	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5	0.437 0.437	0.02 L/(>1000)	1.092 1.092	4.09 L/533.5
N4378/N4358	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4358/N4428	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N4378/N4402	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.3
N4402/N4428	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4402/N4454	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N4428/N4480	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N4454/N4480	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4548/N4547	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.28 L/(>1000)
N4549/N4550	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N4547/N4550	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4550/N4532	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4506/N4532	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4547/N4506	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.3
N4506/N4551	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.4
N4532/N4552	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0
N4551/N4552	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4548/N4549	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4384/N4364	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4410/N4436	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4462/N4488	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4554/N4553	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4514/N4540	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4555/N4556	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4557/N4558	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4352/N4020	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N4420/N4042	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4472/N4094	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4542/N4189	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4543/N4192	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4524/N4146	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4545/N4194	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N4358/N4026	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N4428/N4050	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4480/N4102	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4549/N4196	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4550/N4195	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4532/N4154	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4552/N4199	0.730 0.730	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.730	0.00 L/(>1000)
N4364/N4032	0.472 0.472	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.236 0.236	0.00 L/(>1000)
N4436/N4058	0.486 0.486	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)
N4488/N4110	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4558/N4205	0.730 0.730	0.00 L/(>1000)	0.730 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4553/N4202	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4540/N4162	0.730 0.730	0.00 L/(>1000)	0.486 0.243	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4556/N4203	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N4446/N4541	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.2	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.2
N4472/N4542	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N4366/N4386	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4367/N4387	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4368/N4388	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4369/N4390	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4370/N4391	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4371/N4392	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4386/N4438	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4387/N4439	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4388/N4440	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4390/N4442	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4391/N4443	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4392/N4444	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4559/N4490	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4560/N4491	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4561/N4492	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4562/N4494	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4563/N4495	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4564/N4496	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4490/N4565	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4491/N4566	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4492/N4567	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4494/N4568	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4495/N4569	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4496/N4570	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4499/N4571	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4500/N4572	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4503/N4573	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4504/N4574	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4502/N4575	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4576/N4499	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4577/N4500	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4578/N4503	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4579/N4504	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4580/N4502	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4395/N4447	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4396/N4448	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4399/N4451	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4400/N4452	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4398/N4450	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4373/N4395	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4374/N4396	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4376/N4399	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4377/N4400	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4375/N4398	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4381/N4406	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4382/N4407	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4383/N4408	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4380/N4404	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4379/N4403	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4406/N4458	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4407/N4459	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4408/N4460	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4404/N4456	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4403/N4455	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4581/N4510	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4582/N4511	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4583/N4512	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4584/N4508	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4585/N4507	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4510/N4586	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4512/N4587	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4511/N4588	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4507/N4589	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4508/N4590	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4346/N4412	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4347/N4413	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4348/N4415	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4349/N4416	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4350/N4417	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4351/N4419	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4412/N4464	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4413/N4465	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4415/N4467	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4416/N4468	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4417/N4469	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4419/N4471	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4591/N4516	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4592/N4517	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4593/N4519	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4594/N4520	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4595/N4521	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4596/N4523	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4516/N4597	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4517/N4598	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4519/N4599	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4520/N4600	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4521/N4601	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4523/N4602	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4525/N4603	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4527/N4604	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4529/N4605	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4531/N4606	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4528/N4607	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4608/N4525	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4609/N4527	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4610/N4529	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4611/N4531	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4612/N4528	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4421/N4473	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4423/N4475	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4425/N4477	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4427/N4479	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4424/N4476	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4353/N4421	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4354/N4423	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4356/N4425	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4357/N4427	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4355/N4424	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4361/N4432	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4362/N4433	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4363/N4435	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4360/N4431	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4359/N4429	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4432/N4484	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4433/N4485	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4435/N4487	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4431/N4483	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4429/N4481	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4613/N4536	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4614/N4537	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4615/N4539	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4616/N4535	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4617/N4533	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4536/N4618	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4539/N4619	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4537/N4620	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4533/N4621	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4535/N4622	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4438/N4623	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4439/N4624	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4440/N4625	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4442/N4626	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4443/N4627	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4444/N4628	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4447/N4629	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4448/N4630	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4451/N4631	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4452/N4632	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4450/N4633	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4458/N4634	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4459/N4635	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4460/N4636	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4456/N4637	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4455/N4638	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4464/N4639	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4465/N4640	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4467/N4641	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4468/N4642	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4469/N4643	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4471/N4644	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4473/N4645	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4475/N4646	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4477/N4647	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4479/N4648	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4476/N4649	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4484/N4650	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4485/N4651	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4487/N4652	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4483/N4653	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4481/N4654	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4655/N4541	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.35 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N4541/N4548	1.990 1.990	0.12 L/(>1000)	0.880 2.210	0.01 L/(>1000)	1.990 1.990	0.12 L/(>1000)	0.880 2.210	0.01 L/(>1000)
N4548/N4557	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.30 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N4662/N4542	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.22 L/(>1000)
N4542/N4549	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N4549/N4558	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N4669/N4544	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)	1.610 1.610	0.38 L/(>1000)	2.050 2.050	0.03 L/(>1000)
N4544/N4547	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)	0.660 0.660	0.17 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N4547/N4554	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)	1.070 1.070	0.39 L/(>1000)	0.660 0.660	0.01 L/(>1000)
N4676/N4543	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.21 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.21 L/(>1000)
N4543/N4550	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	1.955 1.955	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N4550/N4553	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N4683/N4546	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)	1.610 1.610	0.40 L/(>1000)	2.050 2.050	0.02 L/(>1000)
N4546/N4551	2.210 2.210	0.26 L/(>1000)	2.210 2.210	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	2.210 2.210	0.01 L/(>1000)
N4551/N4555	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)	1.070 1.070	0.31 L/(>1000)	1.550 1.550	0.01 L/(>1000)
N4690/N4545	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.13 L/(>1000)
N4545/N4552	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N4552/N4556	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.105 1.330	0.02 L/(>1000)
N4480/N4549	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N4454/N4548	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.5
N4697/N4704	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.27 L/(>1000)
N4704/N4710	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)	1.550 1.550	0.07 L/(>1000)	0.440 0.440	0.18 L/(>1000)
N4710/N4716	1.330 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)	1.330 1.330	0.02 L/(>1000)	0.880 0.880	0.23 L/(>1000)
N4717/N4724	0.730 0.730	0.01 L/(>1000)	1.610 1.610	0.30 L/(>1000)	0.730 0.730	0.01 L/(>1000)	1.610 1.610	0.30 L/(>1000)
N4724/N4730	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 0.440	0.18 L/(>1000)
N4730/N4736	0.660 2.210	0.03 L/(>1000)	0.660 0.660	0.22 L/(>1000)	0.660 2.210	0.03 L/(>1000)	0.660 0.660	0.22 L/(>1000)
N4737/N4746	1.610 1.610	0.34 L/(>1000)	0.950 0.950	0.03 L/(>1000)	1.610 1.610	0.34 L/(>1000)	0.950 0.950	0.03 L/(>1000)
N4746/N4754	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.03 L/(>1000)	1.990 1.990	0.18 L/(>1000)	1.990 1.990	0.03 L/(>1000)
N4754/N4762	1.070 1.070	0.26 L/(>1000)	2.210 2.210	0.06 L/(>1000)	1.070 1.070	0.26 L/(>1000)	2.210 2.210	0.06 L/(>1000)
N4763/N4772	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.25 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.25 L/(>1000)
N4772/N4780	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.15 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N4780/N4788	0.880 0.880	0.26 L/(>1000)	1.330 1.330	0.04 L/(>1000)	0.880 0.880	0.26 L/(>1000)	1.330 1.330	0.04 L/(>1000)
N4789/N4798	1.610 1.610	0.34 L/(>1000)	0.950 0.950	0.03 L/(>1000)	1.610 1.610	0.34 L/(>1000)	0.950 0.950	0.03 L/(>1000)
N4798/N4806	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.03 L/(>1000)	1.990 1.990	0.15 L/(>1000)	1.990 1.990	0.03 L/(>1000)
N4806/N4814	1.070 1.070	0.27 L/(>1000)	2.210 2.210	0.06 L/(>1000)	1.070 1.070	0.27 L/(>1000)	2.210 2.210	0.06 L/(>1000)
N4815/N4824	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.25 L/(>1000)	1.610 1.610	0.30 L/(>1000)	1.610 1.610	0.25 L/(>1000)
N4824/N4832	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.12 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N4832/N4840	1.105 1.105	0.27 L/(>1000)	1.330 1.330	0.04 L/(>1000)	1.105 1.105	0.27 L/(>1000)	1.330 1.330	0.04 L/(>1000)
N4841/N4850	1.610 1.610	0.37 L/(>1000)	0.950 0.950	0.03 L/(>1000)	1.610 1.610	0.37 L/(>1000)	0.950 0.950	0.03 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4850/N4858	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.03 L/(>1000)	0.660 0.660	0.19 L/(>1000)	1.990 1.990	0.03 L/(>1000)
N4858/N4866	1.070 1.070	0.35 L/(>1000)	2.210 2.210	0.06 L/(>1000)	1.070 1.070	0.35 L/(>1000)	2.210 2.210	0.06 L/(>1000)
N4867/N4876	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.25 L/(>1000)	1.610 1.610	0.37 L/(>1000)	1.610 1.610	0.25 L/(>1000)
N4876/N4884	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)	0.625 0.625	0.18 L/(>1000)	1.550 1.550	0.14 L/(>1000)
N4884/N4892	1.105 1.105	0.33 L/(>1000)	1.330 1.330	0.04 L/(>1000)	1.105 1.105	0.33 L/(>1000)	1.330 1.330	0.04 L/(>1000)
N4724/N4704	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)
N4724/N4746	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.11 L/535.6	1.759 1.759	0.02 L/(>1000)	1.099 1.099	4.11 L/535.6
N4746/N4772	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4704/N4772	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7	0.440 0.440	0.02 L/(>1000)	1.099 1.099	4.10 L/536.7
N4746/N4798	0.656 0.656	0.00 L/(>1000)	1.093 1.093	3.74 L/584.5	0.656 0.656	0.00 L/(>1000)	1.093 1.093	3.74 L/584.5
N4798/N4824	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4772/N4824	0.874 0.874	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1	0.874 0.874	0.01 L/(>1000)	1.093 1.093	3.74 L/584.1
N4893/N4894	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4894/N4895	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N4896/N4895	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4893/N4896	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N4895/N4876	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.8
N4850/N4876	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4896/N4850	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.80 L/575.7	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.80 L/575.7
N4876/N4897	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5	1.748 1.748	0.02 L/(>1000)	1.092 1.092	4.03 L/541.5
N4898/N4897	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4850/N4898	0.437 0.437	0.02 L/(>1000)	1.092 1.092	4.09 L/533.6	0.437 0.437	0.02 L/(>1000)	1.092 1.092	4.09 L/533.6
N4730/N4710	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.594	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)
N4710/N4780	0.440 0.440	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0	0.440 0.440	0.03 L/(>1000)	1.099 1.099	4.09 L/538.0
N4730/N4754	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.4	1.759 1.759	0.03 L/(>1000)	1.099 1.099	4.09 L/537.4
N4754/N4780	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4754/N4806	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/583.6
N4780/N4832	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.75 L/583.2
N4806/N4832	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4900/N4899	0.903 0.903	0.01 L/(>1000)	0.723 0.723	1.27 L/(>1000)	0.903 0.903	0.01 L/(>1000)	0.723 0.723	1.27 L/(>1000)
N4901/N4902	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)	0.723 0.723	0.00 L/(>1000)	0.723 0.723	1.29 L/(>1000)
N4899/N4902	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4902/N4884	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.79 L/576.3
N4858/N4884	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4899/N4858	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.2	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.80 L/575.2
N4858/N4903	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.6	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.09 L/534.6
N4884/N4904	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0	0.437 0.437	0.03 L/(>1000)	1.092 1.092	4.02 L/543.0
N4903/N4904	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4900/N4901	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4736/N4716	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.298 0.298	0.01 L/(>1000)
N4762/N4788	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.03 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.03 L/(>1000)
N4814/N4840	0.156 0.156	0.00 L/(>1000)	0.312 0.312	0.03 L/(>1000)	0.312 0.156	0.00 L/(>1000)	0.312 0.312	0.03 L/(>1000)
N4906/N4905	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4866/N4892	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.03 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.03 L/(>1000)
N4907/N4908	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 0.312	0.01 L/(>1000)
N4909/N4910	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)	0.467 0.467	0.00 L/(>1000)	0.312 0.312	0.02 L/(>1000)
N4704/N4372	0.236 0.236	0.00 L/(>1000)	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.00 L/(>1000)	0.472 0.472	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4772/N4394	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4824/N4446	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4894/N4541	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4895/N4544	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4876/N4498	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4897/N4546	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.01 L/(>1000)
N4710/N4378	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)	0.709 0.709	0.00 L/(>1000)
N4780/N4402	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4832/N4454	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4901/N4548	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4902/N4547	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4884/N4506	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4904/N4551	0.730 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.730	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)
N4716/N4384	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)	0.472 0.472	0.00 L/(>1000)
N4788/N4410	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4840/N4462	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4910/N4557	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4905/N4554	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4892/N4514	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N4908/N4555	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.00 L/(>1000)
N4798/N4893	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.1	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.1
N4824/N4894	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/577.9
N4718/N4738	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4719/N4739	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4720/N4740	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4721/N4742	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4722/N4743	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4723/N4744	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4738/N4790	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4739/N4791	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4740/N4792	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4742/N4794	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4743/N4795	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4744/N4796	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4911/N4842	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4912/N4843	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4913/N4844	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4914/N4846	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4915/N4847	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4916/N4848	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4842/N4917	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4843/N4918	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4844/N4919	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4846/N4920	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4847/N4921	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4848/N4922	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4851/N4923	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4852/N4924	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4855/N4925	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4856/N4926	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4854/N4927	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4928/N4851	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4929/N4852	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4930/N4855	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4931/N4856	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4932/N4854	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4747/N4799	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4748/N4800	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4751/N4803	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4752/N4804	0.437 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4750/N4802	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4725/N4747	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.880 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4726/N4748	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4728/N4751	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4729/N4752	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4727/N4750	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4733/N4758	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	0.660 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4734/N4759	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4735/N4760	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4732/N4756	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4731/N4755	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4758/N4810	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.656 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4759/N4811	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4760/N4812	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4756/N4808	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4755/N4807	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4933/N4862	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4934/N4863	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4935/N4864	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4936/N4860	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4937/N4859	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4862/N4938	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4864/N4939	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4863/N4940	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4859/N4941	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4860/N4942	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4698/N4764	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4699/N4765	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4700/N4767	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4701/N4768	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4702/N4769	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.759 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4703/N4771	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4764/N4816	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4765/N4817	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4767/N4819	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4768/N4820	0.219 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4769/N4821	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4771/N4823	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4943/N4868	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4944/N4869	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4945/N4871	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4946/N4872	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4947/N4873	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4948/N4875	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4868/N4949	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4869/N4950	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.000 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4871/N4951	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4872/N4952	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4873/N4953	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4875/N4954	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4877/N4955	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4879/N4956	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.437 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4881/N4957	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4883/N4958	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4880/N4959	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4960/N4877	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4961/N4879	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4962/N4881	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4963/N4883	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4964/N4880	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4773/N4825	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4775/N4827	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.530 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4777/N4829	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4779/N4831	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4776/N4828	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4705/N4773	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.099 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4706/N4775	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4708/N4777	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4709/N4779	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4707/N4776	2.198 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4713/N4784	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.539 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4714/N4785	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4715/N4787	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.979 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4712/N4783	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4711/N4781	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2	1.319 -	0.00 L/(>1000)	1.099 1.099	6.17 L/356.2
N4784/N4836	1.967 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4785/N4837	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4787/N4839	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	1.093 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4783/N4835	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4781/N4833	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.093 1.093	6.02 L/363.1
N4965/N4888	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4966/N4889	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4967/N4891	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4968/N4887	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4969/N4885	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4888/N4970	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4891/N4971	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.311 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4889/N4972	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4885/N4973	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4887/N4974	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4790/N4975	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4791/N4976	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4792/N4977	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4794/N4978	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4795/N4979	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4796/N4980	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4799/N4981	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4800/N4982	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4803/N4983	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4804/N4984	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4802/N4985	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4810/N4986	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4811/N4987	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4812/N4988	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4808/N4989	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4807/N4990	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4816/N4991	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4817/N4992	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.874 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4819/N4993	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4820/N4994	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4821/N4995	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4823/N4996	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4825/N4997	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4827/N4998	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4829/N4999	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4831/N5000	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.092 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4828/N5001	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4836/N5002	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.748 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4837/N5003	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.529 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4839/N5004	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	0.218 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4835/N5005	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	2.184 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N4833/N5006	0.655 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1	1.966 -	0.00 L/(>1000)	1.092 1.092	6.02 L/363.1
N5007/N4893	1.610 1.610	0.34 L/(>1000)	0.730 0.730	0.02 L/(>1000)	1.610 1.610	0.34 L/(>1000)	0.730 0.730	0.02 L/(>1000)
N4893/N4900	1.990 1.990	0.12 L/(>1000)	1.990 1.990	0.03 L/(>1000)	1.990 1.990	0.12 L/(>1000)	1.990 1.990	0.03 L/(>1000)
N4900/N4909	1.070 1.070	0.29 L/(>1000)	2.210 2.210	0.06 L/(>1000)	1.070 1.070	0.29 L/(>1000)	2.210 2.210	0.06 L/(>1000)
N5014/N4894	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.21 L/(>1000)	1.610 1.610	0.31 L/(>1000)	1.610 1.610	0.21 L/(>1000)
N4894/N4901	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.11 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N4901/N4910	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.03 L/(>1000)	1.105 1.105	0.30 L/(>1000)	1.330 1.330	0.03 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5021/N4896	1.610 1.610	0.37 L/(>1000)	0.730 0.730	0.02 L/(>1000)	1.610 1.610	0.37 L/(>1000)	0.730 0.730	0.02 L/(>1000)
N4896/N4899	0.660 0.660	0.17 L/(>1000)	1.990 1.990	0.03 L/(>1000)	0.660 0.660	0.17 L/(>1000)	1.990 1.990	0.03 L/(>1000)
N4899/N4906	1.070 1.070	0.38 L/(>1000)	2.210 2.210	0.06 L/(>1000)	1.070 1.070	0.38 L/(>1000)	2.210 2.210	0.06 L/(>1000)
N5028/N4895	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.21 L/(>1000)	1.610 1.610	0.38 L/(>1000)	1.610 1.610	0.21 L/(>1000)
N4895/N4902	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)	0.625 0.625	0.16 L/(>1000)	1.550 1.550	0.11 L/(>1000)
N4902/N4905	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.03 L/(>1000)	1.105 1.105	0.36 L/(>1000)	1.330 1.330	0.03 L/(>1000)
N5035/N4898	1.610 1.610	0.39 L/(>1000)	0.730 0.730	0.01 L/(>1000)	1.610 1.610	0.39 L/(>1000)	0.730 0.730	0.01 L/(>1000)
N4898/N4903	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)	2.210 2.210	0.26 L/(>1000)	1.990 1.990	0.01 L/(>1000)
N4903/N4907	1.070 1.070	0.31 L/(>1000)	2.210 2.210	0.03 L/(>1000)	1.070 1.070	0.31 L/(>1000)	2.210 2.210	0.03 L/(>1000)
N5042/N4897	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.12 L/(>1000)	1.610 1.610	0.34 L/(>1000)	1.610 1.610	0.12 L/(>1000)
N4897/N4904	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)	2.140 0.440	0.21 L/(>1000)	1.550 1.550	0.07 L/(>1000)
N4904/N4908	1.105 1.105	0.28 L/(>1000)	1.330 1.330	0.02 L/(>1000)	1.105 1.105	0.28 L/(>1000)	1.330 1.330	0.02 L/(>1000)
N4832/N4901	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.78 L/578.0
N4806/N4900	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.4	1.748 1.748	0.01 L/(>1000)	1.092 1.092	3.79 L/576.4
N4718/N4698	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4718/N4700	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4700/N4721	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.347 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N4721/N4703	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4703/N4724	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.665 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N4366/N4346	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.298 0.298	0.00 L/(>1000)
N4366/N4348	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4348/N4369	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)	0.521 -	0.00 L/(>1000)	0.347 0.347	0.00 L/(>1000)
N4369/N4351	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4351/N4372	0.333 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)	0.333 -	0.00 L/(>1000)	0.333 0.333	0.00 L/(>1000)
N4724/N4706	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4706/N4727	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N4727/N4709	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4709/N4730	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4730/N4712	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4712/N4733	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N4733/N4715	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.234 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4715/N4736	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4372/N4354	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.701 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4354/N4375	0.524 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.698 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N4375/N4357	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4357/N4378	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4378/N4360	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.933 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4360/N4381	0.175 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)	0.175 -	0.00 L/(>1000)	0.350 0.350	0.00 L/(>1000)
N4381/N4363	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)	0.467 -	0.00 L/(>1000)	0.467 0.467	0.01 L/(>1000)
N4363/N4384	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N5049/N5056	1.610 1.610	0.11 L/(>1000)	2.050 2.050	0.15 L/(>1000)	1.610 1.610	0.11 L/(>1000)	2.050 2.050	0.15 L/(>1000)
N5056/N5062	1.290 1.290	0.06 L/(>1000)	2.170 0.200	0.12 L/(>1000)	1.290 1.290	0.06 L/(>1000)	2.170 0.200	0.12 L/(>1000)
N5062/N5068	1.065 1.065	0.03 L/(>1000)	0.400 0.400	0.12 L/(>1000)	1.065 1.065	0.03 L/(>1000)	0.400 0.400	0.12 L/(>1000)
N5069/N5078	1.610 1.610	0.17 L/(>1000)	1.610 1.610	0.23 L/(>1000)	1.610 1.610	0.17 L/(>1000)	1.610 1.610	0.23 L/(>1000)
N5078/N5086	0.585 0.585	0.09 L/(>1000)	1.290 1.290	0.11 L/(>1000)	0.585 0.585	0.09 L/(>1000)	1.290 1.290	0.11 L/(>1000)
N5086/N5094	0.805 0.805	0.14 L/(>1000)	1.065 1.065	0.06 L/(>1000)	0.805 0.805	0.14 L/(>1000)	1.065 1.065	0.06 L/(>1000)
N5095/N5104	1.610 1.610	0.17 L/(>1000)	1.610 1.610	0.23 L/(>1000)	1.610 1.610	0.17 L/(>1000)	1.610 1.610	0.23 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5104/N5112	0.585 1.915	0.06 L/(>1000)	1.290 1.290	0.11 L/(>1000)	0.585 1.915	0.06 L/(>1000)	1.290 1.290	0.11 L/(>1000)
N5112/N5120	1.065 1.065	0.14 L/(>1000)	1.065 1.065	0.06 L/(>1000)	1.065 1.065	0.14 L/(>1000)	1.065 1.065	0.06 L/(>1000)
N5121/N5130	1.610 1.610	0.20 L/(>1000)	1.610 1.610	0.23 L/(>1000)	1.610 1.610	0.20 L/(>1000)	1.610 1.610	0.23 L/(>1000)
N5130/N5138	0.585 0.585	0.10 L/(>1000)	1.290 1.290	0.11 L/(>1000)	0.585 0.585	0.10 L/(>1000)	1.290 1.290	0.11 L/(>1000)
N5138/N5145	1.065 1.065	0.17 L/(>1000)	1.065 1.065	0.06 L/(>1000)	1.065 1.065	0.17 L/(>1000)	1.065 1.065	0.06 L/(>1000)
N5056/N5078	0.660 0.660	0.03 L/(>1000)	1.099 1.099	4.05 L/542.4	0.660 0.660	0.03 L/(>1000)	1.099 1.099	4.05 L/542.4
N5078/N5104	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.0	0.656 0.656	0.01 L/(>1000)	1.093 1.093	3.74 L/584.0
N5146/N5147	0.723 0.723	0.01 L/(>1000)	0.723 0.723	0.64 L/(>1000)	0.723 0.723	0.01 L/(>1000)	0.723 0.723	0.64 L/(>1000)
N5147/N5130	0.437 0.437	0.02 L/(>1000)	1.092 1.092	3.86 L/566.6	0.437 0.437	0.02 L/(>1000)	1.092 1.092	3.86 L/566.6
N5130/N5148	1.529 1.529	0.03 L/(>1000)	1.092 1.092	3.98 L/548.3	1.529 1.529	0.03 L/(>1000)	1.092 1.092	3.98 L/548.3
N5062/N5086	0.440 0.440	0.05 L/(>1000)	1.099 1.099	4.05 L/543.4	0.440 0.440	0.05 L/(>1000)	1.099 1.099	4.05 L/543.4
N5086/N5112	0.656 0.656	0.00 L/(>1000)	1.093 1.093	3.75 L/583.4	0.656 0.656	0.00 L/(>1000)	1.093 1.093	3.75 L/583.4
N5149/N5150	0.723 0.723	0.01 L/(>1000)	0.723 0.723	0.64 L/(>1000)	0.723 0.723	0.01 L/(>1000)	0.723 0.723	0.64 L/(>1000)
N5150/N5138	0.437 0.437	0.02 L/(>1000)	1.092 1.092	3.85 L/566.9	0.437 0.437	0.02 L/(>1000)	1.092 1.092	3.85 L/566.9
N5138/N5151	1.748 1.748	0.05 L/(>1000)	1.092 1.092	3.98 L/549.3	1.748 1.748	0.05 L/(>1000)	1.092 1.092	3.98 L/549.3
N5056/N4724	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.01 L/(>1000)	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.01 L/(>1000)
N5078/N4746	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N5104/N4798	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N5146/N4893	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N5147/N4896	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N5130/N4850	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N5148/N4898	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.01 L/(>1000)
N5062/N4730	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.02 L/(>1000)	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.02 L/(>1000)
N5086/N4754	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N5112/N4806	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N5149/N4900	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N5150/N4899	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N5138/N4858	0.243 0.730	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)	0.243 0.730	0.00 L/(>1000)	0.243 0.243	0.04 L/(>1000)
N5151/N4903	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.02 L/(>1000)	0.243 0.243	0.01 L/(>1000)	0.243 0.243	0.02 L/(>1000)
N5068/N4736	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.02 L/(>1000)	0.472 0.472	0.01 L/(>1000)	0.236 0.236	0.02 L/(>1000)
N5094/N4762	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.06 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.06 L/(>1000)
N5120/N4814	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.06 L/(>1000)	0.486 0.486	0.00 L/(>1000)	0.243 0.243	0.06 L/(>1000)
N5154/N4909	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.05 L/(>1000)	0.243 0.243	0.00 L/(>1000)	0.243 0.243	0.05 L/(>1000)
N5152/N4906	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.05 L/(>1000)	0.730 0.730	0.00 L/(>1000)	0.243 0.243	0.05 L/(>1000)
N5145/N4866	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.06 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.06 L/(>1000)
N5153/N4907	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.03 L/(>1000)	0.486 0.486	0.01 L/(>1000)	0.243 0.243	0.03 L/(>1000)
N5104/N5146	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.85 L/567.2	1.748 1.748	0.02 L/(>1000)	1.092 1.092	3.85 L/567.2
N5050/N5070	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5051/N5071	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5052/N5073	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5053/N5074	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5054/N5075	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5055/N5077	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	0.880 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5070/N5096	0.000 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.000 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5071/N5097	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5073/N5099	0.000 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.000 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5074/N5100	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5075/N5101	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5077/N5103	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5155/N5122	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5156/N5123	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5157/N5125	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5158/N5126	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5159/N5127	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5160/N5129	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5122/N5161	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5123/N5162	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5125/N5163	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5126/N5164	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5127/N5165	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5129/N5166	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5131/N5167	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5133/N5168	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5135/N5169	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5137/N5170	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5134/N5171	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5172/N5131	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5173/N5133	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5174/N5135	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5175/N5137	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5176/N5134	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5079/N5105	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5081/N5107	0.219 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5083/N5109	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5085/N5111	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5082/N5108	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5057/N5079	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5058/N5081	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5060/N5083	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5061/N5085	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5059/N5082	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5065/N5090	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5066/N5091	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5067/N5093	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5064/N5089	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5063/N5087	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5090/N5116	0.656 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5091/N5117	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5093/N5119	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5089/N5115	0.656 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.656 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5087/N5113	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5177/N5142	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5178/N5143	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5179/N5144	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5180/N5141	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5181/N5139	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5142/N5182	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5144/N5183	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5143/N5184	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5139/N5185	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5141/N5186	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5096/N5187	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5097/N5188	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5099/N5189	0.000 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.000 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5100/N5190	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5101/N5191	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5103/N5192	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5105/N5193	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5107/N5194	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5109/N5195	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5111/N5196	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5108/N5197	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5116/N5198	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5117/N5199	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5119/N5200	0.437 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.437 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5115/N5201	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5113/N5202	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5203/N5146	1.610 1.610	0.19 L/(>1000)	1.610 1.610	0.15 L/(>1000)	1.610 1.610	0.19 L/(>1000)	1.610 1.610	0.15 L/(>1000)
N5146/N5149	0.770 0.770	0.06 L/(>1000)	1.290 1.290	0.08 L/(>1000)	0.770 0.770	0.06 L/(>1000)	1.290 1.290	0.08 L/(>1000)
N5149/N5154	1.065 1.065	0.17 L/(>1000)	0.840 0.840	0.04 L/(>1000)	1.065 1.065	0.17 L/(>1000)	0.840 0.840	0.04 L/(>1000)
N5210/N5147	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.15 L/(>1000)	1.610 1.610	0.22 L/(>1000)	1.610 1.610	0.15 L/(>1000)
N5147/N5150	0.770 0.770	0.09 L/(>1000)	1.290 1.290	0.08 L/(>1000)	0.770 0.770	0.09 L/(>1000)	1.290 1.290	0.08 L/(>1000)
N5150/N5152	1.065 1.065	0.21 L/(>1000)	0.840 0.840	0.04 L/(>1000)	1.065 1.065	0.21 L/(>1000)	0.840 0.840	0.04 L/(>1000)
N5217/N5148	1.390 1.390	0.17 L/(>1000)	1.610 1.610	0.11 L/(>1000)	1.390 1.390	0.17 L/(>1000)	1.610 1.610	0.11 L/(>1000)
N5148/N5151	2.170 0.200	0.13 L/(>1000)	1.290 1.290	0.06 L/(>1000)	2.170 0.200	0.13 L/(>1000)	1.290 1.290	0.06 L/(>1000)
N5151/N5153	0.585 0.585	0.12 L/(>1000)	1.065 1.065	0.03 L/(>1000)	1.065 0.585	0.12 L/(>1000)	1.065 1.065	0.03 L/(>1000)
N5112/N5149	1.529 1.529	0.02 L/(>1000)	1.092 1.092	3.85 L/567.7	1.529 1.529	0.02 L/(>1000)	1.092 1.092	3.85 L/567.7
N5224/N5231	1.390 1.390	0.01 L/(>1000)	1.610 1.610	0.04 L/(>1000)	1.390 1.390	0.02 L/(>1000)	1.610 1.610	0.04 L/(>1000)
N5231/N5237	1.290 0.620	0.01 L/(>1000)	1.950 1.950	0.02 L/(>1000)	1.730 0.620	0.01 L/(>1000)	1.950 1.950	0.02 L/(>1000)
N5237/N5243	1.065 1.065	0.02 L/(>1000)	1.065 1.065	0.03 L/(>1000)	1.065 1.065	0.02 L/(>1000)	1.065 1.065	0.03 L/(>1000)
N5244/N5253	1.610 1.610	0.04 L/(>1000)	1.390 1.390	0.03 L/(>1000)	1.610 1.610	0.04 L/(>1000)	1.390 1.390	0.04 L/(>1000)
N5253/N5261	1.915 1.915	0.02 L/(>1000)	1.510 1.510	0.02 L/(>1000)	1.915 1.915	0.02 L/(>1000)	1.730 1.510	0.02 L/(>1000)
N5261/N5269	1.065 1.065	0.03 L/(>1000)	1.065 1.065	0.04 L/(>1000)	1.065 1.065	0.03 L/(>1000)	1.065 1.065	0.04 L/(>1000)
N5270/N5279	1.610 1.610	0.04 L/(>1000)	1.390 1.390	0.02 L/(>1000)	1.610 1.610	0.04 L/(>1000)	1.390 1.390	0.04 L/(>1000)
N5279/N5287	1.915 1.915	0.01 L/(>1000)	1.510 1.510	0.02 L/(>1000)	1.915 1.915	0.01 L/(>1000)	1.730 1.510	0.02 L/(>1000)
N5287/N5295	1.065 1.065	0.04 L/(>1000)	1.065 1.065	0.04 L/(>1000)	1.065 1.065	0.04 L/(>1000)	1.065 1.065	0.04 L/(>1000)
N5296/N5305	1.610 1.610	0.02 L/(>1000)	1.390 1.390	0.03 L/(>1000)	1.610 1.610	0.03 L/(>1000)	1.390 1.390	0.04 L/(>1000)
N5305/N5313	1.915 1.915	0.01 L/(>1000)	1.510 1.510	0.02 L/(>1000)	1.915 1.915	0.02 L/(>1000)	1.730 1.510	0.02 L/(>1000)
N5313/N5320	1.290 1.290	0.03 L/(>1000)	1.065 1.065	0.04 L/(>1000)	1.290 1.290	0.03 L/(>1000)	1.065 1.065	0.04 L/(>1000)
N5231/N5253	0.660 0.660	0.04 L/(>1000)	1.319 1.319	0.05 L/(>1000)	0.660 0.660	0.04 L/(>1000)	1.319 1.319	0.05 L/(>1000)
N5253/N5279	0.656 0.656	0.01 L/(>1000)	1.093 1.093	0.04 L/(>1000)	0.656 0.656	0.01 L/(>1000)	1.093 1.093	0.04 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5321/N5322	0.723 0.723	0.01 L/(>1000)	0.903 0.903	0.01 L/(>1000)	0.723 0.723	0.01 L/(>1000)	0.903 0.903	0.01 L/(>1000)
N5322/N5305	0.437 0.437	0.02 L/(>1000)	1.311 1.311	0.05 L/(>1000)	0.437 0.437	0.02 L/(>1000)	1.311 1.311	0.05 L/(>1000)
N5305/N5323	1.529 1.529	0.04 L/(>1000)	1.092 1.092	0.05 L/(>1000)	1.529 1.529	0.04 L/(>1000)	1.092 1.092	0.05 L/(>1000)
N5237/N5261	0.660 0.660	0.05 L/(>1000)	1.319 1.319	0.05 L/(>1000)	0.660 0.660	0.05 L/(>1000)	1.319 1.319	0.05 L/(>1000)
N5261/N5287	0.874 0.874	0.01 L/(>1000)	1.093 1.093	0.04 L/(>1000)	0.874 0.874	0.01 L/(>1000)	1.093 1.093	0.04 L/(>1000)
N5324/N5325	0.723 0.723	0.01 L/(>1000)	0.903 0.903	0.01 L/(>1000)	0.723 0.723	0.01 L/(>1000)	0.903 0.903	0.01 L/(>1000)
N5325/N5313	0.437 0.437	0.02 L/(>1000)	1.529 1.529	0.06 L/(>1000)	0.437 0.437	0.02 L/(>1000)	1.529 1.529	0.06 L/(>1000)
N5313/N5326	1.529 1.529	0.06 L/(>1000)	1.092 1.092	0.05 L/(>1000)	1.529 1.529	0.06 L/(>1000)	1.092 1.092	0.05 L/(>1000)
N5279/N5321	1.529 1.529	0.02 L/(>1000)	0.874 0.874	0.04 L/(>1000)	1.529 1.529	0.02 L/(>1000)	0.874 0.874	0.04 L/(>1000)
N5225/N5245	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5226/N5246	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5227/N5248	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5228/N5249	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5229/N5250	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.099 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5230/N5252	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5245/N5271	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5246/N5272	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5248/N5274	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5249/N5275	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5250/N5276	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5252/N5278	0.000 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.000 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5327/N5297	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5328/N5298	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5329/N5300	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5330/N5301	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5331/N5302	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5332/N5304	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5297/N5333	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5298/N5334	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5300/N5335	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5301/N5336	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5302/N5337	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5304/N5338	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5306/N5339	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5308/N5340	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5310/N5341	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5312/N5342	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5309/N5343	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5344/N5306	0.000 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.000 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5345/N5308	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5346/N5310	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5347/N5312	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5348/N5309	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5254/N5280	0.874 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5256/N5282	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5258/N5284	0.874 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5260/N5286	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5257/N5283	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5232/N5254	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	0.660 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5233/N5256	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5235/N5258	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.539 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5236/N5260	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5234/N5257	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5240/N5265	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.319 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5241/N5266	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5242/N5268	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.759 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5239/N5264	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	2.198 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5238/N5262	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6	1.979 -	0.00 L/(>1000)	1.099 1.099	2.95 L/746.6
N5265/N5291	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5266/N5292	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.967 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5268/N5294	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5264/N5290	1.748 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.093 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5262/N5288	0.874 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0	1.530 -	0.00 L/(>1000)	1.093 1.093	2.87 L/761.0
N5349/N5317	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5350/N5318	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5351/N5319	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5352/N5316	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5353/N5314	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5317/N5354	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5319/N5355	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5318/N5356	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5314/N5357	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5316/N5358	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.748 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5271/N5359	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.311 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5272/N5360	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5274/N5361	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5275/N5362	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.529 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5276/N5363	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5278/N5364	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5280/N5365	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.655 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5282/N5366	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	0.874 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5284/N5367	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5286/N5368	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5283/N5369	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5291/N5370	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.966 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5292/N5371	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5294/N5372	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	2.184 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5290/N5373	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5288/N5374	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0	1.092 -	0.00 L/(>1000)	1.092 1.092	2.87 L/761.0
N5375/N5321	1.610 1.610	0.04 L/(>1000)	1.390 1.390	0.03 L/(>1000)	1.610 1.610	0.04 L/(>1000)	1.390 1.390	0.04 L/(>1000)
N5321/N5324	0.585 0.585	0.01 L/(>1000)	1.510 0.400	0.01 L/(>1000)	0.585 0.585	0.01 L/(>1000)	1.730 0.400	0.01 L/(>1000)
N5324/N5382	1.065 1.065	0.04 L/(>1000)	1.065 1.065	0.04 L/(>1000)	1.065 1.065	0.04 L/(>1000)	1.065 1.065	0.04 L/(>1000)
N5383/N5322	1.610 1.610	0.02 L/(>1000)	1.390 1.390	0.03 L/(>1000)	1.610 1.610	0.03 L/(>1000)	1.390 1.390	0.04 L/(>1000)
N5322/N5325	0.585 0.585	0.01 L/(>1000)	1.510 0.400	0.01 L/(>1000)	1.915 0.585	0.01 L/(>1000)	1.730 0.400	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5325/N5390	1.290 1.290	0.04 L/(>1000)	1.065 1.065	0.04 L/(>1000)	1.290 1.290	0.04 L/(>1000)	1.065 1.065	0.04 L/(>1000)
N5391/N5323	1.610 1.610	0.02 L/(>1000)	1.390 1.390	0.01 L/(>1000)	1.610 1.610	0.03 L/(>1000)	1.390 1.390	0.02 L/(>1000)
N5323/N5326	2.100 2.100	0.02 L/(>1000)	1.290 1.290	0.01 L/(>1000)	1.915 2.100	0.02 L/(>1000)	1.730 1.290	0.01 L/(>1000)
N5326/N5398	1.290 1.290	0.02 L/(>1000)	1.065 1.065	0.02 L/(>1000)	1.290 1.290	0.03 L/(>1000)	1.065 1.065	0.02 L/(>1000)
N5287/N5324	1.529 1.529	0.02 L/(>1000)	0.874 0.874	0.04 L/(>1000)	1.529 1.529	0.02 L/(>1000)	0.874 0.874	0.04 L/(>1000)
N5231/N5056	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)
N5253/N5078	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5279/N5104	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5321/N5146	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5322/N5147	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5305/N5130	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5323/N5148	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5237/N5062	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)
N5261/N5086	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5287/N5112	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5324/N5149	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5325/N5150	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5313/N5138	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5326/N5151	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5243/N5068	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)
N5269/N5094	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5295/N5120	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5382/N5154	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5390/N5152	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5320/N5145	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5398/N5153	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5225/N5050	0.097 -	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)	0.097 -	0.00 L/(>1000)	0.097 0.097	0.00 L/(>1000)
N5225/N5052	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N5052/N5228	0.000 -	0.00 L/(>1000)	0.164 0.164	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.164 0.164	0.00 L/(>1000)
N5228/N5055	0.562 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.562 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N5055/N5231	0.362 -	0.00 L/(>1000)	0.181 0.181	0.00 L/(>1000)	0.362 -	0.00 L/(>1000)	0.181 0.181	0.00 L/(>1000)
N5231/N5058	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N5058/N5234	0.330 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)	0.330 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)
N5234/N5061	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N5061/N5237	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)
N5237/N5064	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.561 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N5064/N5240	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)
N5240/N5067	0.281 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)	0.281 -	0.00 L/(>1000)	0.281 0.281	0.00 L/(>1000)
N5067/N5243	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.166 0.166	0.00 L/(>1000)
N5382/N5390	1.084 1.084	0.00 L/(>1000)	0.361 0.361	0.01 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.361	0.02 L/(>1000)
N5154/N5152	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.04 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.05 L/(>1000)
N4909/N4906	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N4910/N4905	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N4557/N4554	0.361 0.361	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	0.361 0.361	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N4558/N4553	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N4205/N4202	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N4206/N4201	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3853/N3850	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N3854/N3849	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N3501/N3498	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N3502/N3497	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N3149/N3146	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N3150/N3145	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N2797/N2794	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N2798/N2793	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N2445/N2442	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N2446/N2441	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N2093/N2090	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N2094/N2089	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N1741/N1738	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N1742/N1737	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N1113/N1110	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N1114/N1109	1.084 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)	0.361 1.084	0.00 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N756/N796	1.084 0.361	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 0.361	0.00 L/(>1000)	0.723 0.723	0.10 L/(>1000)
N776/N816	1.084 1.084	0.01 L/(>1000)	0.723 0.723	0.10 L/(>1000)	1.084 1.084	0.01 L/(>1000)	0.723 0.723	0.11 L/(>1000)
N180/N220	1.084 1.084	0.01 L/(>1000)	0.542 0.542	0.12 L/(>1000)	1.084 1.084	0.01 L/(>1000)	0.542 0.542	0.12 L/(>1000)
N529/N566	0.361 0.361	0.02 L/(>1000)	0.723 0.723	0.01 L/(>1000)	0.361 0.361	0.02 L/(>1000)	0.723 0.723	0.01 L/(>1000)
N341/N342	1.084 1.084	0.05 L/(>1000)	1.084 1.084	0.03 L/(>1000)	1.084 1.084	0.05 L/(>1000)	1.084 1.084	0.03 L/(>1000)
N200/N240	0.361 0.361	0.03 L/(>1000)	0.723 0.723	0.23 L/(>1000)	0.361 0.361	0.03 L/(>1000)	0.723 0.723	0.23 L/(>1000)
N928/N926	0.062 0.062	0.01 L/(>1000)	0.062 0.062	0.00 L/(>1000)	0.062 0.062	0.01 L/(>1000)	0.062 0.062	0.00 L/(>1000)
N915/N928	0.690 0.690	0.19 L/(>1000)	0.460 0.460	0.07 L/(>1000)	0.690 0.690	0.19 L/(>1000)	0.460 0.460	0.07 L/(>1000)
N978/N998	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N978/N1000	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1000/N981	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N981/N1003	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1003/N984	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N658/N678	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N658/N680	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N680/N661	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N661/N683	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N683/N664	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N42/N62	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N42/N64	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N64/N45	0.730 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.730 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N45/N67	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N67/N48	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N391/N383	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N391/N385	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N385/N394	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N394/N388	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N388/N322	0.000 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N984/N1006	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1006/N987	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N987/N1009	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1009/N990	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N990/N1012	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1012/N993	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N993/N1015	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1015/N996	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N664/N686	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N686/N667	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N667/N689	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N689/N670	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N670/N692	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N692/N673	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N673/N695	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N695/N676	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N48/N70	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N70/N51	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N51/N73	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N73/N54	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N54/N76	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N76/N57	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N57/N79	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N79/N60	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N322/N403	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N403/N399	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N399/N406	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N406/N330	0.369 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.369 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N330/N414	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N414/N410	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N410/N417	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N417/N338	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N1922/N1948	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1922/N1951	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1951/N1926	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1926/N1955	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1955/N1930	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N1570/N1596	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1570/N1599	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1599/N1574	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1574/N1603	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1603/N1578	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N1930/N1959	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1959/N1934	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1934/N1963	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1963/N1938	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1938/N1967	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1967/N1942	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1942/N1971	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1971/N1946	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1578/N1607	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1607/N1582	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1582/N1611	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1611/N1586	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1586/N1615	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1615/N1590	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1590/N1619	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1619/N1594	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2626/N2652	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2626/N2655	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2655/N2630	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2630/N2659	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2659/N2634	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2274/N2300	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2274/N2303	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2303/N2278	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2278/N2307	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2307/N2282	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2634/N2663	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2663/N2638	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2638/N2667	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2667/N2642	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2642/N2671	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2671/N2646	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2646/N2675	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2675/N2650	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2282/N2311	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2311/N2286	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2286/N2315	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2315/N2290	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2290/N2319	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2319/N2294	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2294/N2323	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2323/N2298	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3330/N3356	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3330/N3359	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3359/N3334	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3334/N3363	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3363/N3338	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2978/N3004	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2978/N3007	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3007/N2982	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2982/N3011	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3011/N2986	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3338/N3367	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3367/N3342	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3342/N3371	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3371/N3346	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3346/N3375	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3375/N3350	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3350/N3379	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3379/N3354	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2986/N3015	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3015/N2990	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2990/N3019	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3019/N2994	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2994/N3023	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3023/N2998	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2998/N3027	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3027/N3002	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4034/N4060	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4034/N4063	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4063/N4038	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4038/N4067	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4067/N4042	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3682/N3708	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3682/N3711	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3711/N3686	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3686/N3715	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3715/N3690	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4042/N4071	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4071/N4046	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4046/N4075	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4075/N4050	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4050/N4079	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4079/N4054	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4054/N4083	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4083/N4058	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3690/N3719	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3719/N3694	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3694/N3723	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3723/N3698	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3698/N3727	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3727/N3702	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3702/N3731	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3731/N3706	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4738/N4764	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4738/N4767	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4767/N4742	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4742/N4771	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4771/N4746	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4386/N4412	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4386/N4415	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4415/N4390	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4390/N4419	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4419/N4394	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4746/N4775	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4775/N4750	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4750/N4779	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4779/N4754	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4754/N4783	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4783/N4758	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4758/N4787	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4787/N4762	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4394/N4423	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4423/N4398	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4398/N4427	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4427/N4402	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4402/N4431	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4431/N4406	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4406/N4435	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4435/N4410	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N5245/N5070	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5245/N5073	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5073/N5249	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N5249/N5077	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5077/N5253	0.416 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.416 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N5253/N5081	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5081/N5257	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5257/N5085	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5085/N5261	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5261/N5089	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5089/N5265	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5265/N5093	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5093/N5269	0.370 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.370 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N1018/N1038	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1018/N1040	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1040/N1021	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1021/N1043	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1043/N1024	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N698/N718	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N698/N720	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N720/N701	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N701/N723	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N723/N704	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N82/N102	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N82/N104	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N104/N85	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N85/N107	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N107/N88	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N428/N420	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N428/N422	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N422/N431	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N431/N425	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N425/N323	0.000 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N1024/N1046	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1046/N1027	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1027/N1049	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1049/N1030	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1030/N1052	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1052/N1033	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1033/N1055	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1055/N1036	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N704/N726	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N726/N707	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N707/N729	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N729/N710	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N710/N732	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N732/N713	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N713/N735	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N735/N716	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N88/N110	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N110/N91	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N91/N113	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N113/N94	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N94/N116	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N116/N97	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N97/N119	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N119/N100	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N323/N440	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N440/N436	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N436/N443	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N443/N331	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N331/N451	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N451/N447	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N447/N454	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N454/N339	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N1974/N2000	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1974/N2003	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2003/N1978	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1978/N2007	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2007/N1982	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N1622/N1648	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1622/N1651	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1651/N1626	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1626/N1655	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1655/N1630	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N1982/N2011	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2011/N1986	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1986/N2015	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2015/N1990	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1990/N2019	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2019/N1994	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1994/N2023	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2023/N1998	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1630/N1659	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1659/N1634	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1634/N1663	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1663/N1638	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1638/N1667	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1667/N1642	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1642/N1671	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1671/N1646	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2678/N2704	0.156 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.156 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2678/N2707	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2707/N2682	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2682/N2711	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2711/N2686	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2326/N2352	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2326/N2355	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2355/N2330	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2330/N2359	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2359/N2334	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2686/N2715	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2715/N2690	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2690/N2719	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2719/N2694	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2694/N2723	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2723/N2698	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2698/N2727	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2727/N2702	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2334/N2363	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2363/N2338	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2338/N2367	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2367/N2342	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2342/N2371	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2371/N2346	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2346/N2375	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2375/N2350	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3382/N3408	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3382/N3411	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3411/N3386	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3386/N3415	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3415/N3390	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3030/N3056	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3030/N3059	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3059/N3034	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3034/N3063	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3063/N3038	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3390/N3419	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3419/N3394	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3394/N3423	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3423/N3398	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3398/N3427	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3427/N3402	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3402/N3431	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3431/N3406	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3038/N3067	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3067/N3042	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3042/N3071	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3071/N3046	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3046/N3075	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3075/N3050	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3050/N3079	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3079/N3054	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4086/N4112	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4086/N4115	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4115/N4090	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4090/N4119	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4119/N4094	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3734/N3760	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3734/N3763	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3763/N3738	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3738/N3767	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3767/N3742	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4094/N4123	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4123/N4098	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4098/N4127	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4127/N4102	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4102/N4131	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4131/N4106	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4106/N4135	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4135/N4110	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3742/N3771	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3771/N3746	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3746/N3775	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3775/N3750	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3750/N3779	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3779/N3754	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3754/N3783	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3783/N3758	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4790/N4816	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4790/N4819	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4819/N4794	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4794/N4823	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4823/N4798	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4438/N4464	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4438/N4467	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4467/N4442	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4442/N4471	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4471/N4446	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4798/N4827	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4827/N4802	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4802/N4831	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4831/N4806	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4806/N4835	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4835/N4810	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4810/N4839	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4839/N4814	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4446/N4475	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4475/N4450	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4450/N4479	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4479/N4454	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4454/N4483	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4483/N4458	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4458/N4487	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4487/N4462	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N5271/N5096	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5271/N5099	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5099/N5275	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N5275/N5103	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5103/N5279	0.417 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.417 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N5279/N5107	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5107/N5283	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5283/N5111	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5111/N5287	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5287/N5115	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5115/N5291	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5291/N5119	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5119/N5295	0.370 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.370 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N1179/N1195	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1179/N1197	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1197/N1182	0.730 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.730 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1182/N1200	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1200/N1097	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N738/N758	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N738/N760	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N760/N741	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N741/N763	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N763/N744	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N162/N182	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N162/N184	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N184/N165	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N165/N187	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N187/N168	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N502/N494	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N502/N496	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N496/N505	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N505/N499	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N499/N325	0.415 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.415 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N1097/N1202	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1202/N1189	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1189/N1204	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1204/N1104	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1104/N1209	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1209/N1190	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1190/N1208	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1208/N1113	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N744/N766	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N766/N747	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N747/N769	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N769/N750	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N750/N772	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N772/N753	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N753/N775	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N775/N756	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N168/N190	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N190/N171	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N171/N193	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N193/N174	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N174/N196	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N196/N177	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N177/N199	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N199/N180	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N325/N514	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N514/N510	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N510/N517	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N517/N333	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N333/N525	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N525/N521	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N521/N528	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N528/N341	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N2159/N2175	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2159/N2177	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2177/N2162	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2162/N2180	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2180/N2077	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N1807/N1823	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1807/N1825	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1825/N1810	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1810/N1828	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1828/N1725	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2077/N2182	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2182/N2169	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2169/N2184	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2184/N2084	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2084/N2189	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2189/N2170	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2170/N2188	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2188/N2093	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1725/N1830	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1830/N1817	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1817/N1832	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1832/N1732	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1732/N1837	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1837/N1818	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1818/N1836	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1836/N1741	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2863/N2879	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2863/N2881	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2881/N2866	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2866/N2884	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2884/N2781	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2511/N2527	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2511/N2529	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2529/N2514	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2514/N2532	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2532/N2429	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2781/N2886	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2886/N2873	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2873/N2888	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2888/N2788	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2788/N2893	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2893/N2874	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2874/N2892	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2892/N2797	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2429/N2534	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2534/N2521	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2521/N2536	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2536/N2436	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2436/N2541	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2541/N2522	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2522/N2540	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2540/N2445	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3567/N3583	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3567/N3585	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3585/N3570	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3570/N3588	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3588/N3485	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3215/N3231	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3215/N3233	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3233/N3218	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3218/N3236	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3236/N3133	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3485/N3590	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3590/N3577	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3577/N3592	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3592/N3492	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3492/N3597	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3597/N3578	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3578/N3596	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3596/N3501	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3133/N3238	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3238/N3225	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3225/N3240	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3240/N3140	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3140/N3245	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3245/N3226	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3226/N3244	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3244/N3149	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4271/N4287	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4271/N4289	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4289/N4274	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4274/N4292	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4292/N4189	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3919/N3935	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3919/N3937	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3937/N3922	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3922/N3940	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3940/N3837	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4189/N4294	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4294/N4281	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4281/N4296	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4296/N4196	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4196/N4301	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4301/N4282	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4282/N4300	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4300/N4205	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3837/N3942	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3942/N3929	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3929/N3944	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3944/N3844	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3844/N3949	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3949/N3930	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3930/N3948	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3948/N3853	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4975/N4991	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4975/N4993	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4993/N4978	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4978/N4996	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4996/N4893	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4623/N4639	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4623/N4641	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4641/N4626	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4626/N4644	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4644/N4541	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4893/N4998	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4998/N4985	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4985/N5000	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N5000/N4900	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4900/N5005	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N5005/N4986	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4986/N5004	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N5004/N4909	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4541/N4646	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4646/N4633	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4633/N4648	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4648/N4548	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4548/N4653	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4653/N4634	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4634/N4652	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4652/N4557	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N5359/N5187	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5359/N5189	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5189/N5362	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N5362/N5192	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5192/N5321	0.416 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.416 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N5321/N5194	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5194/N5369	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5369/N5196	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5196/N5324	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5324/N5201	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5201/N5370	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5370/N5200	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5200/N5382	0.370 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.370 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N1115/N1147	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1115/N1149	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1149/N1118	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1118/N1152	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1152/N1100	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N778/N798	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N778/N800	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N800/N781	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N781/N803	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N803/N784	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N202/N222	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N202/N224	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N224/N205	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N205/N227	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N227/N208	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N539/N531	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N539/N533	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N533/N542	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N542/N536	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N536/N326	0.415 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.415 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N1100/N1165	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1165/N1136	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1136/N1167	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1167/N1103	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1103/N1172	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1172/N1137	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1137/N1171	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1171/N1110	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N784/N806	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N806/N787	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N787/N809	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N809/N790	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N790/N812	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N812/N793	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N793/N815	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N815/N796	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N208/N230	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N230/N211	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N211/N233	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N233/N214	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N214/N236	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N236/N217	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N217/N239	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N239/N220	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N326/N551	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N551/N547	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N547/N554	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N554/N334	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N334/N562	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N562/N558	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N558/N565	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N565/N342	0.369 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.369 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N2095/N2127	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2095/N2129	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2129/N2098	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2098/N2132	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2132/N2080	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N1743/N1775	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1743/N1777	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1777/N1746	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1746/N1780	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1780/N1728	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2080/N2145	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2145/N2116	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2116/N2147	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2147/N2083	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2083/N2152	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2152/N2117	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2117/N2151	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2151/N2090	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1728/N1793	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1793/N1764	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1764/N1795	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1795/N1731	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1731/N1800	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1800/N1765	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1765/N1799	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1799/N1738	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2799/N2831	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2799/N2833	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2833/N2802	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2802/N2836	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2836/N2784	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2447/N2479	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2447/N2481	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2481/N2450	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2450/N2484	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2484/N2432	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2784/N2849	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2849/N2820	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2820/N2851	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2851/N2787	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2787/N2856	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2856/N2821	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2821/N2855	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2855/N2794	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2432/N2497	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2497/N2468	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2468/N2499	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2499/N2435	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2435/N2504	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2504/N2469	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2469/N2503	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2503/N2442	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3503/N3535	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3503/N3537	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3537/N3506	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3506/N3540	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3540/N3488	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3151/N3183	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3151/N3185	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3185/N3154	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3154/N3188	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3188/N3136	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3488/N3553	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3553/N3524	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3524/N3555	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3555/N3491	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3491/N3560	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3560/N3525	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3525/N3559	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3559/N3498	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3136/N3201	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3201/N3172	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3172/N3203	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3203/N3139	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3139/N3208	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3208/N3173	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3173/N3207	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3207/N3146	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4207/N4239	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4207/N4241	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4241/N4210	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4210/N4244	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4244/N4192	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3855/N3887	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3855/N3889	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3889/N3858	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3858/N3892	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3892/N3840	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4192/N4257	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4257/N4228	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4228/N4259	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N4259/N4195	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4195/N4264	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4264/N4229	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4229/N4263	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4263/N4202	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3840/N3905	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3905/N3876	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3876/N3907	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3907/N3843	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3843/N3912	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3912/N3877	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3877/N3911	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3911/N3850	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4911/N4943	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4911/N4945	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4945/N4914	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4914/N4948	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4948/N4896	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4559/N4591	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4559/N4593	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4593/N4562	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4562/N4596	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4596/N4544	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4896/N4961	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4961/N4932	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4932/N4963	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4963/N4899	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4899/N4968	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4968/N4933	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4933/N4967	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4967/N4906	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4544/N4609	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4609/N4580	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4580/N4611	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4611/N4547	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4547/N4616	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4616/N4581	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4581/N4615	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4615/N4554	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N5327/N5155	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5327/N5157	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5157/N5330	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N5330/N5160	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5160/N5322	0.208 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.208 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N5322/N5173	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5173/N5348	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5348/N5175	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5175/N5325	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5325/N5180	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5180/N5349	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.192 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5349/N5179	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5179/N5390	0.369 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.369 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N1058/N1078	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1058/N1080	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1080/N1061	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1061/N1083	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1083/N1064	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N818/N838	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N818/N840	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N840/N821	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N821/N843	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N843/N824	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N242/N262	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N242/N264	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N264/N245	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N245/N267	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N267/N248	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N903/N897	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N903/N899	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N899/N906	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N906/N902	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N902/N327	0.208 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.208 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N1064/N1086	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1086/N1067	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1067/N1089	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1089/N1070	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1070/N1092	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1092/N1073	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1073/N1095	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1095/N1076	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N824/N846	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N846/N827	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N827/N849	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N849/N830	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N830/N852	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N852/N833	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N833/N855	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N855/N836	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N248/N270	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N270/N251	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N251/N273	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N273/N254	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N254/N276	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N276/N257	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N257/N279	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N279/N260	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N327/N576	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.162 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N576/N572	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N572/N579	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N579/N335	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N335/N587	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N587/N583	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N583/N590	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N590/N343	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N2026/N2052	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2026/N2055	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2055/N2030	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2030/N2059	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2059/N2034	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N1674/N1700	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1674/N1703	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1703/N1678	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1678/N1707	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1707/N1682	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2034/N2063	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2063/N2038	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2038/N2067	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2067/N2042	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2042/N2071	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2071/N2046	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2046/N2075	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2075/N2050	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1682/N1711	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1711/N1686	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1686/N1715	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1715/N1690	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1690/N1719	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1719/N1694	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1694/N1723	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1723/N1698	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2730/N2756	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2730/N2759	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2759/N2734	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2734/N2763	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2763/N2738	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2378/N2404	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.312 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2378/N2407	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2407/N2382	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2382/N2411	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2411/N2386	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2738/N2767	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2767/N2742	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2742/N2771	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2771/N2746	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2746/N2775	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2775/N2750	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2750/N2779	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2779/N2754	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2386/N2415	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2415/N2390	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2390/N2419	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2419/N2394	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2394/N2423	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2423/N2398	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2398/N2427	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2427/N2402	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3434/N3460	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3434/N3463	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3463/N3438	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3438/N3467	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3467/N3442	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3082/N3108	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3082/N3111	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3111/N3086	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3086/N3115	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3115/N3090	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3442/N3471	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3471/N3446	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3446/N3475	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3475/N3450	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3450/N3479	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3479/N3454	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3454/N3483	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3483/N3458	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3090/N3119	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3119/N3094	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3094/N3123	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3123/N3098	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3098/N3127	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3127/N3102	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3102/N3131	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3131/N3106	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4138/N4164	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4138/N4167	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4167/N4142	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4142/N4171	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4171/N4146	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3786/N3812	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)

Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3786/N3815	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3815/N3790	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3790/N3819	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3819/N3794	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4146/N4175	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4175/N4150	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4150/N4179	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4179/N4154	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4154/N4183	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4183/N4158	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4158/N4187	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4187/N4162	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3794/N3823	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3823/N3798	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3798/N3827	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3827/N3802	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3802/N3831	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3831/N3806	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3806/N3835	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3835/N3810	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4842/N4868	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4842/N4871	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4871/N4846	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4846/N4875	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4875/N4850	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4490/N4516	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4490/N4519	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4519/N4494	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4494/N4523	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4523/N4498	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4850/N4879	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4879/N4854	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4854/N4883	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4883/N4858	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4858/N4887	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4887/N4862	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4862/N4891	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4891/N4866	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4498/N4527	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4527/N4502	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4502/N4531	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4531/N4506	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4506/N4535	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4535/N4510	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4510/N4539	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4539/N4514	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N5297/N5122	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N5297/N5125	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5125/N5301	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N5301/N5129	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5129/N5305	0.416 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.416 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N5305/N5133	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5133/N5309	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5309/N5137	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5137/N5313	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5313/N5141	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5141/N5317	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5317/N5144	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5144/N5320	0.369 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.369 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N122/N142	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.622 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N122/N144	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N144/N125	0.730 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.730 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N125/N147	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N147/N128	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N465/N457	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N465/N459	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N459/N468	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N468/N462	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N462/N324	0.000 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N128/N150	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N150/N131	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N324/N477	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N477/N473	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N473/N480	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N480/N332	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N131/N153	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N153/N134	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N332/N488	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N488/N484	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N134/N156	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N156/N137	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N484/N491	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N491/N340	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N137/N159	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N159/N140	0.000 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1121/N1153	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1121/N1155	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1155/N1124	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1124/N1158	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1158/N1102	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N858/N878	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N858/N880	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N880/N861	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N861/N883	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N883/N864	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N282/N302	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N282/N304	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N304/N285	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N285/N307	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N307/N288	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N5400/N5399	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.222 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5400/N5401	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5401/N5402	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.376 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N5402/N5403	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5403/N328	0.208 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.208 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N1102/N1160	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1160/N1131	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1131/N1162	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1162/N1107	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1107/N1178	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1178/N1142	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1142/N1175	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1175/N1111	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N864/N886	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N886/N867	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N867/N889	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N889/N870	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N870/N892	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N892/N873	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N873/N895	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N895/N876	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N288/N310	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N310/N291	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N291/N313	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N313/N294	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N294/N316	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N316/N297	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N297/N319	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N319/N300	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N328/N601	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N601/N597	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N597/N604	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N604/N336	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N336/N612	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N612/N608	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N608/N615	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.323 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N615/N344	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)
N2101/N2133	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2101/N2135	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2135/N2104	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.729 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2104/N2138	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2138/N2082	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N1749/N1781	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N1749/N1783	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1783/N1752	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N1752/N1786	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1786/N1730	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2082/N2140	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2140/N2111	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2111/N2142	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2142/N2087	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2087/N2158	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2158/N2122	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2122/N2155	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2155/N2091	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1730/N1788	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1788/N1759	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.732 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1759/N1790	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1790/N1735	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N1735/N1806	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1806/N1770	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N1770/N1803	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N1803/N1739	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2805/N2837	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2805/N2839	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2839/N2808	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2808/N2842	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2842/N2786	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2453/N2485	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N2453/N2487	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2487/N2456	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.548 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N2456/N2490	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2490/N2434	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.171 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N2786/N2844	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2844/N2815	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2815/N2846	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2846/N2791	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2791/N2862	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2862/N2826	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2826/N2859	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2859/N2795	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.641 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2434/N2492	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2492/N2463	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.733 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2463/N2494	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2494/N2439	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N2439/N2510	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N2510/N2474	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N2474/N2507	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)

Flechas

Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N2507/N2443	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3509/N3541	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3509/N3543	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3543/N3512	0.001 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.001 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3512/N3546	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3546/N3490	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3157/N3189	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3157/N3191	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3191/N3160	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3160/N3194	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3194/N3138	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3490/N3548	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3548/N3519	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3519/N3550	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3550/N3495	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3495/N3566	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3566/N3530	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3530/N3563	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3563/N3499	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3138/N3196	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3196/N3167	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3167/N3198	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3198/N3143	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3143/N3214	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3214/N3178	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3178/N3211	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3211/N3147	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.321 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4213/N4245	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4213/N4247	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4247/N4216	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4216/N4250	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4250/N4194	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.342 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N3861/N3893	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N3861/N3895	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3895/N3864	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N3864/N3898	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3898/N3842	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4194/N4252	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4252/N4223	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4223/N4254	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4254/N4199	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4199/N4270	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4270/N4234	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4234/N4267	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4267/N4203	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3842/N3900	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3900/N3871	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.550 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)

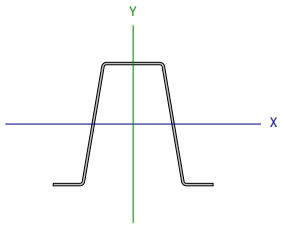
Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha activa absoluta xy Flecha activa relativa xy		Flecha activa absoluta xz Flecha activa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N3871/N3902	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3902/N3847	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N3847/N3918	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3918/N3882	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N3882/N3915	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N3915/N3851	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.481 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4917/N4949	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.467 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4917/N4951	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4951/N4920	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.365 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4920/N4954	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4954/N4898	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.513 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4565/N4597	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.312 0.312	0.00 L/(>1000)
N4565/N4599	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4599/N4568	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.365 0.365	0.00 L/(>1000)
N4568/N4602	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4602/N4546	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)	0.683 -	0.00 L/(>1000)	0.342 0.342	0.00 L/(>1000)
N4898/N4956	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4956/N4927	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4927/N4958	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4958/N4903	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4903/N4974	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.979 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4974/N4938	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.367 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4938/N4971	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.245 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4971/N4907	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4546/N4604	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.490 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4604/N4575	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4575/N4606	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.000 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4606/N4551	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.160 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N4551/N4622	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4622/N4586	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)	0.183 -	0.00 L/(>1000)	0.367 0.367	0.00 L/(>1000)
N4586/N4619	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)	0.735 -	0.00 L/(>1000)	0.490 0.490	0.01 L/(>1000)
N4619/N4555	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)	0.640 -	0.00 L/(>1000)	0.321 0.321	0.00 L/(>1000)
N5333/N5161	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.111 0.111	0.00 L/(>1000)
N5333/N5163	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5163/N5336	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.189 0.189	0.00 L/(>1000)
N5336/N5166	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5166/N5323	0.416 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)	0.416 -	0.00 L/(>1000)	0.208 0.208	0.00 L/(>1000)
N5323/N5168	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.645 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5168/N5343	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5343/N5170	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.485 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5170/N5326	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.383 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5326/N5186	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5186/N5354	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)	0.382 -	0.00 L/(>1000)	0.192 0.192	0.00 L/(>1000)
N5354/N5183	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)	0.323 0.323	0.00 L/(>1000)
N5183/N5398	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)	0.185 -	0.00 L/(>1000)	0.185 0.185	0.00 L/(>1000)

1.1.1.2. Comprobaciones E.L.U. (Completo)

Nota: Se muestra el listado completo de comprobaciones realizadas para las 10 barras con mayor coeficiente de aprovechamiento.

Barra N3892/N3839

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N3892	N3839	0.510	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.99	0.97	0.00	0.00
L_K	0.502	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$

η_c : *0.202* ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3892, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *2.966* t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$

P_c : *14.689* t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : *17.281* t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.

E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$

P_n : *17.281* t

Donde:

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$

F_n : *3464.98* kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$

λ_c : *0.19*

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : *99122.86* kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : *99122.86* kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$

F_{crex} : *110409.66* kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$

r_x : *36.35* mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : *0.18*

L: Longitud de la barra. L : *2.700* m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$

F_{crey} : *99122.86* kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$

r_y : *35.00* mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : *71.76* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : *0.19*

L: Longitud de la barra. L : *2.700* m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.027* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3892, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3892, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.001* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$ M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$ M_{nl}^+ : *0.542* t·m

M_{nl}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$ S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.959* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.328* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3892, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.328* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3892, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.302* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$ M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$ M_{nl} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$ S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$ η_v : ***0.154*** ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : *0.260* t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$ V_c : *1.688* t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : *1.777* t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : *2069317.02* kp/cm²

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$ λ_v : *0.306*

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : *1.777* t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$ A_w : *0.84* cm²

Donde:

h: Altura del tramo recto del alma. **h** : *42.11* mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : *2.00* mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : *18.973* t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$ F_{cr} : *22526.05* kp/cm²

η: Coeficiente de Poisson. η : *0.3*

E: Módulo de Young. **E** : *2069317.02* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.027 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3892, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

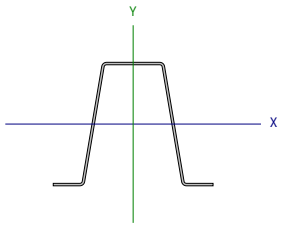
M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.027 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Barra N3188/N3135

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N3188	N3135	0.510	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.99	0.97	0.00	0.00
L_K	0.502	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$

η_c : ***0.201*** ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3188, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *2.956* t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$

P_c : *14.689* t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : *17.281* t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.
E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$

P_n : *17.281* t

Donde:

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$

F_n : *3464.98* kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$

λ_c : *0.19*

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : *99122.86* kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : *99122.86* kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$

F_{crex} : *110409.66* kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$

r_x : *36.35* mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : *0.18*

L: Longitud de la barra. L : *2.700* m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$

F_{crey} : *99122.86* kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$

r_y : *35.00* mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : *71.76* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : *0.19*

L: Longitud de la barra. L : *2.700* m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.027* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3188, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3188, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.001* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$

M_{nl}^+ : *0.542* t·m

M_{nl}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$

S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.956* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.328* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3188, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.328* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3188, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.301* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$

M_{nl} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$

S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : *0.153* ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3188, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : *0.259* t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : *1.688* t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : *1.777* t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : *2069317.02* kp/cm²

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : *0.306*

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : *1.777* t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : *0.84* cm²

Donde:

h: Altura del tramo recto del alma. **h** : *42.11* mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : *2.00* mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : *18.973* t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : *22526.05* kp/cm²

η: Coeficiente de Poisson. **η** : *0.3*

E: Módulo de Young. **E** : *2069317.02* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.027 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3188, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

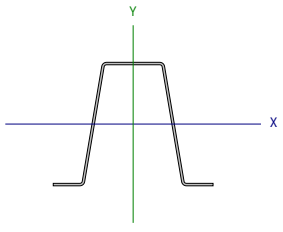
M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.027 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Barra N3540/N3487

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N3540	N3487	0.510	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.99	0.97	0.00	0.00
L_K	0.502	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$

η_c : *0.202* ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3540, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *2.961* t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$

P_c : *14.689* t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : *17.281* t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.

E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$

P_n : *17.281* t

Donde:

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$

F_n : *3464.98* kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$

λ_c : *0.19*

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : *99122.86* kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : *99122.86* kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$

F_{crex} : *110409.66* kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$

r_x : *36.35* mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : *0.18*

L: Longitud de la barra. L : *2.700* m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$

F_{crey} : *99122.86* kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$

r_y : *35.00* mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : *71.76* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : *0.19*

L: Longitud de la barra. L : *2.700* m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.027* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3540, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3540, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.001* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$

M_{n1}^+ : *0.542* t·m

M_{n1}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$

S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.929* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.318* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3540, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.318* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3540, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.291* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$

M_{n1} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$

S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$ η_v : ***0.145*** ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : *0.245* t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$ V_c : *1.688* t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : *1.777* t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : *2069317.02* kp/cm²

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$ λ_v : *0.306*

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : *1.777* t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$ A_w : *0.84* cm²

Donde:

h: Altura del tramo recto del alma. **h** : *42.11* mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : *2.00* mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : *18.973* t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$ F_{cr} : *22526.05* kp/cm²

η: Coeficiente de Poisson. η : *0.3*

E: Módulo de Young. **E** : *2069317.02* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.027 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3540, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.027 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises (Comprobación adicional)

Ya que la norma no proporciona una comprobación general para secciones sometidas a torsión combinada con otros esfuerzos, se considera que este elemento debe cumplir, además, el siguiente criterio de rotura de Von Mises:

$$\eta = \left| \frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right| \leq 1$$

η : *0.992* ✓

$$\eta = \left| \frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right| \leq 1$$

η < *0.001* ✓

$$\eta = \left[\frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right]^2 + \left[\frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right]^2 \leq 1$$

η : *0.984* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3540, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

f_a: Tensión normal debida a compresión, calculada utilizando el área de la sección bruta.

$$f_a = \frac{P_f}{A_e}$$

f_a : *231.90* kp/cm²

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.157* t

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Las tensiones utilizadas en esta comprobación se han calculado en el siguiente punto, en el cual se produce la combinación pésima de tensiones normales y tangenciales.

x: Coordenada X del punto de cálculo respecto al centro de gravedad. **x** : *-65.00* mm

y: Coordenada Y del punto de cálculo respecto al centro de gravedad. **y** : *-50.25* mm

f_{bx}: Tensión normal debida a la flexión alrededor del eje X.

$$f_{bx} = \frac{-y}{I_x} M_{fx}$$

f_{bx} : *47.28* kp/cm²

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.007* t·m

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

f_{by}: Tensión normal debida a la flexión alrededor del eje Y, calculada utilizando la sección eficaz.

$$f_{by} = \frac{-x}{I_{ey}} M_{ry}$$

f_{by} : *3004.09* kp/cm²

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *0.318* t·m

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

f_{vx}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje X. f_{vx} : *0.00* kp/cm²

f_{vy}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje Y. f_{vy} : *0.00* kp/cm²

f_{tr}: Tensión tangencial debida a la torsión. f_{tr} : *0.00* kp/cm²

F_a: Resistencia a compresión de la sección.

$$F_a = \varphi_c F_n$$

F_a : *2945.23* kp/cm²

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

F_n: Tensión crítica nominal de pandeo, calculada según el Capítulo E2. F_n : *3464.98* kp/cm²

F_{bx}, F_{by}: Resistencia de la sección a flexión alrededor de los ejes X y Y, respectivamente.

$$F_{bx} = F_{by} = \varphi_b F_y$$

F_{bx} : *3340.98* kp/cm²

F_{by} : *3340.98* kp/cm²

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{vx}, F_{vy}: Resistencia de la sección a cortante en las direcciones X y Y, respectivamente.

$$F_{vx} = F_{vy} = \varphi_v F_y / \sqrt{3}$$

F_{vx} : *1928.91* kp/cm²

F_{vy} : *1928.91* kp/cm²

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{tr}: Resistencia a torsión de la sección.

$$F_{Tr} = \varphi_{Tr} F_y / \sqrt{3}$$

F_{tr} : *1827.39* kp/cm²

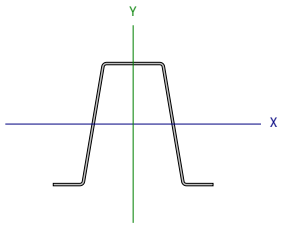
Donde:

φ_{tr}: Factor de resistencia para torsión. φ_{tr} : *0.90*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

Barra N2836/N2783

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N2836	N2783	0.510	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.99	0.97	0.00	0.00
L_K	0.502	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$

η_c : 0.201 ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N2836, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : 2.951 t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$

P_c : 14.689 t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : 0.85

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : 17.281 t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.

E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$

P_n : 17.281 t

Donde:

A_e: Área de la sección eficaz. A_e : 4.99 cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$

F_n : 3464.98 kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$

λ_c : 0.19

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : 99122.86 kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : 99122.86 kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$

F_{crex} : 110409.66 kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$

r_x : 36.35 mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : 77.42 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : 0.18

L: Longitud de la barra. L : 2.700 m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$

F_{crey} : 99122.86 kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$

r_y : 35.00 mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : 71.76 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : 0.19

L: Longitud de la barra. L : 2.700 m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.027* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2836, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2836, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.001* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$

M_{n1}^+ : *0.542* t·m

M_{n1}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$

S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.920* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.315* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2836, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.315* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2836, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.288* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$

M_{n1} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$

S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : ***0.143*** ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : *0.241* t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : *1.688* t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : *1.777* t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : *2069317.02* kp/cm²

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : *0.306*

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : *1.777* t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : *0.84* cm²

Donde:

h: Altura del tramo recto del alma. **h** : *42.11* mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : *2.00* mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : *18.973* t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : *22526.05* kp/cm²

η: Coeficiente de Poisson. η : *0.3*

E: Módulo de Young. **E** : *2069317.02* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.027 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2836, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.027 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises (Comprobación adicional)

Ya que la norma no proporciona una comprobación general para secciones sometidas a torsión combinada con otros esfuerzos, se considera que este elemento debe cumplir, además, el siguiente criterio de rotura de Von Mises:

$$\eta = \left| \frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right| \leq 1$$

η : *0.983* ✓

$$\eta = \left| \frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right| \leq 1$$

η < *0.001* ✓

$$\eta = \left[\frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right]^2 + \left[\frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right]^2 \leq 1$$

η : *0.966* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2836, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

f_a: Tensión normal debida a compresión, calculada utilizando el área de la sección bruta.

$$f_a = \frac{P_f}{A_e}$$

f_a : *231.06* kp/cm²

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.152* t

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Las tensiones utilizadas en esta comprobación se han calculado en el siguiente punto, en el cual se produce la combinación pésima de tensiones normales y tangenciales.

x: Coordenada X del punto de cálculo respecto al centro de gravedad. **x** : *-65.00* mm

y: Coordenada Y del punto de cálculo respecto al centro de gravedad. **y** : *-50.25* mm

f_{bx}: Tensión normal debida a la flexión alrededor del eje X.

$$f_{bx} = \frac{-y}{I_x} M_{fx}$$

f_{bx} : *47.47* kp/cm²

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.007* t·m

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

f_{by}: Tensión normal debida a la flexión alrededor del eje Y, calculada utilizando la sección eficaz.

$$f_{by} = \frac{-x}{I_{ey}} M_{ry}$$

f_{by} : *2974.61* kp/cm²

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *0.315* t·m

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

f_{vx}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje X. f_{vx} : *0.00* kp/cm²

f_{vy}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje Y. f_{vy} : *0.00* kp/cm²

f_{tr}: Tensión tangencial debida a la torsión. f_{tr} : *0.00* kp/cm²

F_a: Resistencia a compresión de la sección.

$$F_a = \varphi_c F_n$$

F_a : *2945.23* kp/cm²

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

F_n: Tensión crítica nominal de pandeo, calculada según el Capítulo E2. F_n : *3464.98* kp/cm²

F_{bx}, F_{by}: Resistencia de la sección a flexión alrededor de los ejes X y Y, respectivamente.

$$F_{bx} = F_{by} = \varphi_b F_y$$

F_{bx} : *3340.98* kp/cm²

F_{by} : *3340.98* kp/cm²

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{vx}, F_{vy}: Resistencia de la sección a cortante en las direcciones X y Y, respectivamente.

$$F_{vx} = F_{vy} = \varphi_v F_y / \sqrt{3}$$

F_{vx} : *1928.91* kp/cm²

F_{vy} : *1928.91* kp/cm²

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{tr}: Resistencia a torsión de la sección.

$$F_{Tr} = \varphi_{Tr} F_y / \sqrt{3}$$

F_{tr} : *1827.39* kp/cm²

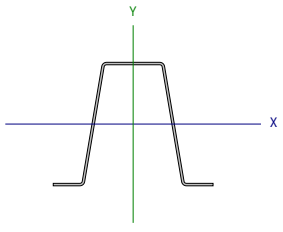
Donde:

φ_{tr}: Factor de resistencia para torsión. φ_{tr} : *0.90*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

Barra N3588/N3486

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N3588	N3486	0.510	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.98	0.97	0.00	0.00
L_K	0.501	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$ η_c : 0.203 ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3588, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : 2.978 t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$ P_c : 14.690 t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : 0.85

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : 17.283 t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.

E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$ P_n : 17.283 t

Donde:

A_e: Área de la sección eficaz. A_e : 4.99 cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$ F_n : 3465.30 kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$ λ_c : 0.19

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : 99747.30 kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : 99747.30 kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$ F_{crex} : 110409.66 kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$ r_x : 36.35 mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : 77.42 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : 0.18

L: Longitud de la barra. L : 2.700 m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$ F_{crey} : 99747.30 kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$ r_y : 35.00 mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : 71.76 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : 0.19

L: Longitud de la barra. L : 2.700 m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : ***0.028*** ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3588, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3588, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.000* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$

M_{n1}^+ : *0.542* t·m

M_{n1}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$

S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : ***0.914*** ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.313* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3588, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.293* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3588, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.313* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$

M_{n1} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$

S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$ η_v : ***0.134*** ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : *0.227* t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$ V_c : *1.688* t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : *1.777* t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : *2069317.02* kp/cm²

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$ λ_v : *0.306*

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : *1.777* t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$ A_w : *0.84* cm²

Donde:

h: Altura del tramo recto del alma. **h** : *42.11* mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : *2.00* mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : *18.973* t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$ F_{cr} : *22526.05* kp/cm²

η: Coeficiente de Poisson. η : *0.3*

E: Módulo de Young. **E** : *2069317.02* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.027 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3588, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.027 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises (Comprobación adicional)

Ya que la norma no proporciona una comprobación general para secciones sometidas a torsión combinada con otros esfuerzos, se considera que este elemento debe cumplir, además, el siguiente criterio de rotura de Von Mises:

$$\eta = \left| \frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right| \leq 1$$

η : *0.978* ✓

$$\eta = \left| \frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right| \leq 1$$

η < *0.001* ✓

$$\eta = \left[\frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right]^2 + \left[\frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right]^2 \leq 1$$

η : *0.956* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3588, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

Donde:

f_a: Tensión normal debida a compresión, calculada utilizando el área de la sección bruta.

$$f_a = \frac{P_f}{A_e}$$

f_a : *231.61* kp/cm²

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.155* t

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Las tensiones utilizadas en esta comprobación se han calculado en el siguiente punto, en el cual se produce la combinación pésima de tensiones normales y tangenciales.

x: Coordenada X del punto de cálculo respecto al centro de gravedad. **x** : *65.00* mm

y: Coordenada Y del punto de cálculo respecto al centro de gravedad. **y** : *-50.25* mm

f_{bx}: Tensión normal debida a la flexión alrededor del eje X.

$$f_{bx} = \frac{-y}{I_x} M_{fx}$$

f_{bx} : *49.19* kp/cm²

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.008* t·m

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

f_{by}: Tensión normal debida a la flexión alrededor del eje Y, calculada utilizando la sección eficaz.

$$f_{by} = \frac{-x}{I_{ey}} M_{ry}$$

f_{by} : *2954.27* kp/cm²

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *-0.313* t·m

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

f_{vx}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje X. f_{vx} : *0.00* kp/cm²

f_{vy}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje Y. f_{vy} : *0.00* kp/cm²

f_{tr}: Tensión tangencial debida a la torsión. f_{tr} : *0.00* kp/cm²

F_a: Resistencia a compresión de la sección.

$$F_a = \varphi_c F_n$$

F_a : *2945.51* kp/cm²

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

F_n: Tensión crítica nominal de pandeo, calculada según el Capítulo E2. F_n : *3465.30* kp/cm²

F_{bx}, F_{by}: Resistencia de la sección a flexión alrededor de los ejes X y Y, respectivamente.

$$F_{bx} = F_{by} = \varphi_b F_y$$

F_{bx} : *3340.98* kp/cm²

F_{by} : *3340.98* kp/cm²

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{vx}, F_{vy}: Resistencia de la sección a cortante en las direcciones X y Y, respectivamente.

$$F_{vx} = F_{vy} = \varphi_v F_y / \sqrt{3}$$

F_{vx} : *1928.91* kp/cm²

F_{vy} : *1928.91* kp/cm²

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{tr}: Resistencia a torsión de la sección.

$$F_{Tr} = \varphi_{Tr} F_y / \sqrt{3}$$

F_{tr} : *1827.39* kp/cm²

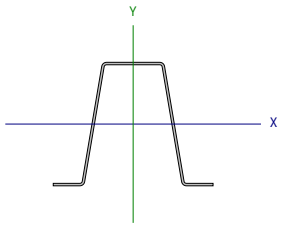
Donde:

φ_{tr}: Factor de resistencia para torsión. φ_{tr} : *0.90*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

Barra N4292/N4190

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N4292	N4190	0.510	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.98	0.97	0.00	0.00
L_K	0.501	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$ η_c : 0.203 ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N4292, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : 2.986 t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$ P_c : 14.690 t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : 0.85

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : 17.283 t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.

E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$ P_n : 17.283 t

Donde:

A_e: Área de la sección eficaz. A_e : 4.99 cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$ F_n : 3465.30 kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$ λ_c : 0.19

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : 99747.30 kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : 99747.30 kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$ F_{crex} : 110409.66 kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$ r_x : 36.35 mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : 77.42 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : 0.18

L: Longitud de la barra. L : 2.700 m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$ F_{crey} : 99747.30 kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$ r_y : 35.00 mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : 71.76 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : 0.19

L: Longitud de la barra. L : 2.700 m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.028* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4292, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4292, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.001* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$

M_{nl}^+ : *0.542* t·m

M_{nl}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$

S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.910* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.312* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4292, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.292* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4292, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.312* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$

M_{nl} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$

S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.135 ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N4292, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.228 t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 1.688 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 1.777 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.306

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 1.777 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 0.84 cm²

Donde:

h: Altura del tramo recto del alma. **h** : 42.11 mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 18.973 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 22526.05 kp/cm²

η: Coeficiente de Poisson. **η** : 0.3

E: Módulo de Young. **E** : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.027 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4292, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.027 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises (Comprobación adicional)

Ya que la norma no proporciona una comprobación general para secciones sometidas a torsión combinada con otros esfuerzos, se considera que este elemento debe cumplir, además, el siguiente criterio de rotura de Von Mises:

$$\eta = \left| \frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right| \leq 1$$

η : *0.974* ✓

$$\eta = \left| \frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right| \leq 1$$

η < *0.001* ✓

$$\eta = \left[\frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right]^2 + \left[\frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right]^2 \leq 1$$

η : *0.949* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4292, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

Donde:

f_a: Tensión normal debida a compresión, calculada utilizando el área de la sección bruta.

$$f_a = \frac{P_f}{A_e}$$

f_a : *234.80* kp/cm²

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.171* t

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Las tensiones utilizadas en esta comprobación se han calculado en el siguiente punto, en el cual se produce la combinación pésima de tensiones normales y tangenciales.

x: Coordenada X del punto de cálculo respecto al centro de gravedad. **x** : *65.00* mm

y: Coordenada Y del punto de cálculo respecto al centro de gravedad. **y** : *-50.25* mm

f_{bx}: Tensión normal debida a la flexión alrededor del eje X.

$$f_{bx} = \frac{-y}{I_x} M_{fx}$$

f_{bx} : *45.68* kp/cm²

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.007* t·m

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

f_{by}: Tensión normal debida a la flexión alrededor del eje Y, calculada utilizando la sección eficaz.

$$f_{by} = \frac{-x}{I_{ey}} M_{ry}$$

f_{by} : *2942.72* kp/cm²

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *-0.312* t·m

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

f_{vx}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje X. f_{vx} : *0.00* kp/cm²

f_{vy}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje Y. f_{vy} : *0.00* kp/cm²

f_{tr}: Tensión tangencial debida a la torsión. f_{tr} : *0.00* kp/cm²

F_a: Resistencia a compresión de la sección.

$$F_a = \varphi_c F_n$$

F_a : *2945.51* kp/cm²

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

F_n: Tensión crítica nominal de pandeo, calculada según el Capítulo E2. F_n : *3465.30* kp/cm²

F_{bx}, F_{by}: Resistencia de la sección a flexión alrededor de los ejes X y Y, respectivamente.

$$F_{bx} = F_{by} = \varphi_b F_y$$

F_{bx} : *3340.98* kp/cm²

F_{by} : *3340.98* kp/cm²

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{vx}, F_{vy}: Resistencia de la sección a cortante en las direcciones X y Y, respectivamente.

$$F_{vx} = F_{vy} = \varphi_v F_y / \sqrt{3}$$

F_{vx} : *1928.91* kp/cm²

F_{vy} : *1928.91* kp/cm²

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{tr}: Resistencia a torsión de la sección.

$$F_{Tr} = \varphi_{Tr} F_y / \sqrt{3}$$

F_{tr} : *1827.39* kp/cm²

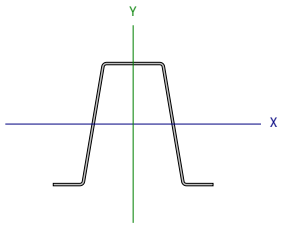
Donde:

φ_{tr}: Factor de resistencia para torsión. φ_{tr} : *0.90*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

Barra N3236/N3134

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N3236	N3134	0.510	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.98	0.97	0.00	0.00
L_K	0.501	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$

η_c : *0.203* ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3236, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *2.975* t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$

P_c : *14.690* t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : *17.283* t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.

E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$

P_n : *17.283* t

Donde:

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$

F_n : *3465.30* kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$

λ_c : *0.19*

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : *99747.30* kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : *99747.30* kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$

F_{crex} : *110409.66* kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$

r_x : *36.35* mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : *0.18*

L: Longitud de la barra. L : *2.700* m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$

F_{crey} : *99747.30* kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$

r_y : *35.00* mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : *71.76* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : *0.19*

L: Longitud de la barra. L : *2.700* m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.028* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3236, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3236, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.000* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$

M_{nl}^+ : *0.542* t·m

M_{nl}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$

S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.909* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.312* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3236, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.292* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3236, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.312* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$

M_{nl} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$

S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$ η_v : 0.135 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.227 t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$ V_c : 1.688 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 1.777 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$ λ_v : 0.306

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 1.777 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$ A_w : 0.84 cm²

Donde:

h: Altura del tramo recto del alma. **h** : 42.11 mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 18.973 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$ F_{cr} : 22526.05 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. **E** : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.027 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3236, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.027 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises (Comprobación adicional)

Ya que la norma no proporciona una comprobación general para secciones sometidas a torsión combinada con otros esfuerzos, se considera que este elemento debe cumplir, además, el siguiente criterio de rotura de Von Mises:

$$\eta = \left| \frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right| \leq 1$$

η : *0.974* ✓

$$\eta = \left| \frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right| \leq 1$$

η < *0.001* ✓

$$\eta = \left[\frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right]^2 + \left[\frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right]^2 \leq 1$$

η : *0.948* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N3236, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

Donde:

f_a: Tensión normal debida a compresión, calculada utilizando el área de la sección bruta.

$$f_a = \frac{P_f}{A_e}$$

f_a : *230.62* kp/cm²

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.150* t

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Las tensiones utilizadas en esta comprobación se han calculado en el siguiente punto, en el cual se produce la combinación pésima de tensiones normales y tangenciales.

x: Coordenada X del punto de cálculo respecto al centro de gravedad. **x** : *65.00* mm

y: Coordenada Y del punto de cálculo respecto al centro de gravedad. **y** : *-50.25* mm

f_{bx}: Tensión normal debida a la flexión alrededor del eje X.

$$f_{bx} = \frac{-y}{I_x} M_{fx}$$

f_{bx} : *50.80* kp/cm²

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.008* t·m

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

f_{by}: Tensión normal debida a la flexión alrededor del eje Y, calculada utilizando la sección eficaz.

$$f_{by} = \frac{-x}{I_{ey}} M_{ry}$$

f_{by} : *2941.02* kp/cm²

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *-0.312* t·m

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

f_{vx}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje X. f_{vx} : *0.00* kp/cm²

f_{vy}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje Y. f_{vy} : *0.00* kp/cm²

f_{tr}: Tensión tangencial debida a la torsión. f_{tr} : *0.00* kp/cm²

F_a: Resistencia a compresión de la sección.

$$F_a = \varphi_c F_n$$

F_a : *2945.51* kp/cm²

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

F_n: Tensión crítica nominal de pandeo, calculada según el Capítulo E2. F_n : *3465.30* kp/cm²

F_{bx}, F_{by}: Resistencia de la sección a flexión alrededor de los ejes X y Y, respectivamente.

$$F_{bx} = F_{by} = \varphi_b F_y$$

F_{bx} : *3340.98* kp/cm²

F_{by} : *3340.98* kp/cm²

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{vx}, F_{vy}: Resistencia de la sección a cortante en las direcciones X y Y, respectivamente.

$$F_{vx} = F_{vy} = \varphi_v F_y / \sqrt{3}$$

F_{vx} : *1928.91* kp/cm²

F_{vy} : *1928.91* kp/cm²

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{tr}: Resistencia a torsión de la sección.

$$F_{Tr} = \varphi_{Tr} F_y / \sqrt{3}$$

F_{tr} : *1827.39* kp/cm²

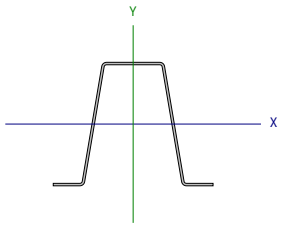
Donde:

φ_{tr}: Factor de resistencia para torsión. φ_{tr} : *0.90*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

Barra N2532/N2430

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N2532	N2430	0.510	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.98	0.97	0.00	0.00
L_K	0.501	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$

η_c : *0.202* ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N2532, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *2.971* t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$

P_c : *14.690* t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : *17.283* t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.
E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$

P_n : *17.283* t

Donde:

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$

F_n : *3465.30* kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$

λ_c : *0.19*

Donde:

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : *99747.30* kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : *99747.30* kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$

F_{crex} : *110409.66* kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$

r_x : *36.35* mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : *0.18*

L: Longitud de la barra. L : *2.700* m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$

F_{crey} : *99747.30* kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$

r_y : *35.00* mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : *71.76* cm4

A: Área de la sección bruta. A : *5.86* cm²

E: Módulo de Young. E : *2069317.02* kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : *0.19*

L: Longitud de la barra. L : *2.700* m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.028* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2532, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2532, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.000* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$

M_{n1}^+ : *0.542* t·m

M_{n1}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$

S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.908* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.311* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2532, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.291* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2532, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.311* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$

M_{n1} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$

S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : *0.140* ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N2532, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : *0.236* t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : *1.688* t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : *1.777* t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : *2069317.02* kp/cm²

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : *0.306*

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : *1.777* t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : *0.84* cm²

Donde:

h: Altura del tramo recto del alma. **h** : *42.11* mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : *2.00* mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : *18.973* t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : *22526.05* kp/cm²

η: Coeficiente de Poisson. η : *0.3*

E: Módulo de Young. **E** : *2069317.02* kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : *5.34*

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.028 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2532, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.028 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises (Comprobación adicional)

Ya que la norma no proporciona una comprobación general para secciones sometidas a torsión combinada con otros esfuerzos, se considera que este elemento debe cumplir, además, el siguiente criterio de rotura de Von Mises:

$$\eta = \left| \frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right| \leq 1$$

η : *0.974* ✓

$$\eta = \left| \frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right| \leq 1$$

η < *0.001* ✓

$$\eta = \left[\frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right]^2 + \left[\frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right]^2 \leq 1$$

η : *0.948* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N2532, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

Donde:

f_a: Tensión normal debida a compresión, calculada utilizando el área de la sección bruta.

$$f_a = \frac{P_f}{A_e}$$

f_a : *233.66* kp/cm²

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.165* t

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Las tensiones utilizadas en esta comprobación se han calculado en el siguiente punto, en el cual se produce la combinación pésima de tensiones normales y tangenciales.

x: Coordenada X del punto de cálculo respecto al centro de gravedad. **x** : *65.00* mm

y: Coordenada Y del punto de cálculo respecto al centro de gravedad. **y** : *-50.25* mm

f_{bx}: Tensión normal debida a la flexión alrededor del eje X.

$$f_{bx} = \frac{-y}{I_x} M_{fx}$$

f_{bx} : *52.24* kp/cm²

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.008* t·m

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

f_{by}: Tensión normal debida a la flexión alrededor del eje Y, calculada utilizando la sección eficaz.

$$f_{by} = \frac{-x}{I_{ey}} M_{ry}$$

f_{by} : *2935.27* kp/cm²

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *-0.311* t·m

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

f_{vx}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje X. f_{vx} : *0.00* kp/cm²

f_{vy}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje Y. f_{vy} : *0.00* kp/cm²

f_{tr}: Tensión tangencial debida a la torsión. f_{tr} : *0.00* kp/cm²

F_a: Resistencia a compresión de la sección.

$$F_a = \varphi_c F_n$$

F_a : *2945.51* kp/cm²

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

F_n: Tensión crítica nominal de pandeo, calculada según el Capítulo E2. F_n : *3465.30* kp/cm²

F_{bx}, F_{by}: Resistencia de la sección a flexión alrededor de los ejes X y Y, respectivamente.

$$F_{bx} = F_{by} = \varphi_b F_y$$

F_{bx} : *3340.98* kp/cm²

F_{by} : *3340.98* kp/cm²

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{vx}, F_{vy}: Resistencia de la sección a cortante en las direcciones X y Y, respectivamente.

$$F_{vx} = F_{vy} = \varphi_v F_y / \sqrt{3}$$

F_{vx} : *1928.91* kp/cm²

F_{vy} : *1928.91* kp/cm²

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{tr}: Resistencia a torsión de la sección.

$$F_{Tr} = \varphi_{Tr} F_y / \sqrt{3}$$

F_{tr} : *1827.39* kp/cm²

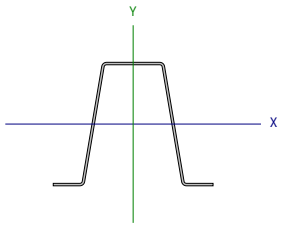
Donde:

φ_{tr}: Factor de resistencia para torsión. φ_{tr} : *0.90*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

Barra N3263/N3136

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N3263	N3136	0.070	5.86	77.42	71.76	0.08

Notas:
(1) *Inercia respecto al eje indicado*
(2) *Momento de inercia a torsión uniforme*

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	7.16	7.13	0.00	0.00
L_K	0.502	0.499	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: *Coeficiente de pandeo*
L_K: *Longitud de pandeo (m)*
C_m: *Coeficiente de momentos*
C_b: *Factor de modificación para el momento crítico*

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$

η_c : 0.200 ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3263, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : 2.943 t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$

P_c : 14.690 t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : 0.85

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : 17.282 t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.

E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$

P_n : 17.282 t

Donde:

A_e: Área de la sección eficaz. A_e : 4.99 cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$

F_n : 3465.16 kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$

λ_c : 0.19

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : 99475.90 kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : 99475.90 kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$

F_{crex} : 108303.79 kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$

r_x : 36.35 mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : 77.42 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : 0.18

L: Longitud de la barra. L : 2.780 m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$

F_{crey} : 99475.90 kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$

r_y : 35.00 mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : 71.76 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : 0.18

L: Longitud de la barra. L : 2.780 m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.013* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.007* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3136, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+0.3·SX+SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.007* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3136, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2-0.3·SX-SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.004* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$

M_{nl}^+ : *0.542* t·m

M_{nl}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$

S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.917* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.314* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3136, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.288* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3136, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.314* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$

M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$

M_{nl} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$

S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$ η_v : 0.132 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.222 t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$ V_c : 1.688 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 1.777 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. **E** : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$ λ_v : 0.306

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 1.777 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$ A_w : 0.84 cm²

Donde:

h: Altura del tramo recto del alma. **h** : 42.11 mm

t: Espesor de los elementos paralelos a la dirección del cortante. **t** : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 18.973 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$ F_{cr} : 22526.05 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. **E** : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+0.3·SX+SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.004 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η < 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3136, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+0.3·SX+SY.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.000

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.007 t·m

M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.004 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises (Comprobación adicional)

Ya que la norma no proporciona una comprobación general para secciones sometidas a torsión combinada con otros esfuerzos, se considera que este elemento debe cumplir, además, el siguiente criterio de rotura de Von Mises:

$$\eta = \left| \frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right| \leq 1$$

η : *0.972* ✓

$$\eta = \left| \frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right| \leq 1$$

η < *0.001* ✓

$$\eta = \left[\frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right]^2 + \left[\frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right]^2 \leq 1$$

η : *0.944* ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N3136, para la combinación de acciones
1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

f_a: Tensión normal debida a compresión, calculada utilizando el área de la sección bruta.

$$f_a = \frac{P_f}{A_e}$$

f_a : *240.54* kp/cm²

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.200* t

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Las tensiones utilizadas en esta comprobación se han calculado en el siguiente punto, en el cual se produce la combinación pésima de tensiones normales y tangenciales.

x: Coordenada X del punto de cálculo respecto al centro de gravedad. **x** : *65.00* mm

y: Coordenada Y del punto de cálculo respecto al centro de gravedad. **y** : *-50.25* mm

f_{bx}: Tensión normal debida a la flexión alrededor del eje X.

$$f_{bx} = \frac{-y}{I_x} M_{fx}$$

f_{bx} : *7.67* kp/cm²

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.001* t·m

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

f_{by}: Tensión normal debida a la flexión alrededor del eje Y, calculada utilizando la sección eficaz.

$$f_{by} = \frac{-x}{I_{ey}} M_{ry}$$

f_{by} : *2965.26* kp/cm²

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *-0.314* t·m

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

f_{vx}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje X. f_{vx} : *0.00* kp/cm²

f_{vy}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje Y. f_{vy} : *0.00* kp/cm²

f_{tr}: Tensión tangencial debida a la torsión. f_{tr} : *0.00* kp/cm²

F_a: Resistencia a compresión de la sección.

$$F_a = \varphi_c F_n$$

F_a : *2945.39* kp/cm²

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

F_n: Tensión crítica nominal de pandeo, calculada según el Capítulo E2. F_n : *3465.16* kp/cm²

F_{bx}, F_{by}: Resistencia de la sección a flexión alrededor de los ejes X y Y, respectivamente.

$$F_{bx} = F_{by} = \varphi_b F_y$$

F_{bx} : *3340.98* kp/cm²

F_{by} : *3340.98* kp/cm²

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{vx}, F_{vy}: Resistencia de la sección a cortante en las direcciones X y Y, respectivamente.

$$F_{vx} = F_{vy} = \varphi_v F_y / \sqrt{3}$$

F_{vx} : *1928.91* kp/cm²

F_{vy} : *1928.91* kp/cm²

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{tr}: Resistencia a torsión de la sección.

$$F_{Tr} = \varphi_{Tr} F_y / \sqrt{3}$$

F_{tr} : *1827.39* kp/cm²

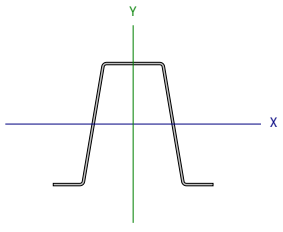
Donde:

φ_{tr}: Factor de resistencia para torsión. φ_{tr} : *0.90*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

Barra N4244/N4191

Perfil: G 100x50x25x130x2.0
Material: Acero (A572 50ksi)



Nudos		Longitud (m)	Características mecánicas			
Inicial	Final		Área (cm^2)	I_x (1) (cm4)	I_y (1) (cm4)	I_t (2) (cm4)
N4244	N4191	0.510	5.86	77.42	71.76	0.08

Notas:
(1) Inercia respecto al eje indicado
(2) Momento de inercia a torsión uniforme

	Pandeo		Pandeo lateral	
	Plano ZX	Plano ZY	Ala sup.	Ala inf.
β	0.99	0.97	0.00	0.00
L_K	0.502	0.494	0.000	0.000
C_m	0.600	0.600	-	-
C_b	-		1.000	

Notación:
β: Coeficiente de pandeo
L_K: Longitud de pandeo (m)
C_m: Coeficiente de momentos
C_b: Factor de modificación para el momento crítico

Limitaciones geométricas (B4.1)

Se debe satisfacer:

$w_1/t \leq 60$ — w_1 / t : *46.97* ✓

Donde:

w_1: Longitud del tramo recto del elemento inclinado. — w_1 : *93.93* mm

t: Espesor. — t : *2.00* mm

$w_2/t \leq 90$ — w_2 / t : *21.06* ✓

Donde:

w_2: Longitud del tramo recto del elemento horizontal superior (paralelo al eje X). — w_2 : *42.11* mm

t: Espesor. — t : *2.00* mm

$w_3/t \leq 60$ — w_3 / t : *10.53* ✓

Donde:

w_3: Longitud del tramo recto del elemento horizontal inferior (paralelo al eje X). — w_3 : *21.06* mm

t: Espesor. — t : *2.00* mm

Resistencia a tracción (D1)

La comprobación no procede, ya que no hay axil de tracción.

Resistencia a compresión (E1)

Se debe satisfacer:

$$\eta_c = \frac{P_f}{P_c} \leq 1$$ η_c : 0.202 ✓

El esfuerzo solicitante de cálculo pésimo se produce en el nudo N4244, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : 2.971 t

P_c: Resistencia de diseño a compresión.

$$P_c = \varphi_c P_{ne}$$ P_c : 14.689 t

Donde:

φ_c: Factor de resistencia para compresión. φ_c : 0.85

P_n: Resistencia nominal a compresión, tomada como el menor de los valores E2, E3 y E4. P_n : 17.281 t

E2 Resistencia nominal a compresión, considerando el efecto del pandeo por flexión, flexotorsión o torsión.

E3 Interacción entre el pandeo local, la deformación plástica y el pandeo global

$$P_n = A_e F_n$$ P_n : 17.281 t

Donde:

A_e: Área de la sección eficaz. A_e : 4.99 cm²

Para $\lambda_c \leq 1.5$

$$F_n = (0.658^{\lambda_c^2}) F_y$$ F_n : 3464.98 kp/cm²

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

$$\lambda_c = \sqrt{\frac{F_y}{F_{cre}}}$$ λ_c : 0.19

Donde:

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

F_{cre}: Tensión elástica de pandeo a flexión calculada según las Secciones E2.1 a E2.4. F_{cre} : 99122.86 kp/cm²

E2.1 Secciones no sometidas a pandeo por torsión o por flexotorsión.

F_{crit}: Tensión crítica de pandeo, tomada como la menor de F_{crex} y F_{crey}. F_{crit} : 99122.86 kp/cm²

Donde:

$$F_{crex} = \frac{(\pi r_x)^2 E}{(K_x L)^2}$$ F_{crex} : 110409.66 kp/cm²

Donde:

$$r_x = \sqrt{\frac{I_x}{A}}$$ r_x : 36.35 mm

Donde:

I_x: Momento de inercia respecto al eje X. I_x : 77.42 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_x: Factor de longitud eficaz para el eje X. K_x : 0.18

L: Longitud de la barra. L : 2.700 m

$$F_{crey} = \frac{(\pi r_y)^2 E}{(K_y L)^2}$$ F_{crey} : 99122.86 kp/cm²

Donde:

$$r_y = \sqrt{\frac{I_y}{A}}$$ r_y : 35.00 mm

Donde:

I_y: Momento de inercia respecto al eje Y. I_y : 71.76 cm4

A: Área de la sección bruta. A : 5.86 cm²

E: Módulo de Young. E : 2069317.02 kp/cm²

K_y: Factor de longitud eficaz para el eje Y. K_y : 0.19

L: Longitud de la barra. L : 2.700 m

E2.2 Secciones con uno o dos ejes de simetría sometidas a pandeo por torsión o por flexotorsión.

(i) Para secciones con un eje de simetría, y angulares con alas iguales en los que el área eficaz no es igual al área bruta de la sección.

Las comprobaciones de la Sección E2.2 no proceden, ya que las longitudes efectivas de pandeo lateral de este elemento son nulas.

E4 Resistencia a pandeo por distorsión.

La comprobación de la Sección E4 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a torsión (Comprobación adicional)

La comprobación no procede, ya que no hay torsión.

Resistencia a flexión alrededor del eje X (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.027* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.014* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4244, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.014* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4244, para la combinación de acciones 0.9·PP+0.9·CM1+0.9·CM2+0.3·SX+SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.001* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$ M_c : *0.515* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.542* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.542* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.537* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{etx} F_y$$ M_{n1}^+ : *0.542* t·m

M_{n1}^- : *0.537* t·m

Donde:

$$S_{etx} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ey} y - I_{exy} x} \right|$$ S_{etx}^+ : *15.41* cm³

S_{etx}^- : *15.26* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex}^+ : *77.42* cm4

I_{ex}^- : *76.93* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey}^+ : *71.76* cm4

I_{ey}^- : *71.30* cm4

I_{exy}: Producto eficaz de inercia. I_{exy} : *0.00* cm4

x: Distancia a la fibra extrema en flexión. **x** : *-65.00* mm

y: Distancia a la fibra extrema en flexión. **y**$^+$: *-50.25* mm

y$^-$: *-50.42* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F2 Resistencia a pandeo lateral-torsional.

Como el factor de longitud eficaz para pandeo lateral es cero, la barra no está sometida a pandeo lateral-torsional. La resistencia a flexión se calcula según la Sección F3.1.

Resistencia a flexión alrededor del eje Y (F3.1, F2, F4)

Se debe satisfacer:

$$\eta_B = \frac{M_f}{M_c} \leq 1$$

η_B : *0.906* ✓

M_f: Resistencia a flexión crítica requerida para las combinaciones de carga LRFD. M_f : *0.310* t·m

Para flexión positiva:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4244, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

M_f^+: Resistencia requerida para flexión positiva. M_f^+ : *0.310* t·m

Para flexión negativa:

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4244, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1-SX-0.3·SY.

M_f^-: Resistencia requerida para flexión negativa. M_f^- : *0.283* t·m

M_c: Resistencia de diseño a flexión.

$$M_c = \varphi_b M_n$$ M_c : *0.343* t·m

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

M_n: La resistencia a flexión nominal mínima se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4. M_n : *0.361* t·m

Donde:

M_n^+: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión positiva. M_n^+ : *0.361* t·m

M_n^-: La resistencia a flexión nominal se calcula como la menor de las calculadas en los apartados aplicables del Capítulo F3.1, F2, F4 para flexión negativa. M_n^- : *0.361* t·m

F3.1 Resistencia nominal de la sección.

$$M_{nl} = S_{ety} F_y$$ M_{n1} : *0.361* t·m

Donde:

$$S_{ety} = \left| \frac{I_{ex} I_{ey} - I_{exy}^2}{I_{ex} x - I_{exy} y} \right|$$ S_{ety} : *10.25* cm³

Donde:

I_{ex}: Momento eficaz de inercia respecto al eje X. I_{ex} : *77.01* cm4

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

I_{exy}: Producto eficaz de inercia. I_{exy}^+ : *0.25* cm4

I_{exy}^- : *-0.25* cm4

x: Distancia a la fibra extrema en flexión. **x**$^+$: *66.98* mm

x$^-$: *-66.98* mm

y: Distancia a la fibra extrema en flexión. **y** : *-50.35* mm

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F4.1 Resistencia a pandeo por distorsión.

La comprobación de la Sección F4.1 no procede, ya que la longitud efectiva de pandeo por distorsión es cero.

Resistencia a corte en la dirección del eje X (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$ η_v : 0.138 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.234 t

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$ V_c : 1.688 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 1.777 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

$$V_n = V_y$$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$ λ_v : 0.306

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 1.777 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$ A_w : 0.84 cm²

Donde:

h: Altura del tramo recto del alma. h : 42.11 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 18.973 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$ F_{cr} : 22526.05 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

Resistencia a corte en la dirección del eje Y (G2)

Se debe satisfacer:

$$\eta_v = \frac{V_f}{V_c} \leq 1$$

η_v : 0.007 ✓

El esfuerzo solicitante de cálculo pésimo se produce para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

V_f: Resistencia a cortante requerida para las combinaciones de carga LRFD. V_f : 0.027 t

La resistencia a corte requerida se ha reducido de forma que la fuerza aplicada se distribuye entre todos los elementos, puesto que la sección tiene más de un elemento que resiste cortante.

V_c: Resistencia de diseño a cortante.

$$V_c = \varphi_v V_n$$

V_c : 3.820 t

Donde:

φ_v: Factor de resistencia para cortante. φ_v : 0.95

V_n: La resistencia nominal a cortante es el menor de los valores calculados según la Sección G2.1, G2.2 y G2.3. V_n : 4.021 t

Sección G2.1. La resistencia a cortante, V_n, de miembros flexados sin rigidizadores transversales en las almas será calculada de la siguiente manera:

(a) Para $\lambda_v \leq 0.815$

Donde:

E: Módulo de Young. E : 2069317.02 kp/cm²

F_y: Límite elástico del acero. F_y : 3516.82 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

$$\lambda_v = \sqrt{\frac{V_y}{V_{cr}}}$$

λ_v : 0.683

Siendo:

V_y: Esfuerzo cortante de fluencia de la sección transversal V_y : 3.964 t

$$V_y = 0.6 A_w F_y$$

Donde:

A_w: Área de los elementos paralelos a la dirección del cortante.

$$A_w = ht$$

A_w : 1.88 cm²

Donde:

h: Altura del tramo recto del alma. h : 93.93 mm

t: Espesor de los elementos paralelos a la dirección del cortante. t : 2.00 mm

V_{cr}: Fuerza de abolladura por cortante elástico definida en la Sección G2.3 para sólo almas planas, o determinada de acuerdo con Apéndice 2 para todas secciones transversales de elementos precalificados (Tabla B4.1-1). V_{cr} : 8.506 t

Sección G2.3. Fuerza de abolladura por cortante elástico crítico del alma, V_{cr}.

La fuerza de abolladura por cortante, V_{cr}, de un alma se debe determinar de acuerdo con esta sección:

$$V_{cr} = A_w F_{cr}$$

Donde:

F_{cr}: tensión a la abolladura por cortante elástico.

$$F_{cr} = \frac{\pi^2 E k_v}{12(1-\mu^2)(h/t)^2}$$

F_{cr} : 4527.66 kp/cm²

η: Coeficiente de Poisson. η : 0.3

E: Módulo de Young. E : 2069317.02 kp/cm²

K_v: Coeficiente de abolladura por cortante. K_v : 5.34

θ: Ángulo de inclinación. θ : 80.4 grados

Resistencia a flexión alrededor del eje X combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje Y combinada con torsión (H4)

No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : 0.001 ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4244, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+1.6·Q1.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fx}}{M_{cx}}\right)^2 + \left(\frac{V_{fy}}{V_{cy}}\right)^2$$

η : 0.001

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : 0.014 t·m

M_{cx}: Resistencia de diseño a flexión alrededor del eje X. M_{cx} : 0.515 t·m

V_{fy}: Resistencia a cortante requerida en la dirección del eje Y para las combinaciones de carga LRFD. V_{fy} : 0.027 t

V_{cy}: Resistencia de diseño a cortante en la dirección del eje Y. V_{cy} : 3.820 t

Resistencia a flexión alrededor del eje Y combinada con corte en la dirección del eje X (H2)

Se debe satisfacer:

$$\eta \leq 1$$

η : *0.839* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4244, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

(a) Para vigas sin rigidizadores transversales.

$$\eta = \left(\frac{M_{fy}}{M_{cy}}\right)^2 + \left(\frac{V_{fx}}{V_{cx}}\right)^2$$

η : *0.839*

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *0.310* t·m

M_{cy}: Resistencia de diseño a flexión alrededor del eje Y. M_{cy} : *0.343* t·m

V_{fx}: Resistencia a cortante requerida en la dirección del eje X para las combinaciones de carga LRFD. V_{fx} : *0.232* t

V_{cx}: Resistencia de diseño a cortante en la dirección del eje X. V_{cx} : *1.712* t

Resistencia a flexión combinada con tracción (H1.1)

No hay interacción entre axil de tracción y momento flector para ninguna combinación. Por lo tanto, la comprobación no procede.

Resistencia a flexión combinada con compresión (H1.2)

(b) Se debe satisfacer el siguiente criterio si $\frac{P_f}{\varphi_c P_n} \leq 0.15$

$$\eta = \frac{P_f}{\varphi_c P_n} + \frac{M_{fx}}{\varphi_{bx} M_{nx}} + \frac{M_{fy}}{\varphi_{by} M_{ny}} \leq 1$$

η : *0.999* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4244, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.172* t

P_n: Resistencia nominal a compresión según la Sección E1. P_n : *17.281* t

φ_{bx}: Factor de resistencia para flexión alrededor del eje X. φ_{bx} : *0.95*

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.007* t·m

M_{nx}: Resistencia nominal a flexión alrededor del eje X según la Sección F. M_{nx} : *0.542* t·m

φ_{by}: Factor de resistencia para flexión alrededor del eje Y. φ_{by} : *0.95*

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *0.310* t·m

M_{ny}: Resistencia nominal a flexión alrededor del eje Y según la Sección F. M_{ny} : *0.361* t·m

Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises (Comprobación adicional)

Ya que la norma no proporciona una comprobación general para secciones sometidas a torsión combinada con otros esfuerzos, se considera que este elemento debe cumplir, además, el siguiente criterio de rotura de Von Mises:

$$\eta = \left| \frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right| \leq 1$$

η : *0.970* ✓

$$\eta = \left| \frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right| \leq 1$$

η < *0.001* ✓

$$\eta = \left[\frac{f_a}{F_a} + \frac{f_{bx}}{F_{bx}} + \frac{f_{by}}{F_{by}} \right]^2 + \left[\frac{f_{Vx}}{F_{Vx}} + \frac{f_{Vy}}{F_{Vy}} + \frac{f_{Tr}}{F_{Tr}} \right]^2 \leq 1$$

η : *0.940* ✓

El esfuerzo solicitante de cálculo pésimo se produce en un punto situado a una distancia de 0.430 m del nudo N4244, para la combinación de acciones 1.2·PP+1.2·CM1+1.2·CM2+0.5·Q1+SX+0.3·SY.

Donde:

f_a: Tensión normal debida a compresión, calculada utilizando el área de la sección bruta.

$$f_a = \frac{P_f}{A_e}$$

f_a : *235.07* kp/cm²

Donde:

P_f: Resistencia a compresión requerida para las combinaciones de carga LRFD. P_f : *1.172* t

A_e: Área de la sección eficaz. A_e : *4.99* cm²

Las tensiones utilizadas en esta comprobación se han calculado en el siguiente punto, en el cual se produce la combinación pésima de tensiones normales y tangenciales.

x: Coordenada X del punto de cálculo respecto al centro de gravedad. **x** : *-65.00* mm

y: Coordenada Y del punto de cálculo respecto al centro de gravedad. **y** : *-50.25* mm

f_{bx}: Tensión normal debida a la flexión alrededor del eje X.

$$f_{bx} = \frac{-y}{I_x} M_{fx}$$

f_{bx} : *44.49* kp/cm²

Donde:

M_{fx}: Resistencia requerida a flexión respecto al eje X para las combinaciones de carga LRFD. M_{fx} : *0.007* t·m

I_x: Momento de inercia respecto al eje X. I_x : *77.42* cm4

f_{by}: Tensión normal debida a la flexión alrededor del eje Y, calculada utilizando la sección eficaz.

$$f_{by} = \frac{-x}{I_{ey}} M_{ry}$$

f_{by} : *2928.73* kp/cm²

Donde:

M_{fy}: Resistencia requerida a flexión respecto al eje Y para las combinaciones de carga LRFD. M_{fy} : *0.310* t·m

I_{ey}: Momento eficaz de inercia respecto al eje Y. I_{ey} : *68.85* cm4

f_{vx}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje X. f_{vx} : *0.00* kp/cm²

f_{vy}: Tensión tangencial debida al esfuerzo cortante en la dirección del eje Y. f_{vy} : *0.00* kp/cm²

f_{tr}: Tensión tangencial debida a la torsión. f_{tr} : *0.00* kp/cm²

F_a: Resistencia a compresión de la sección.

$$F_a = \varphi_c F_n$$

F_a : *2945.23* kp/cm²

Donde:

φ_c: Factor de resistencia para compresión. φ_c : *0.85*

F_n: Tensión crítica nominal de pandeo, calculada según el Capítulo E2. F_n : *3464.98* kp/cm²

F_{bx}, F_{by}: Resistencia de la sección a flexión alrededor de los ejes X y Y, respectivamente.

$$F_{bx} = F_{by} = \varphi_b F_y$$

F_{bx} : *3340.98* kp/cm²

F_{by} : *3340.98* kp/cm²

Donde:

φ_b: Factor de resistencia para flexión. φ_b : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{vx}, F_{vy}: Resistencia de la sección a cortante en las direcciones X y Y, respectivamente.

$$F_{vx} = F_{vy} = \varphi_v F_y / \sqrt{3}$$

F_{vx} : *1928.91* kp/cm²

F_{vy} : *1928.91* kp/cm²

Donde:

φ_v: Factor de resistencia para cortante. φ_v : *0.95*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

F_{tr}: Resistencia a torsión de la sección.

$$F_{Tr} = \varphi_{Tr} F_y / \sqrt{3}$$

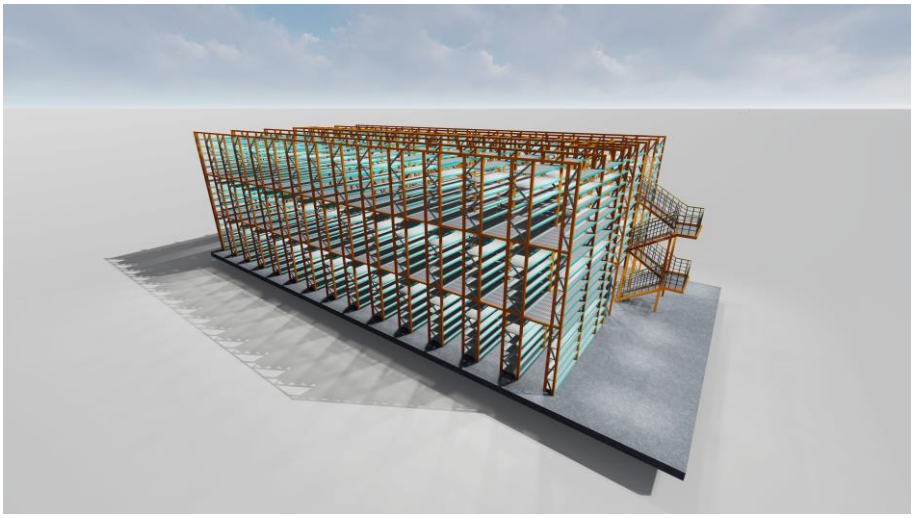
F_{tr} : *1827.39* kp/cm²

Donde:

φ_{tr}: Factor de resistencia para torsión. φ_{tr} : *0.90*

F_y: Límite elástico del acero. F_y : *3516.82* kp/cm²

CONTRATAR EN NOMBRE DE LA NACIÓN - CONSEJO SUPERIOR DE LA JUDICATURA - DIRECCIÓN SECCIONAL DE ADMINISTRACIÓN JUDICIAL DE IBAGUÉ, LA CONSULTORÍA PARA LA ELABORACIÓN DE LOS DISEÑOS Y PRESUPUESTO REQUERIDO PARA LA IMPLEMENTACIÓN DE UN SISTEMA DE ALMACENAMIENTO DE ARCHIVO TIPO MEZZANINE METÁLICO AUTOPORTABLE.



FICHAS TECNICAS

ABRIL 2025

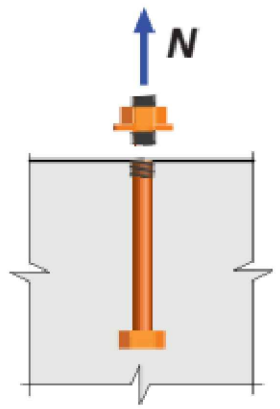
Fábrica: Transversal 60C No. 93A-45 Bogotá D.C Tels.: 8051034-56 / 318 6595695
licitaciones@mademuebles.com.co, licitaciones.mademuebles@gmail.com
www.mademuebles.com.co

Detalle	Contiene	Sistema	Línea	Fecha	Versión
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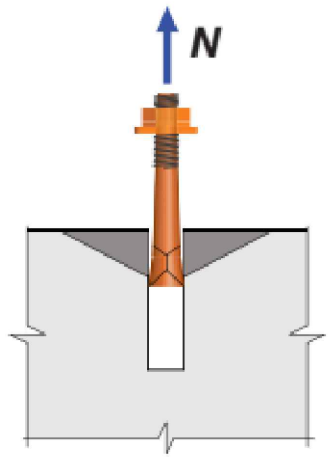
Convenciones: **ANCLAJE** **FALLA** ESTRUCTURA EN CONCRETO

Escala: Sin escala

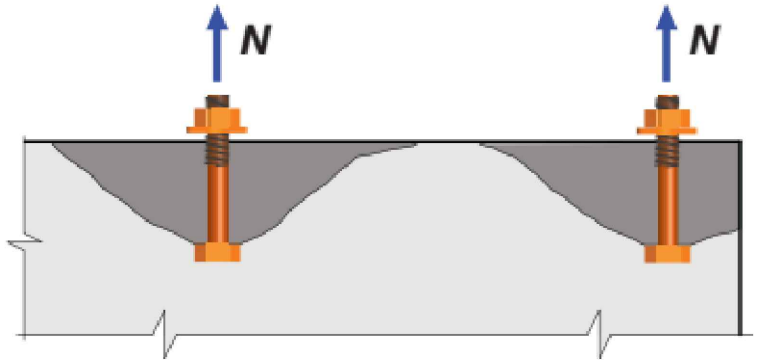
CARGADOS A TRACCIÓN



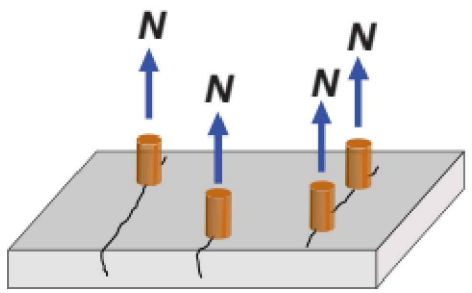
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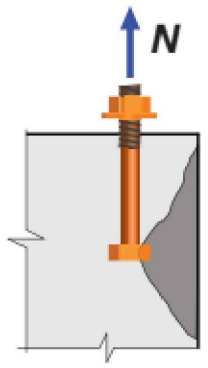
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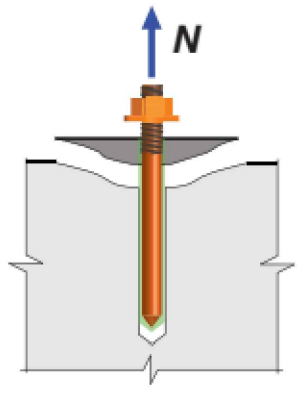
ARRANCAMIENTO DEL CONCRETO 3



HENDIMIENTO DEL CONCRETO 4



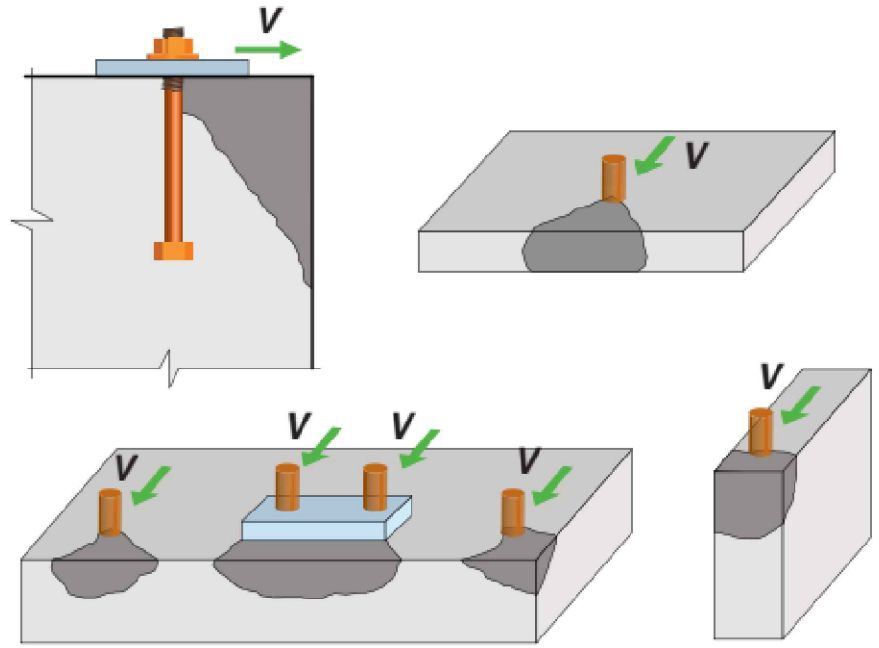
DESPRENDIMIENTO LATERAL 5



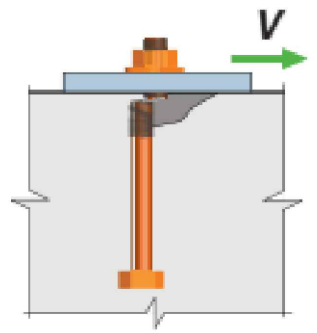
FALLA DE ADHERENCIA 6

REF. ACI-318-19 CAP 17

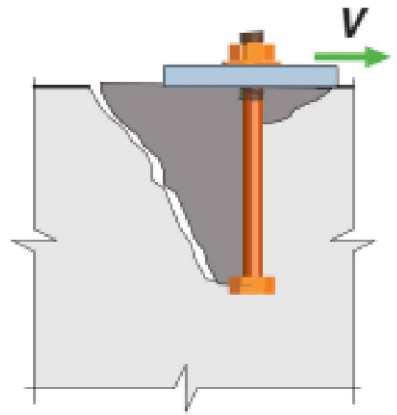
CARGADOS EN CORTANTE



ARRANCAMIENTO DEL CONCRETO



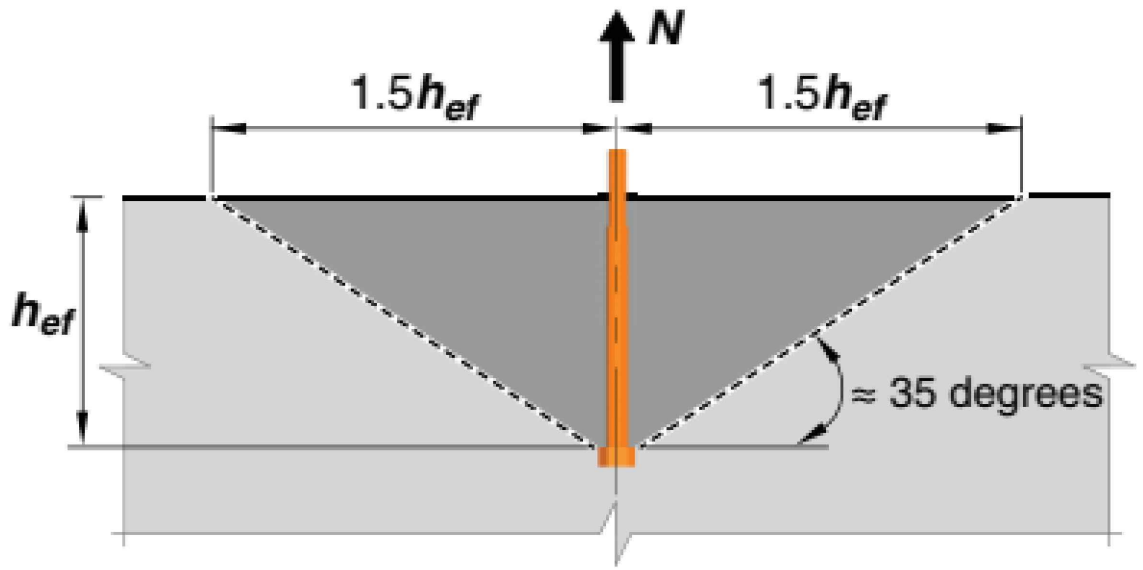
FALLA DEL ACERO PRECEDIDA POR DESCASCARAMIENTO DEL CONCRETO



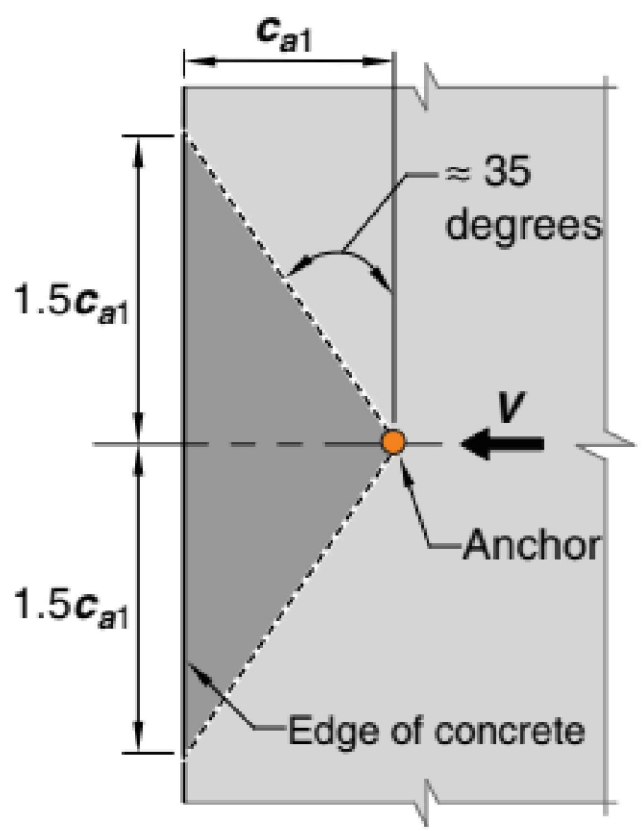
DESPRENDIMIENTO DEL CONCRETO PARA ANCLAJES LEJOS DEL BORDE LIBRE

Detalle	Contiene	Sistema	Línea	Fecha	Versión
D1	**MODOS DE FALLA DE ANCLAJES**	ANCLAJES EPOXICOS	GROUTS - ANCLAJES EPOXICOS	28/03/20	V_01
Convenciones: ANCLAJE · FALLA · ESTRUCTURA EN CONCRETO					Escala: Sin escala

CARGADOS A TRACCIÓN



ALZADO. CONO DE ARRANCAMIENTO POR TRACCIÓN

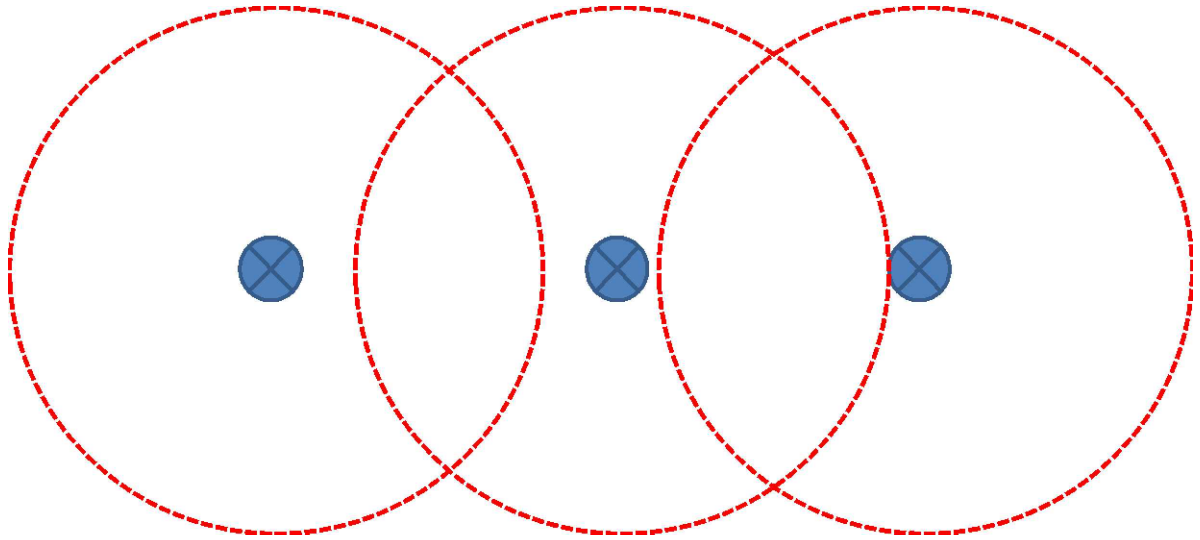


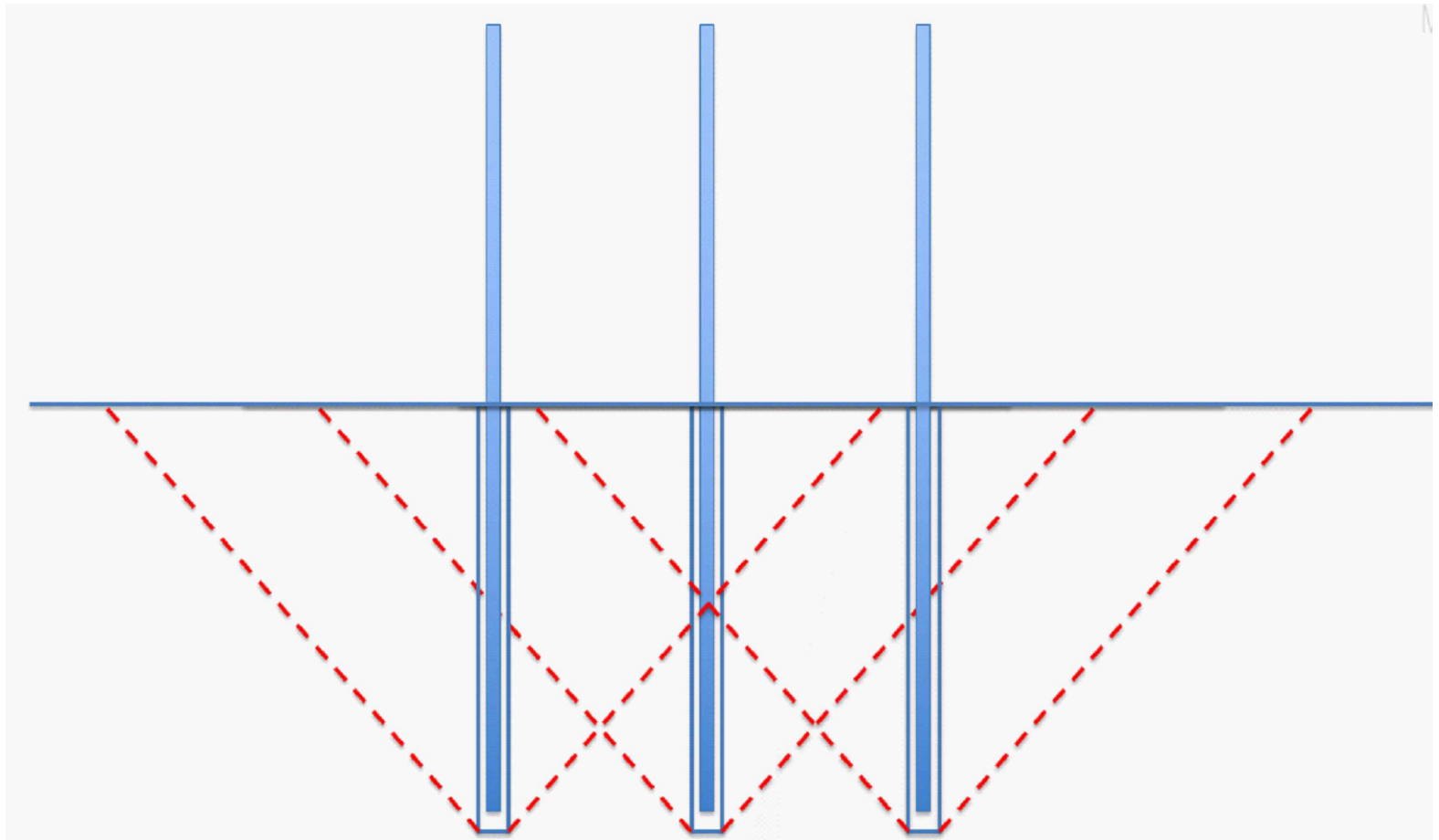
PLANTA . CONO DE ARRANCAMIENTO POR CORTANTE

CARGADOS EN CORTANTE

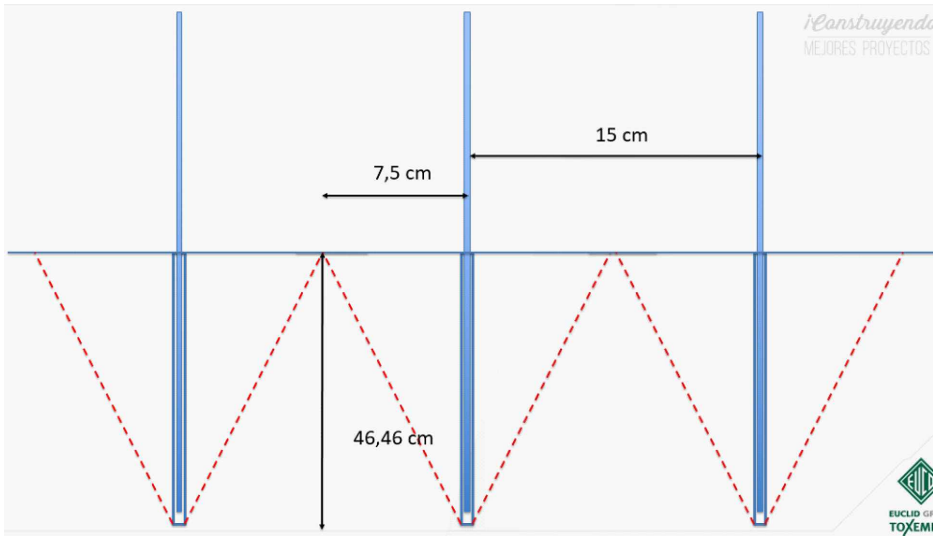
Detalle	Contiene	Sistema	Línea	Fecha	Versión
D1	**MODOS DE FALLA DE ANCLAJES**	ANCLAJES EPOXICOS	GROUTS - ANCLAJES EPOXICOS	28/03/20	V_01
Convenciones: ANCLAJE · FALLA · ESTRUCTURA EN CONCRETO					Escala: Sin escala

CARGADOS A TRACCIÓN





CARGADOS EN CORTANTE

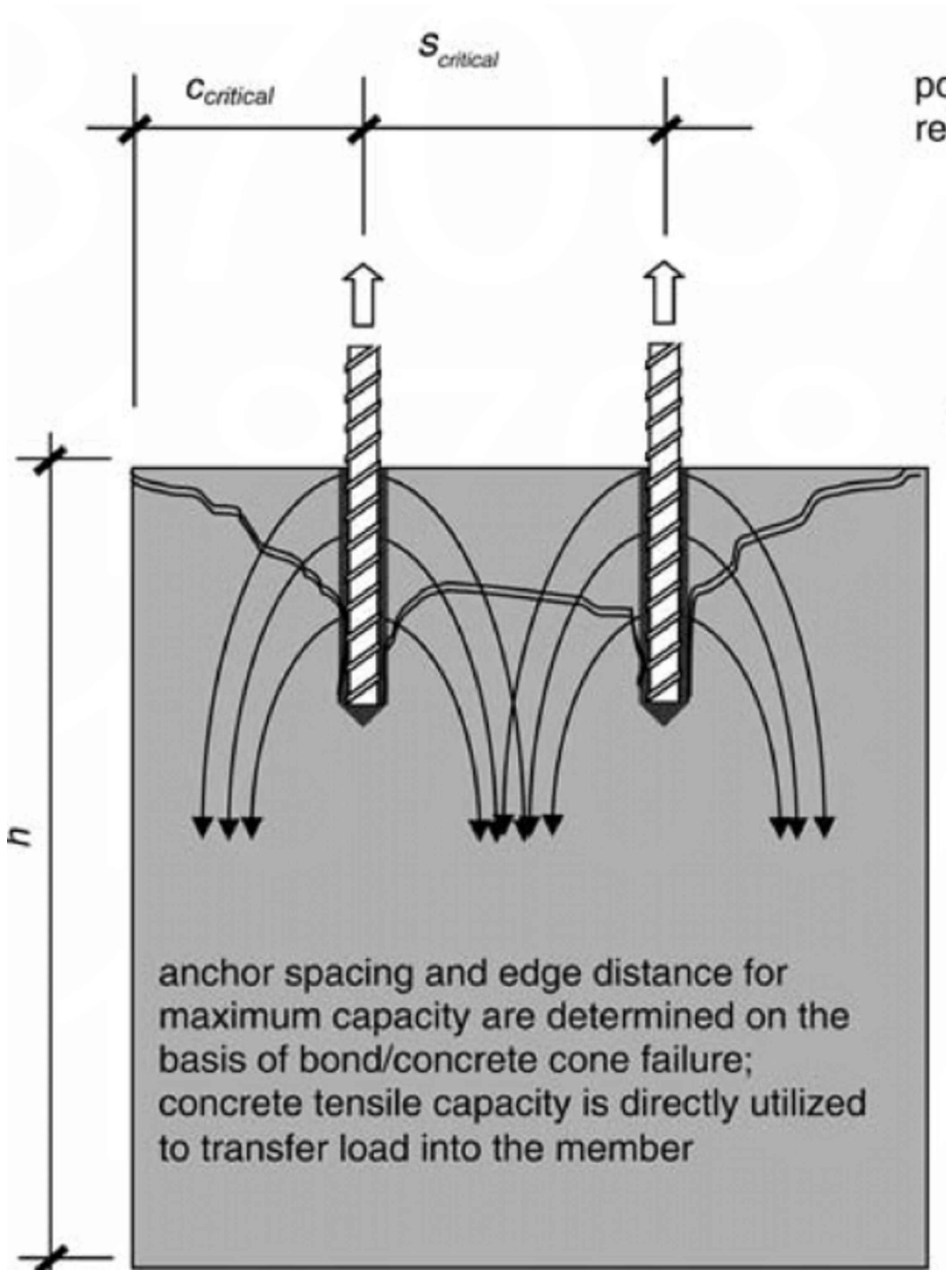


REGLAS BÁSICAS DE LOS ANCLAJES EPÓXICOS

- Diámetro de la perforación: 1/8” mayor que el diámetro del elemento a anclar.
- Longitud de anclaje: mínimo 9 veces el diámetro de la varilla.
- Aseo de la perforación y del elemento a anclar
- Introducir la varilla girando a la vez
- El epóxico debe brotar
- Curado del epóxico
- La falla debe presentarse mínimo a 1.25 fy

Detalle	Contiene	Sistema	Línea	Fecha	Versión
D1	**MODOS DE FALLA DE ANCLAJES**	ANCLAJES EPOXICOS	GROUTS - ANCLAJES EPOXICOS	28/03/20	V_01
Convenciones: **ANCLAJE** **FALLA** ESTRUCTURA EN CONCRETO					Escala: Sin escala

CARGADOS A TRACCIÓN



CARGADOS EN CORTANTE

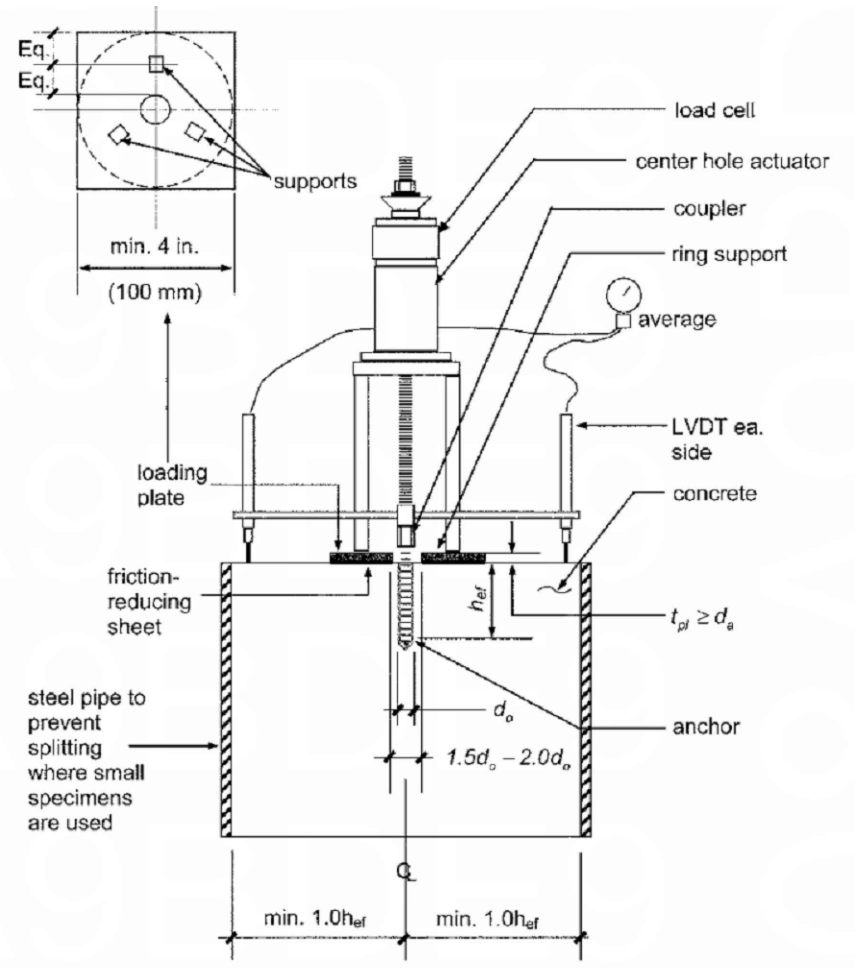


Fig. 4.5—Example of confined tension test setup for adhesive anchors.

BUILDING TRUST

HOJA DE DATOS DEL PRODUCTO

Sika AnchorFix®-3030

ADHESIVO EPÓXICO PARA ANCLAJE DE VARILLAS DE CONSTRUCCIÓN, PERNOS ROSCADOS Y FIJACIONES DE ALTO DESEMPEÑO

DESCRIPCION DEL PRODUCTO

Sika AnchorFix®-3030 es un adhesivo epóxico puro de dos componentes con alta tixotropía, diseñado para anclajes de alto desempeño, ideal para varillas de construcción, pernos roscados, anclas estructurales, para usarse en concreto fisurado y no fisurado, en condiciones húmedo, seco, mojado o saturado.

USOS

Sika AnchorFix®-3030 puede ser usado solamente por profesionales con experiencia.

Sika AnchorFix®-3030 debe ser utilizado por profesionales experimentados.
Como adhesivo para anclajes no expansivos en las siguientes áreas:

Estructural
- En anclajes de varillas / acero de refuerzo para obra nuevas o reforzamiento de estructuras
- Varillas roscadas
- Tornillos y Sujetadores especiales

Carpintería – Herrería
- Pasamos, soportes
- Barandillas
- Cancelería ventana y puertas

Sustratos
- Concreto (Fisurado – No Fisurado)
- Tabique hueco y solido
- Madera
- Piedra natural
- Rocas solidas

CARACTERISTICAS / VENTAJAS

- Amplio tiempo de apertura
- Puede ser utilizado en concreto húmedo
- Alta capacidad de carga
- Aprobación ETA para anclajes en concreto fisurado
- Aprobación ETA para varillas roscadas
- Aprobado para sismo (C1 y C2) - Reporte Europeo.
- Apto para contacto con agua potable
- Resistente al fuego
- Libre de estireno
- Buena adherencia a los sustratos
- Endurecimiento sin contracción
- Bajas emisiones
- Bajo desperdicio

INFORMACION AMBIENTAL

- Conformidad con LEED v2009 IEQc 4.1: Materiales y adhesivos de baja emisión. Reporte No. G23807C_04

CERTIFICADOS / NORMAS

- **ICC-ES Evaluation Report ESR-4778** - Sika AnchorFix-3030 adhesive anchors and post installed reinforcing bar connections for cracked and uncracked concrete.
- **CE Marking and Declaration of Performance to ETAG 001** Part 1 - Anchors in general and Part 5 - Bonded anchors, used as European Assessment Document (EAD)
- **CE Marking and Declaration of Performance to ETA 17/0694 -** Bonded injection type anchor for use in cracked and uncracked concrete
- **Fire Evaluation of Post Installed Rebar Connections CEN EN 1991-1-2,** Sika AnchorFix®-3030, CSTB, Test report MRF 26072904/C

INFORMACION DEL PRODUCTO

Base Química	Epóxico Puro	
Presentación	Cartucho Doble de 585 ml (0.897 kg)	12 cartuchos por caja
Color	Part A	Blanco
	Part B	Gris
	Mezcla A+B	Gris Claro
Conservación	Veinticuatro (24) meses a partir de su fabricación.	
Condiciones de Almacenamiento	**Sika AnchorFix®-3030** debe ser almacenado en su empaque original no dañado sin abrir, en condiciones de temperatura entre 10 °C y 25 °C. Siempre referirse al empaque.	
Densidad	Mezcla A+B	~1.5 kg/l

INFORMACION TECNICA

Resistencia a Compresión	~95 MPa [~950 kg/cm²] (@ 7 días, +20°C)		(**ASTM D 695**)
Resistencia a Flexión	~45 MPa [~450 kg/cm²] (@ 7 días, +20°C)		(**ASTM D 790**)
Resistencia a Tracción	~23 MPa [~230 kg/cm²] (@ 7 días, +20 °C)		(**ASTM D 638**)
Módulo de Elasticidad a Tracción	~5,500 MPa [~55,000 kg/cm²] (@ 7 días, +20 °C)		(**ASTM D 638**)
Temperatura de Servicio	Largo plazo	-40°C mín. / + 50°C máx.	(**ETAG 001, Part 5**)
	Corto plazo (1–2 horas)	+70 °C	

INFORMACION DEL SISTEMA

Estructura del Sistema

Acesorios auxiliares:

- **Sika AnchorFix® Bomba de limpieza** manual [cód. 526430]
- Mangueras de extensión flexibles **Sika AnchorFix®**
- Boquillas mezcladoras **Sika AnchorFix®** [cód. 503650]
- Taquetes perforados/tamizados **Sika AnchorFix®Perforated Sleeves** [cód. 60081] [cód. 530728] [cód. 530729]

*Consultar Hojas técnicas de accesorios para mayor información

INFORMACION DE APLICACIÓN

Proprción de la Mezcla	Parte A : Parte B = 3:1 (por volumen)
Espesor de Capa	~8 mm máx.
Tixotropía	No escurre, inclusive en aplicaciones sobre cabeza
Temperatura del Producto	+10 °C mín. / +40 °C máx.
Temperatura Ambiente	+5 °C mín. / +40 °C máx.
Punto de Rocio	Cuidado con la condensación La temperatura del sustrato durante la aplicación debe estar 3°C arriba del punto de rocío.
Temperatura del Soporte	+5 °C min. / +40 °C max.

Tiempo de Curado

Temperatura	Tiempo abierto - T_{gel}	Tiempo de curado - T_{cur}
+35 °C a +40 °C	6 minutos	2 horas
+30 °C a +35 °C	8 minutos	4 horas
+25 °C a +30 °C	12 minutos	6 horas
+20 °C a +25 °C	18 minutos	8 horas
+15 °C a +20 °C	25 minutos	12 horas
+10 °C a +15 °C	40 minutos	18 horas
+5 °C a +10 °C*	150 minutos	24 horas
+5 °C*	300 minutos	24 horas

* Temperatura mínima del cartucho arriba de 10° C.

NOTAS

Todos los datos técnicos indicados en esta hoja técnica se basan en pruebas de laboratorio. Los datos medidos reales pueden variar debido a circunstancias fuera de nuestro control.

DOCUMENTOS ADICIONALES

- Para información específica de diseño referirse a la Documentación Técnica **Sika AnchorFix®-3030** 870 43 18

LIMITACIONES

- Las propiedades de las rocas naturales o solidas puedes varias en relación a la fuerza, composición y porosidad. Para cada aplicación de **Sika AnchorFix®-3030** deberá realizar pruebas para examinar la fuerza de unión, si existe descoloración o teñido en el área de aplicación; para esto se recomienda aplicar en una parte el producto si no hay problema, continuar con la aplicación en toda el área.

ECOLOGIA, SEGURIDAD E HIGIENE

Para cualquier información referida a cuestiones de seguridad en el uso, manejo, almacenamiento de este producto y disposición de residuos, los usuarios deben consultar la versión más actualizada de la Hoja de Seguridad del producto, que contiene datos físicos, ecológicos, toxicológicos y demás cuestiones relacionadas con la seguridad; copias de las cuales se mandarán a quién las solicite, o a través de la página " www.sika.com.mx".

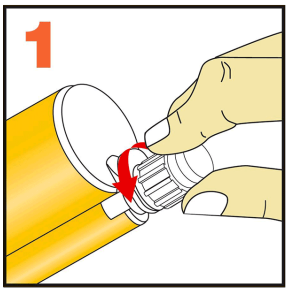
INSTRUCCIONES DE APLICACION

CALIDAD DEL SOPORTE

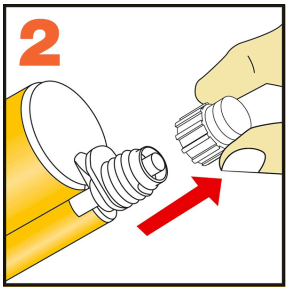
El sustrato de mortero o concreto deben tener la resistencia mínima indicada. La resistencia del sustrato deberá ser verificada.
La superficie en el interior y las paredes de la perforación debe estar completamente limpia, seca y libre de grasa, aceites, curadores, impregnaciones, ceras o cualquier otro contaminante. Polvo y partículas sueltas deben ser removidas de la perforación.
El ancla de estar limpia, libre de grasa, aceite, oxido, polvo o cualquier otro contaminante que ponga en riesgo la adherencia.

MEZCLADO

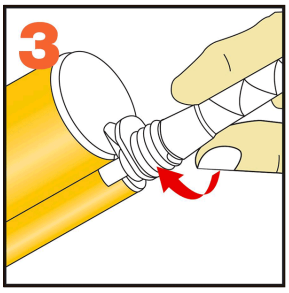
Preparación del cartuho: 585 ml



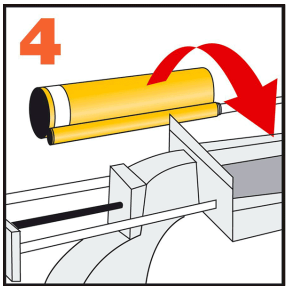
1.Desenrosque la tapa.



2. Quite la tapa.



3. Enroscar la boquilla mezcladora.

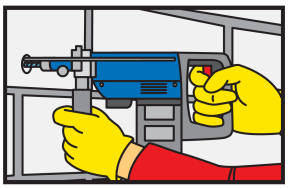


4. Colocar el cartucho en la pistola de aplicación.

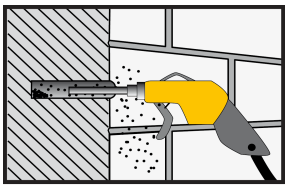
Cuando se interrumpe un trabajo, la boquilla mezcladora puede permanecer en el cartucho un vez que se libere la presión de la pistola de aplicación. Si la resina ha endurecido en la boquilla cuando se reanude el trabajo, una nueva boquilla debe utilizarse.

METODO DE APLICACIÓN / HERRAMIENTAS

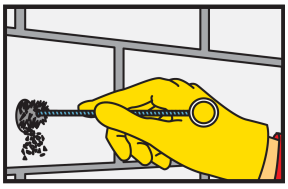
Anclaje en concreto y tabique solido



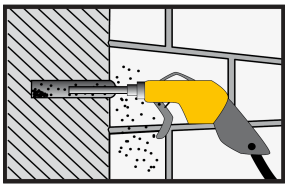
1. Realizar la perforación con el diámetro y profundidad requeridos. El diámetro de la perforación debe ser de acuerdo al diámetro del ancla.



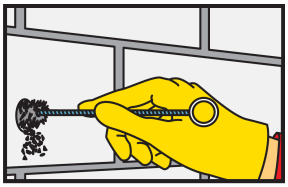
2. La perforación debe limpiarse mediante soplado con aire, ya sea con una bomba manual o un compresor con aire libre de aceites, comenzando desde el fondo de la perforación.



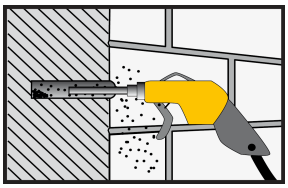
3.Limpiar la perforación con un cepillo redondo metálico o de cerda dura. El diámetro del cepillo debe ser mayor que el diámetro de la perforación.



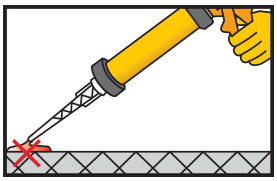
4. Repetir el procedimiento de limpieza con aire.



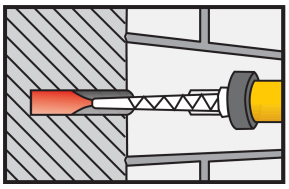
5. Repetir el procedimiento de limpieza con cepillo



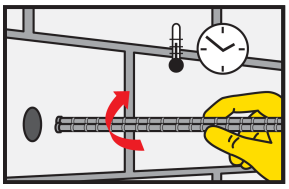
6. Repetir el procedimiento de limpieza y cepillado.



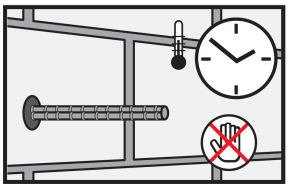
7. Presione el gatillo de la pistola por lo menos dos veces hasta que salga el adhesivo con consistencia y color uniforme. No use el material inicial que no se haya mezclado bien. Liberar la presión de la pistola y limpiar la salida de la boquilla con un trapo.



8. Inyecte el adhesivo desde el fondo de la perforación. Lentamente saque la pistola según se llena la perforación. Evite la formación de burbujas de aire. En caso de ser muy profunda, puede usar una extensión de la boquilla.



9. Inserte el anclaje haciendo un movimiento rotatorio en la perforación. Debe colocar el anclaje durante el tiempo abierto del adhesivo.



10.No mueva el ancla hasta que el tiempo de curado haya pasado.

LIMPIEZA DE HERRAMIENTAS

Limpiar inmediatamente todas las herramientas con **Sika® Limpiador**. El adhesivo una vez que ha endurecido puede retirarse por medios mecánicos.

RESTRICCIONES LOCALES

Tenga en cuenta que, como resultado de las regulaciones locales específicas, los datos declarados y usos recomendados para este producto, pueden variar de un país a otro. Consulte la hoja técnica local del producto para los datos exactos del producto y usos.

NOTAS LEGALES

Esta información y, en particular, las recomendaciones relativas a la aplicación y uso final del producto, están dadas de buena fe, basadas en el conocimiento actual y la experiencia de Sika de los productos cuando son correctamente almacenados, manejados y aplicados, en situaciones normales, dentro de su vida útil y de acuerdo con las recomendaciones de Sika. En la práctica, las posibles diferencias en los materiales, soportes y condiciones reales en el lugar de aplicación son tales, que no se puede deducir de la información del presente documento, ni de cualquier otra recomendación escrita, ni de consejo alguno ofrecido, ninguna garantía en términos de comercialización o idoneidad para propósitos particulares, ni obligación alguna fuera de cualquier relación legal que pudiera existir. El usuario debe ensayar la conveniencia de los productos para la aplicación y la finalidad deseadas. Sika se reserva el derecho de modificar las propiedades de sus productos. Se reservan los derechos de propiedad de terceras partes. Los pedidos son aceptados en conformidad con los términos de nuestras vigentes Condiciones Generales de Venta y Suministro. Los usuarios deben conocer y utilizar la versión última y actualizada de las Hojas de Datos de Productos, copias de las cuales se mandarán a quién las solicite, o a través de la página " www.sika.com.mx".

Sika Mexicana S.A. de C.V.
Carretera Libre a Celaya Km. 8.5
Fraccionamiento Industrial Balvanera
76920 Corregidora, Queretaro
México
800 123-7452

PRESUPUESTO

Consideraciones:

- Este ítem hace parte integral del proyecto.
- Esta basado en el mercado actual.
- Se obtuvo por empresas de trayectoria en el mercado.

Como diseñadores de la consultoría del contrato No. CON26-013 DE 2025, que tiene por objeto:

CONTRATAR EN NOMBRE DE LA NACIÓN - CONSEJO SUPERIOR DE LA JUDICATURA - DIRECCIÓN SECCIONAL DE ADMINISTRACIÓN JUDICIAL DE IBAGUÉ, LA CONSULTORÍA PARA LA ELABORACIÓN DE LOS DISEÑOS Y PRESUPUESTO REQUERIDO PARA LA IMPLEMENTACIÓN DE UN SISTEMA DE ALMACENAMIENTO DE ARCHIVO TIPO MEZZANINE METÁLICO AUTOPORTABLE.

Debemos realizar un estudio de mercado concienzudo por especialidad, con empresas del sector que se dediquen a todas y cada una de las especialidades intrínsecos en la presente consultoría, para poder desarrollar un presupuesto objetivo y veraz.

Para cada una de las especialidades, luego de desarrollar el diseño estructural se procedió a solicitar y entregar los elementos que las empresas requerían para realizar las cotizaciones.

Para la especialidad de estantería estructural se procedió a cotizar con tres empresas:

1. Metálicas Orduz
2. Inearco SAS
3. Solar + BIM y construcción sas

Nota 1: se adjuntan cotizaciones.

Para la especialidad de electricidad se procedió a cotizar con tres empresas:

1. Solar + BIM y construcción sas
2. Synergy B&O SAS
3. M&C SAS

Nota 2: se adjuntan cotizaciones.

Para la especialidad HVAC se procedió a cotizar con cinco empresas:

4. AFR
5. Synergy B&O SAS
6. M&C SAS

Nota 3: se adjuntan cotizaciones.

Para la especialidad RCI se procedió a cotizar con tres empresas:

1. M&C SAS
2. Solar + BIM y construcción sas
3. Synergy B&O SAS

Nota 4: se adjuntan cotizaciones.

De esta manera se adquirió el presupuesto para la consultoría contratada por la entidad.

Nota 5: las cotizaciones se adquirieron a nombre del consultor: GLORIA ELIZABETH OSORIO BENAVIDES.

MADE MUEBLES

CONTRATAR EN NOMBRE DE LA NACIÓN - CONSEJO SUPERIOR DE LA JUDICATURA - DIRECCIÓN SECCIONAL DE ADMINISTRACIÓN JUDICIAL DE IBAGUÉ, LA CONSULTORÍA PARA LA ELABORACIÓN DE LOS DISEÑOS Y PRESUPUESTO REQUERIDO PARA LA IMPLEMENTACIÓN DE UN SISTEMA DE ALMACENAMIENTO DE ARCHIVO TIPO MEZZANINE METÁLICO AUTOPORTABLE.

1	ESTRUCTURA - SISTEMA DE ALMACENAMIENTO	Un	CANTIDAD	PRECIO UNITARIO	TOTAL
1.1	ESTRUCTURA AUTOPORTANTE: ESTANTERÍA :MARCOS DE ESTANTERÍA PESADA DE 8,10 MTS X 80 CM (SEGÚN PLANOS). VIGAS, PISOS EN LAMINA GALVANIZADA CALIBRE 14, BARANDA, CHAPETAS.CHAZOS.TORNILLERIA.INSTALACIÓN.TRANSPORTE				$ 2,116,654,360.96
1,1.1	SUMINISTRO DE ANCLAJES EN PLACA DE CONCRETO. INCLUYE PERFORACIONES DE LAS PLACA.	Und	240	$ 149,526.00	$ 35,886,240.07
1,1.1	SUMINISTRO E INSTALACION DE ESTRUCTURA METALICA PARA CUARTO TECNICO INCLUYE ENVOLVENTE PUERTA Y ESCALERA	Und	1	$ 27,553,579.28	$ 27,553,579.28
1,1.3	SUMINISTRO E INSTALACION DESEÑALIZACION Y SEÑALETICA	Ml	47.7	$ 161,570.34	$ 7,706,905.41
1,1.4	SUMINISTO E INSTALACION DE VIGAS FABRICADAS EN LÁMINA COLD ROLLED CALIBRE 14	Unid	3240	$ 172,280.17	$ 558,187,762.83
1,1.5	SUMINISTO E INSTALACION DE PISOS FABRICADOS EN LÁMINA GALVANIZADA CALIBRE 14	Unid	1820	$ 67,084.16	$ 122,093,176.90
1,1.6	SUMINISTO E INSTALACION DE MARCOS FABRICADOS EN LÁMINA HR 2MM	Unid	240	$ 3,290,231.43	$ 789,655,544.23
1,1.7	SUMINISTO E INSTALACION DE ESCALERAS PISO 1 A PISO 2 Y PISO 2 A PISO 3 FABRICADAS EN TUBERIA ESTRUCTURAL Y PISO TIPO MALLA DE 1/8	Unid	2	$ 16,451,157.17	$ 32,902,314.34
1,1.8	SUMINISTO E INSTALACION DE TENDIDOS (CADA TENDIDO ESTÁ CONFORMADO POR 8 ENTREPAÑOS FABRICADOS EN LÁMINA CALIBRE 20)	Unid	1620	$ 329,023.14	$ 533,017,492.36
1,1.9	SUMINISTO E INSTALACION DESOPORTES DE PISO FABRICADOS EN LAMINA HR DE 6MM	Unid	240	$ 40,213.94	$ 9,651,345.54
1.2	EQUIPOS			0	$ 167,850,000.00
1,2.1	SUMINISTRO E INSTALACIÓN DE MESA TRANSPORTADORA CON SISTEMA LEVANTABLE HIDRAULICO. CAPACIDAD DE CARGA DE 500KG A UNA ALTURA MAXIMA DE 1.67M DE ALTURA. VER ANEXO TECNICO	Und	6	$ 13,500,000.00	$ 81,000,000.00
1,2.2	SUMINISTRO E INSTALACION DE ELEVADOR DE CARGA VERTICAL TIPO MANLIFT DE TIJERA MÚLTIPLE, PARA TRABAJOS EN ALTURA CON ALCANCE DE 5.0M. CAPACIDAD 200KG. POSICIONAMIENTO MANUAL, RUEDAS GIRATORIAS, CONRODAMIENTOS Y BLOQUEO	Und	1	$ 86,850,000.00	$ 86,850,000.00
1	SUBTOTAL ESTRUCTURA DE ALMACENAIENTO				$ 2,284,504,360.96

		MES 1				MES 2				MES 3				MES 4			
CONTRATAR EN NOMBRE DE LA NACIÓN - CONSEJO SUPERIOR DE LA JUDICATURA - DIRECCIÓN SECCIONAL DE ADMINISTRACIÓN JUDICIAL DE IBAGUÉ, LA CONSULTORÍA PARA LA ELABORACIÓN DE LOS DISEÑOS Y PRESUPUESTO REQUERIDO PARA LA IMPLEMENTACIÓN DE UN SISTEMA DE ALMACENAMIENTO DE ARCHIVO TIPO MEZZANINE METÁLICO AUTOPORTABLE.		MADE MUEBLES															
		SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	SEM 7	SEM 8	SEM 9	SEM 10	SEM 11	SEM 12	SEM 13	SEM 14	SEM 15	SEM 16
	Duración																
BODEGA DE ALAMACENAMIENRO	**120**																
PRELIMINARES Y SUMINISTROS	**44 días**																
CONTRATO	0 días																
Contratacion Sistema de Estanteria	**35 días**																
Adjudicacion	2 días																
Legalización	5 días																
Producción en taller	20 días																
Transporte	8 días																
SISTEMA DE ALAMACENAMIENTO	**69 días**																
ESTRUCTURA SISTEMA DE ALMACENAMIENTO	**39 días**																
Soportes de piso	3 días																
Parales y marcos prefabricados	3 días																
Vigas prefabricadas	8 días																
Pisos prefabricados	5 días																
Escaleras piso 1 a piso 2 y piso 2 a piso 3 fabricadas	4 días																
Tendido de entrepaños	6 días																
Manlif	4 días																
Mesas niveladoras	2 días																
FIN	0 días																

PROGRAMACIÓN DE ESTANTERIA

RECOMENDACIONES

Recomendaciones generales para el suministro del sistema de almacenamiento:

1. Se sugiere que para el momento del suministro e instalación de todos y cada uno de los elementos que se pretenden comprar e instalar, el sitio debe encontrarse en perfectas condiciones:

- No deben existir goteras, filtraciones de agua, la cubierta debe estar completamente sellada
- No deben existir muros que eviten el suministro total, de la estantería de acuerdo a lo establecido en los planos entregados por el diseñador.
- No debe existir ningún tipo elementos (mobiliario, estantes, cajas, etc) en el momento en que se empiece a instalar el sistema de almacenamiento, de acuerdo propuesta entregada por el diseñador.

Recomendaciones Eléctricas:

1. Se debe garantizar que los tableros eléctricos y de control se encuentren a la entrada de la bodega, para el correcto del sistema de almacenamiento.
2. Se sugiere que en el momento del suministro eléctrico se cuente con el personal idóneo para la instalación, supervisión y gestión de esta especialidad.

Recomendaciones HVAC:

1. Se debe garantizar un ambiente libre de humedad, infiltraciones y/o plagas que puedan afectar el perfecto funcionamiento de los equipos y ductos a suministrar.
2. Se sugiere que en el momento del suministro de los equipos HVAC y envolvente se cuente con el personal idóneo para la instalación, supervisión y gestión de esta especialidad.

Recomendaciones RCI:

1. Se debe garantizar un ambiente libre de humedad, infiltraciones y/o plagas que puedan afectar el perfecto funcionamiento de los sensores fotoeléctricos
2. Se sugiere que en el momento del suministro del sistema detección y alarmas de incendio, se cuente con el personal idóneo para la instalación, supervisión y gestión de esta especialidad.

MEMORIAL DE RESPONSABILIDAD

Bogotá D.C., 23 de abril de 2025
Señores
Rama judicial
Dirección Seccional de Administración Judicial de Ibagué

Yo, TEOFILO HUMBERTO RAMIREZ MONTEJO, identificado con cédula de ciudadanía No.7.171.694 y Matrícula Profesional No. 25202118050CNO debidamente inscrito en el Consejo Profesional Nacional de ingenieria - COPNIA, en calidad de Ingeniero responsable a cargo del DISEÑO ESTRUCTURAL DE ESTANTERIA AUTOPORTANTE para el contrato:

CONTRATAR EN NOMBRE DE LA NACIÓN - CONSEJO SUPERIOR DE LA JUDICATURA - DIRECCIÓN SECCIONAL DE ADMINISTRACIÓN JUDICIAL DE IBAGUÉ, LA CONSULTORÍA PARA LA ELABORACIÓN DE LOS DISEÑOS Y PRESUPUESTO REQUERIDO PARA LA IMPLEMENTACIÓN DE UN SISTEMA DE ALMACENAMIENTO DE ARCHIVO TIPO MEZZANINE METÁLICO AUTOPORTABLE.

Certifico que dicha instalación no genera impacto sobre los elementos no estructurales de expresados en la NSR-10 Reglamento Colombiano de Construcción Sismo Resistente, en consecuencia, asumo toda responsabilidad y los perjuicios que puedan derivarse por la construcción del sistema de almacenamiento tipo mezanine metálico autoportable ya mencionado, exonerando al Dirección Seccional de Administración Judicial de Ibagué y a la ciudad de Ibagué, de toda responsabilidad.

Firma: _____
Documento de Identidad: CC 7.171.694
Matrícula Profesional: 25202118050CNO
Profesión: Ingeniero estructural
Dirección: TV 60C #93A-45
Teléfono: 311 811 7198

Anexos:
Copia de documento de identidad
Copia de Matrícula Profesional
Copia de Certificado COPNIA vigente

REPUBLICA DE COLOMBIA

CONSEJO PROFESIONAL NACIONAL DE INGENIERIA

COPNIA



MATRICULA PROFESIONAL No.

25202118050CND

INGENIERO CIVIL

DE FECHA **21/04/2005**

TEOFILO HUMBERTO
RAMIREZ MONTEJO
C.C. 7171694
UNIVERSIDAD LA GRAN COLOMBIA

PRESIDENTE DEL CONSEJO

MAS GREG & SONS

02/2005-27469

Este es un documento público expedido en virtud de la Ley 842 de 2003, que autoriza a su titular para ejercer como Ingeniero en todo el Territorio Nacional.

En caso de extravío debe ser remitido al COPNIA

Cra. 7 No. 64 - 19 Tel. 2498911 Bogotá D. C.

REPÚBLICA DE COLOMBIA
COPNIA
Consejo Profesional Nacional de Ingeniería
COPNIACOPNIACOPNIACO

SOLAR + BIM Y CONSTRUCCION

NIT 901217582-6
Domicilio Fiscal
Carrera 17 #63-43
Bogotá, Colombia.

Cotización N° **0121-151-01**

PROYECTOS CON METODOLOGIAS BIM

Información del cliente

Bogotá, 11 de abril de 2025

Cliente: GLORIA ELIZABETH OSORIO
Contacto: 3186595695

NIT: 519378781-6
Proyecto: **SUMINISTRO E INSTALACION DE ESTANTERIA AUTOPORTANTE**

Dirección de Facturación: TV 60 C No 93 a n 45 Bogota

Ubicación: Bogota

PRODUCTOS Y SERVICIOS

De acuerdo a su amable solicitud nos permitimos presentar la siguiente oferta técnico - económica

IT	REFERENCIA	DESCRIPCIÓN	MARCA	UNIDAD	CANTIDAD	VR UNITARIO	VR TOTAL
1		**SUMINISTRO E INSTALACION ESTANTERIA TIPO MEZANINE AUTOPORTANTE EN LA CIUDAD DE IBAGUE**					
		ESTRUCTURA MEZANINE					
1,1		Suministro De Anclajes En Placa De Concreto. Incluye Perforaciones De Las Placa.	Solar Bim	UND	240	264661,0205	$ 63.518.645
1,2		Suministro E Instalacion De Estructura Metalica Para Cuarto Tecnico Incluye Envolvente Puerta Y Escalera	Solar Bim	UND	1	48769835,33	$ 48.769.835
1,3		Suministro E Instalacion Deseñalizacion Y Señaletica	Solar Bim	UND	47,7	285979,5089	$ 13.641.223
1,4		Vigas fabricadas en lámina Cold Rolled calibre 14	Solar Bim	UND	3240	$ 166.823	$ 540.504.900
1,5		Pisos fabricados en lámina galvanizada calibre 14	Solar Bim	UND	1820	$ 64.959	$ 118.225.380
1,6		Marcos fabricados en lámina HR 2mm	Solar Bim	UND	240	$ 3.186.000	$ 764.640.000
1,7		Escaleras piso 1 a piso 2 y piso 2 a piso 3 fabricadas en tubería estructural y piso tipo malla de 1/8	Solar Bim	UND	2	$ 15.930.000	$ 31.860.000
1,8		Tendidos (Cada tendido está conformado por 8 entrepaños fabricados en lámina calibre 20)	Solar Bim	UND	1620	$ 318.600	$ 516.132.000
1,9		Soportes de piso fabricados en lamina HR de 6mm	Solar Bim	UND	240	$ 38.940	$ 9.345.600
		EQUIPOS					
1,10		Mesa transportadora con sistema levantable hidraulico. Capacidad de carga de 500Kg a una altura maxima de 1.67m de altura. Ver anexo tecnico	N/A	UND	6	$ 15.930.000	$ 95.580.000
1,11		ELEVADOR DE CARGA VERTICAL TIPO MANLIFT DE TIJERA MÚLTIPLE, PARA TRABAJOS EN ALTURA CON ALCANCE DE 5.0M. CAPACIDAD 200KG. Posicionamiento manual, ruedas giratorias, conrodamientos y bloqueo	N/A	UND	1	$ 100.890.000	$ 100.890.000
		SUBTOTAL SUMINISTRO E INSTALACION ESTANTERIA TIPO MEZANINE AUTOPORTANTE + EQUIPOS					**$ 2.303.107.583**
					IVA	**19%**	**$ 437.590.441**
		TOTAL SUMINISTRO E INSTALACION ESTANTERIA TIPO MEZANINE AUTOPORTANTE + EQUIPOS					**$ 2.740.698.024**

Observaciones:

Esta propuesta NO incluye materiales, instalación o entrega de consumibles u otros materiales diferentes a los estrictamente relacionados en la misma. En esta propuesta se considera la reutilización de todos aquellos elementos que técnicamente cumplan y puedan ser implementados nuevamente.

SOLAR + BIM Y CONSTRUCCION

NIT 901217582-6
Domicilio Fiscal
Carrera 17 #63-43
Bogotá, Colombia.

Cotización N° **0121-151-01**

PROYECTOS CON METODOLOGIAS BIM

PROMESA DE VALOR

Nuestra oferta contempla los servicios descritos anteriormente

ALCANCE:
Servicios ofertados según las especificaciones técnicas obtenidas

GARANTIAS:
I. De buen manejo y correcta inversión del anticipo:
Por un monto porcentual del valor de la orden de compra, con una vigencia no inferior al plazo de entrega de los bienes o servicios.
II. Cumplimento de la orden de compra:
Por un monto porcentual del valor de la orden de compra, con una vigencia no inferior al plazo de entrega de los bienes o servicios.
III. Pago de salarios y prestaciones sociales:
Por un monto porcentual del valor de la orden de compra, con una vigencia no inferior al plazo de entrega de los bienes o servicios.
IV. Responsabilidad Civil Extracontractual:
Por un monto porcentual del valor de la orden de compra, con una vigencia no inferior al plazo de entrega de los bienes o servicios.
V. Calidad de los bienes y/o equipos suministrados:
Por un monto porcentual del valor de la orden de compra, con una vigencia no inferior al plazo de entrega de los bienes o servicios

SERVICIO POST VENTA:
Nuestra Compañía Ofrece Asistencia Técnica Especializada

TIEMPO DE ENTREGA:

TRES MESES

NOTAS COMERCIALES

Precios:	Valores dados en pesos
Forma de pago:	De acuerdo a lo establecido en la negociación de adjudicación
Cuenta Bancaria	Cuenta de ahorros 045-000424-81 Bancolombia
Validez de la oferta:	30 Días

Atentos a mejorar su experiencia

Gerencia de Proyectos
proyectos@solarbyc.com
Cel. 3153858647

IVA RÉGIMEN COMÚN
ICA Actividad Económica 3110
Tarifa 11,04 x 1000
No somos grandes contribuyentes
ni autorretenedores
Carlos Andres González Ordúz
NIT: 80.124.902-2

www.metalicasorduz.com

WhatsApp 3002027134 - METALICASORDUZYESTRUCTURAS@GMAIL.COM

COTIZACION 286

CLIENTE	**GLORIA ELIZABETH OSORIO BENAVIDES**
NIT	51937871-6
DIRECCION	TV 60 C 93A 45
TELEFONO	3186595695
ASESOR	**CARLOS ANDRES GONZALEZ ORDUZ**
TELEFONO - WHATSAPP	3002027134
E-MAIL	metalicasorduzyestructuras@gmail.com

FECHA

14/04/2025
TIEMPO DE ENTREGA
90 Días

ÍTEM	DESCRIPCION	CANT	valor unitario sin iva	valor total sin iva
1	Suministro De Anclajes En Placa De Concreto. Incluye Perforaciones De Las Placa.	240		
2	Suministro E Instalacion De Estructura Metalica Para Cuarto Tecnico Incluye Envolvente Puerta Y Escalera	1		
3	Suministro E Instalacion Deseñalizacion Y Señaletica	47,7		
4	Vigas fabricadas en lámina Cold Rolled calibre 14	3.240		
5	Pisos fabricados en lámina galvanizada calibre 14	1.820		
6	Marcos fabricados en lámina HR 2mm	240		
7	Escaleras piso 1 a piso 2 y piso 2 a piso 3 fabricadas en tubería estructural y piso tipo malla de 1/8	2	$ 2.212.024.232	$ 2.212.024.232
8	Tendidos (Cada tendido está conformado por 8 entrepaños fabricados en lámina calibre	1.620		
9	Soportes de piso fabricados en lamina HR de 6mm	240		
11	Mesa transportadora con sistema levantable hidraulico. Capacidad de carga de 500Kg a una altura maxima de 1.67m de altura. Ver anexo tecnico	6		
12	ELEVADOR DE CARGA VERTICAL TIPO MANLIFT DE TIJERA MÚLTIPLE, PARA TRABAJOS EN ALTURA CON ALCANCE DE 5.0M. CAPACIDAD 200KG. Posicionamiento manual, ruedas giratorias, conrodamientos y bloqueo	1		
			SUB TOTAL	$ 2.212.024.232
			IVA 19%	$ 420.284.604
			RETEFUENTE 2,5%	
			RETEICA 11,04	
			VALOR TOTAL	$ 2.632.308.836

CARLOS ANDRES GONZALEZ ORDUZ
C.C. 80.124.902 DE BOGOTA DC
CORREO ELECTRONICO :metalicasorduzyestructuras@gmail.com
CEL: 3002027134
DIRECCION : Carrera 18 bis #60g sur -73

Bogotá D.C., 14 de abril de 2025

Respetados Señores:

GLORIA ELIZABETH OSORIO Y/O MADEMUEBLES DE COLOMBIA
ATENCION: GLORIA ELIZABETH

Asunto: Cotización

Agradecemos el interés por nuestros productos y a continuación presentamos a su consideración la siguiente propuesta.

Estantería Ibagué incluye: Marcos de estantería pesada de 8,10 mts x 80 cm (según planos) Vigas, Pisos en lámina galvanizada calibre 14, Baranda, Chapetas, Chazos, Tornillería, Instalación, Transporte.

ÍTEM	DESCRIPCION	CANT	VR UNIT	VR SUB TOTAL
1	Suministro De Anclajes En Placa De Concreto. Incluye Perforaciones De Las Placa.	240	$ 267.652	$ 64.236.370
2	Suministro E Instalacion De Estructura Metalica Para Cuarto Tecnico Incluye Envolvente Puerta Y Escalera	1	$ 49.320.907	$ 49.320.907
3	Suministro E Instalacion Deseñalizacion Y Señaletica	47,7	$ 289.211	$ 13.795.361
4	Vigas fabricadas en lámina Cold Rolled calibre 14	3.240	$ 168.708	$ 546.612.300
5	Pisos fabricados en lámina galvanizada calibre 14	1.820	$ 65.693	$ 119.561.260
6	Marcos fabricados en lámina HR 2mm	240	$ 3.222.000	$ 773.280.000
7	Escaleras piso 1 a piso 2 y piso 2 a piso 3 fabricadas en tubería estructural y piso tipo malla de 1/8	2	$ 16.110.000	$ 32.220.000
8	Tendidos (Cada tendido está conformado por 8 entrepaños fabricados en lámina calibre 20)	1.620	$ 322.200	$ 521.964.000
9	Soportes de piso fabricados en lamina HR de 6mm	240	$ 39.380	$ 9.451.200
11	Mesa transportadora con sistema levantable hidraulico. Capacidad de carga de 500Kg a una altura maxima de 1.67m de altura. Ver anexo tecnico	6	$ 16.110.000	$ 96.660.000
12	ELEVADOR DE CARGA VERTICAL TIPO MANLIFT DE TIJERA MÚLTIPLE, PARA TRABAJOS EN ALTURA CON ALCANCE DE 5.0M. CAPACIDAD 200KG. Posicionamiento manual, ruedas giratorias, conrodamientos y bloqueo	1	$ 102.030.000	$ 102.030.000
			SUB TOTAL	**$ 2.329.131.397**
			IVA	**$ 442.534.965**
			TOTAL	**$ 2.771.666.363**

gerencia@inearco.com / kordonez@inearco.com Cel 3202858313 Tel (571)3785601
Transversal 60 N°106a 28 oficina 302
https://ycard.co/inearco

CONDICIONES COMERCIALES

La presente cotización no incluye

Estudio de suelos
Calculo estructural
Personal profesional

Vigencia de la oferta: 60 días calendario.
Garantía :1 año por defectos de fabricación en condiciones normales de uso.
Forma de pago: a convenir
Tiempo de fabricación y entrega: 90 días calendario

Agradecemos haber contado con nosotros.

Cordialmente,

KATHERINE ORDOÑEZ LADINO
REPRESENTANTE LEGAL
INEARCO SAS
NIT 901035857-4