ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

DATOS DE ENTRADA Y COMBINACIONES DE CARGA

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

DATOS GENERALES DE LA ESTRUCTURA

Proyecto: CIMENTACION CUBIERTA MELGAR

Archivo: CIMENTACION CUBIERTA MELGAR

ACCIONES CONSIDERADAS

Gravitatorias

Planta	Sobrecarga de uso		Cargas permanentes (t/m²)
	Categoría	Valor (t/m²)	
NIVEL +1.00	1	0.18	0.33
CIMENTACION-1.00	1	0.18	0.33

Viento

Se ha tenido en cuenta la acción del viento mediante cargas aplicadas en las siguientes hipótesis: 'V 1' y 'V 2'.

Hipótesis de carga

Automáticas	Peso propio Cargas permanentes Sobrecarga (Uso 1) Sobrecarga (Uso 3) Sismo X Sismo Y	
Adicionales	Referencia	Naturaleza
	CM 1	Peso propio
	Q 1 (3)	Sobrecarga (Uso 3)
	V 1	Viento
	V 2	Viento

Listado de cargas

Cargas especiales introducidas (en t, t/m y t/m²)

Grupo	Hipótesis	Tipo	Valor	Coordenadas
CIMENTACION-1.00	Cargas permanentes	Lineal	0.41	(-1.40,16.56) (1.81,16.53)
	Cargas permanentes	Lineal	0.41	(-1.25,10.99) (1.58,11.03)
	Cargas permanentes	Lineal	0.41	(-1.37,5.55) (1.70,5.65)
	Cargas permanentes	Lineal	0.41	(-1.06,0.13) (1.75,-0.01)
	Cargas permanentes	Lineal	0.41	(55.38,0.02) (58.13,0.07)
	Cargas permanentes	Lineal	0.41	(55.08,5.55) (58.05,5.49)
	Cargas permanentes	Lineal	0.41	(55.10,11.14) (58.08,11.16)
	Cargas permanentes	Lineal	0.41	(55.12,16.74) (58.09,16.41)
	Cargas permanentes	Lineal	0.41	(0.27,1.21) (0.28,-1.09)
	Cargas permanentes	Lineal	0.41	(0.19,6.70) (0.17,4.56)
	Cargas permanentes	Lineal	0.41	(0.30,12.15) (0.30,9.83)
	Cargas permanentes	Lineal	0.41	(0.24,17.62) (0.28,15.40)
	Cargas permanentes	Lineal	0.41	(56.36,17.66) (56.40,15.48)
	Cargas permanentes	Lineal	0.41	(56.45,12.08) (56.45,10.01)
	Cargas permanentes	Lineal	0.41	(56.49,6.57) (56.50,4.39)
	Cargas permanentes	Lineal	0.41	(56.47,1.06) (56.49,-1.17)

ATOS GEOMÉTRICOS DE GRUPOS Y PLANTAS

Grupo	Nombre del grupo	Planta	Nombre planta	Altura	Cota
1	NIVEL +1.00	1	NIVEL +1.00	2.00	1.00
0	CIMENTACION-1.00				-1.00

DATOS GEOMÉTRICOS DE COLUMNAS, TABIQUES Y MUROS

Columnas

GI: grupo inicial

GF: grupo final

Ang: ángulo de la columna en grados sexagesimales

Datos de las columnas

Referencia	Coord(P.Fijo)	GI- GF	Vinculación exterior	Ang.	Punto fijo	Altura de apoyo
A1	(-0.32, -0.32)	0-1	Con vinculación exterior	0.0	Esq. inf. izq.	0.65
A2	(-0.32, 5.18)	0-1	Con vinculación exterior	0.0	Esq. inf. izq.	0.65
A3	(-0.32, 10.68)	0-1	Con vinculación exterior	0.0	Esq. inf. izq.	0.65
A4	(-0.32, 16.18)	0-1	Con vinculación exterior	0.0	Esq. inf. izq.	0.65
B1	(55.93, -0.32)	0-1	Con vinculación exterior	0.0	Esq. inf. izq.	0.65
B2	(55.93, 5.18)	0-1	Con vinculación exterior	0.0	Esq. inf. izq.	0.65
B3	(55.93, 10.68)	0-1	Con vinculación exterior	0.0	Esq. inf. izq.	0.65
B4	(55.93, 16.18)	0-1	Con vinculación exterior	0.0	Esq. inf. izq.	0.65

DIMENSIONES, COEFICIENTES DE EMPOTRAMIENTO Y COEFICIENTES DE PANDEO PARA CADA PLANTA

Para todos las columnas						
Planta	Dimensiones (cm)	Coeficiente de empotramiento		Coeficiente de pandeo		Coeficiente de rigidez axil
		Cabeza	Pie	X	Y	
1	120x65	0.30	1.00	1.00	1.00	2.00

LOSAS Y ELEMENTOS DE FUNDACIÓN

Zapatas

-Tensión admisible en situaciones persistentes: 1.56 kp/cm²

-Tensión admisible en situaciones accidentales: 2.08 kp/cm²

MATERIALES UTILIZADOS

Hormigones

Elemento	Hormigón	f'_c (kp/cm²)	Árido		E_c (kp/cm²)
			Naturaleza	Tamaño máximo (mm)	
Todos	f'c=280	280	Origen metamórfico	15	253675

Aceros por elemento y posición

Aceros en barras

Elemento	Acero	f_{yk} (kp/cm²)	γ_s
Todos	Grado 60 (Latinoamérica)	4200	1.00

Aceros en perfiles

Tipo de acero para perfiles	Acero	Límite elástico (kp/cm²)	Módulo de elasticidad (kp/cm²)
Acero conformado	ASTM A 572 50 ksi	3517	2069317
Acero laminado	ASTM A 572 50 ksi	3517	2038736

ESTRUTURA METALICA

Normas consideradas

Acero conformado: AISI S100-2016 (LRFD)

Categoría de uso: Cubiertas

Estados límite

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

1.1.1. Situaciones de proyecto

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

- Situaciones persistentes o transitorias
- Situaciones sísmicas

- 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 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G) Sobrecarga (Q) Viento (Q)	1.400	1.400

2.3.2 - [2 Lr] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G) Sobrecarga (Q) Viento (Q)	1.200 0.000	1.200 0.500

2.3.2 - [2 S] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G) Sobrecarga (Q) Viento (Q)	1.200	1.200

2.3.2 - [3 Lr, L] (ASCE/SEI 7-05)	
	Coeficientes parciales de seguridad (γ)

	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)		

2.3.2 - [3 S, L] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)		

2.3.2 - [3 Lr, W] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)	0.000	0.800

2.3.2 - [3 S, W] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)	0.000	0.800

2.3.2 - [4 Lr] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)	1.600	1.600

2.3.2 - [4 S] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)	1.600	1.600

2.3.2 - [5] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (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.

2.3.2 - [6] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Viento (Q)	0.000	1.600

2.3.2 - [7] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Viento (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)		
Viento (Q)		

(C.9-2 Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

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

(C.9-3 Lr, L)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)		

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

(C.9-3 Lr, W)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)	0.000	0.500

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

(C.9-4 Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)	1.000	1.000

(C.9-4 S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)	1.000	1.000

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

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

ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

COMPROBACIÓN DE ELEMENTOS COLUMNAS

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

1. MATERIALES

1.1. Hormigones

Elemento	Hormigón	f'_c (MPa)	Árido		E_c (MPa)
			Naturaleza	Tamaño máximo (mm)	
Todos	f'c=280	27	Origen metamórfico	15	24886

1.2. Aceros por elemento y posición

1.2.1. Aceros en barras

Elemento	Acero	f_{yk} (MPa)	γ_s
Todos	Grado 60 (Latinoamérica)	412	1.00

1.2.2. Aceros en perfiles

Tipo de acero para perfiles	Acero	Límite elástico (MPa)	Módulo de elasticidad (GPa)
Acero conformado	ASTM A 572 50 ksi	345	203
Acero laminado	ASTM A 572 50 ksi	345	200

2. ARMADO DE COLUMNAS Y TABIQUES

2.1. Columnas

Armado de pilares											
Hormigón: f'c=280											
Columna	Geometría			Armaduras						Aprov. (%)	Estado
				Barras				Estribos			
	Planta	Dimensiones (cm)	Tramo (m)	Esquina	Cara X	Cara Y	Cuantía (%)	Descripción[1]	Separación (cm)		
A1	NIVEL +1.00	120x65	-1.00/1.00				1.00	6eØ3/8"	8	77.7	Cumple
	CIMENTACION-1.00	-	-	4Ø3/4"	26Ø5/8"	12Ø1/2"	1.00	6eØ3/8"	15	33.9	Cumple
A2	NIVEL +1.00	120x65	-1.00/1.00				1.00	6eØ3/8"	8	76.5	Cumple
	CIMENTACION-1.00	-	-	4Ø3/4"	26Ø5/8"	12Ø1/2"	1.00	6eØ3/8"	15	31.1	Cumple
A3	NIVEL +1.00	120x65	-1.00/1.00				1.00	6eØ3/8"	8	75.7	Cumple
	CIMENTACION-1.00	-	-	4Ø3/4"	26Ø5/8"	12Ø1/2"	1.00	6eØ3/8"	15	30.5	Cumple
A4	NIVEL +1.00	120x65	-1.00/1.00				1.00	6eØ3/8"	8	78.6	Cumple
	CIMENTACION-1.00	-	-	4Ø3/4"	26Ø5/8"	12Ø1/2"	1.00	6eØ3/8"	15	34.8	Cumple

Armado de pilares												
Hormigón: f'c=280												
Columna	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción[(1)]	Separación (cm)		
B1	NIVEL +1.00	120x65	-1.00/1.00	4Ø3/4"	26Ø5/8"	12Ø1/2"	1.00	6eØ3/8"	8	77.8	Cumple
	CIMENTACION-1.00	-	-				1.00	6eØ3/8"	15	36.6	Cumple
B2	NIVEL +1.00	120x65	-1.00/1.00	4Ø3/4"	26Ø5/8"	12Ø1/2"	1.00	6eØ3/8"	8	76.6	Cumple
	CIMENTACION-1.00	-	-				1.00	6eØ3/8"	15	31.3	Cumple
B3	NIVEL +1.00	120x65	-1.00/1.00	4Ø3/4"	26Ø5/8"	12Ø1/2"	1.00	6eØ3/8"	8	75.8	Cumple
	CIMENTACION-1.00	-	-				1.00	6eØ3/8"	15	31.3	Cumple
B4	NIVEL +1.00	120x65	-1.00/1.00	4Ø3/4"	26Ø5/8"	12Ø1/2"	1.00	6eØ3/8"	8	78.5	Cumple
	CIMENTACION-1.00	-	-				1.00	6eØ3/8"	15	34.0	Cumple
Notas: [(1)] *e = estribo, r = rama*											

3. ESFUERZOS DE COLUMNAS, TABIQUES Y MUROS POR HIPÓTESIS

▪ Tramo: Nivel inicial / nivel final del tramo entre plantas.

▪ Nota:

Los esfuerzos están referidos a ejes locales de la columna.

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
A1	NIVEL +1.00	120x65	-1	Peso propio	86.8	-98.9	0.3	-45.6	0.1	0.6	48.5	-7.7	0.1	-45.6	0.1	0.6
				Cargas permanentes	0	0	0	0	0	0	0	0	0	0	0	0
				CM 1	27.9	-77.1	-0.2	-33.8	-0.1	-0.1	27.9	-9.6	-0.1	-33.8	-0.1	-0.1
				Sobrecarga (Uso 1)	0	0	0	0	0	0	0	0	0	0	0	0
				Sobrecarga (Uso 3)	0	0	0	0	0	0	0	0	0	0	0	0
				Q 1 (Uso 3)	77.6	-214.3	-0.6	-93.8	-0.2	-0.2	77.6	-26.6	-0.3	-93.8	-0.2	-0.2
				V 1	72.8	-173.9	-0.9	-82.6	-0.2	-0.4	72.8	-8.7	-0.4	-82.6	-0.2	-0.4
				V 2	-72.8	173.9	0.9	82.6	0.2	0.4	-72.8	8.7	0.4	82.6	0.2	0.4
				Sismo X Modo 1	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 2	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 3	0	0	0.1	0	0	0	0	0	0	0	0	0
				Sismo X Modo 4	0.1	-2.6	-0.8	-0.3	-0.2	-0.3	0.1	-2.1	-0.4	-0.3	-0.2	-0.3
				Sismo X Modo 5	4.8	-80.1	-3.6	-10	-0.9	-1.8	4.8	-60	-1.8	-10	-0.9	-1.8
				Sismo Y Modo 1	-25	114.2	62.9	38.7	12	32.3	-25	36.8	38.9	38.7	12	32.3
				Sismo Y Modo 2	-0.1	-0.8	1.5	0	0.3	0.6	-0.1	-0.7	0.9	0	0.3	0.6
				Sismo Y Modo 3	0	-7.1	25.6	-1.6	5.4	8.6	0	-4	14.9	-1.6	5.4	8.6
				Sismo Y Modo 4	0.2	-3.1	-0.9	-0.3	-0.2	-0.4	0.2	-2.5	-0.5	-0.3	-0.2	-0.4
				Sismo Y Modo 5	0	-0.5	0	-0.1	0	0	0	-0.4	0	-0.1	0	0

A2	NIVEL +1.00	120x65	-1	Peso propio	84.8	-91	-0.1	-41.5	0	-0.1	46.6	-8	0	-41.5	0	-0.1
				Cargas permanentes	0	0	0	0	0	0	0	0	0	0	0	0
				CM 1	31	-74	0	-34.1	0	0	31	-5.8	0	-34.1	0	0
				Sobrecarga (Uso 1)	0	0	0	0	0	0	0	0	0	0	0	0
				Sobrecarga (Uso 3)	0	0	0	0	0	0	0	0	0	0	0	0
				Q 1 (Uso 3)	86.1	-205.7	0.1	-94.8	0	0.1	86.1	-16	0.1	-94.8	0	0.1
				V 1	81.6	-162.2	0	-83	0	0.1	81.6	3.8	0.1	-83	0	0.1
				V 2	-81.6	162.2	0	83	0	-0.1	-81.6	-3.8	-0.1	83	0	-0.1
				Sismo X Modo 1	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 2	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 3	0	0	0.1	0	0	0	0	0	0	0	0	0
				Sismo X Modo 4	0	0.1	-0.8	0	-0.2	-0.2	0	0.1	-0.4	0	-0.2	-0.2
				Sismo X Modo 5	0.2	3.5	-3	1.1	-0.7	-1	0.2	1.3	-1.6	1.1	-0.7	-1
				Sismo Y Modo 1	3	-4	66	-1.5	13	31.6	3	-0.9	40	-1.5	13	31.6
				Sismo Y Modo 2	0	0.1	1.5	0	0.3	0.5	0	0	0.9	0	0.3	0.5
				Sismo Y Modo 3	-0.5	-1.1	26.2	0.6	5.6	7.5	-0.5	-2.2	15.1	0.6	5.6	7.5
				Sismo Y Modo 4	0	0.1	-0.9	0	-0.2	-0.3	0	0.1	-0.5	0	-0.2	-0.3
				Sismo Y Modo 5	0	0	0	0	0	0	0	0	0	0	0	0
A3	NIVEL +1.00	120x65	-1	Peso propio	84.8	-91	0.1	-41.5	0	0.1	46.6	-8	0	-41.5	0	0.1
				Cargas permanentes	0	0	0	0	0	0	0	0	0	0	0	0
				CM 1	30.8	-72.7	0	-33.8	0	0.1	30.8	-5.2	0	-33.8	0	0.1
				Sobrecarga (Uso 1)	0	0	0	0	0	0	0	0	0	0	0	0
				Sobrecarga (Uso 3)	0	0	0	0	0	0	0	0	0	0	0	0
				Q 1 (Uso 3)	85.6	-202	0.1	-93.8	0	0.3	85.6	-14.3	0.1	-93.8	0	0.3
				V 1	81	-158.4	0	-82	0	0.2	81	5.6	0	-82	0	0.2
				V 2	-81	158.4	0	82	0	-0.2	-81	-5.6	0	82	0	-0.2
				Sismo X Modo 1	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 2	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 3	0	0	0.1	0	0	0	0	0	0	0	0	0
				Sismo X Modo 4	0	-0.1	-0.8	0	-0.2	-0.3	0	-0.1	-0.4	0	-0.2	-0.3
				Sismo X Modo 5	0.6	-0.7	-2.5	0.6	-0.5	0	0.6	-1.9	-1.4	0.6	-0.5	0
				Sismo Y Modo 1	-2.8	4	66.1	1.5	13	31.6	-2.8	0.9	40.1	1.5	13	31.6
				Sismo Y Modo 2	0	-0.1	1.5	0	0.3	0.5	0	0	0.9	0	0.3	0.5
				Sismo Y Modo 3	0.5	1.1	26.3	-0.6	5.6	7.5	0.5	2.2	15.1	-0.6	5.6	7.5
				Sismo Y Modo 4	0	-0.2	-0.9	0	-0.2	-0.3	0	-0.1	-0.5	0	-0.2	-0.3
				Sismo Y Modo 5	0	0	0	0	0	0	0	0	0	0	0	0
A4	NIVEL +1.00	120x65	-1	Peso propio	86.8	-98.9	-0.3	-45.6	-0.1	-0.6	48.5	-7.7	-0.1	-45.6	-0.1	-0.6
				Cargas permanentes	0	0	0	0	0	0	0	0	0	0	0	0
				CM 1	28.1	-78.9	0.3	-34.2	0.1	0.2	28.1	-10.5	0.2	-34.2	0.1	0.2
				Sobrecarga (Uso 1)	0	0	0	0	0	0	0	0	0	0	0	0
				Sobrecarga (Uso 3)	0	0	0	0	0	0	0	0	0	0	0	0

				Q 1 (Uso 3)	78.2	-219.3	0.8	-95	0.2	0.6	78.2	-29.2	0.5	-95	0.2	0.6
				V 1	73.3	-178.8	0.9	-83.7	0.2	0.8	73.3	-11.3	0.5	-83.7	0.2	0.8
				V 2	-73.3	178.8	-0.9	83.7	-0.2	-0.8	-73.3	11.3	-0.5	83.7	-0.2	-0.8
				Sismo X Modo 1	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 2	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 3	0	0	0.1	0	0	0	0	0	0	0	0	0
				Sismo X Modo 4	-0.2	3.3	-0.8	0.4	-0.2	-0.3	-0.2	2.5	-0.4	0.4	-0.2	-0.3
				Sismo X Modo 5	5.3	-103.8	-1.6	-12.9	-0.2	0.8	5.3	-78	-1.1	-12.9	-0.2	0.8
				Sismo Y Modo 1	24.8	-114.3	62.6	-38.7	11.9	32.4	24.8	-36.9	38.8	-38.7	11.9	32.4
				Sismo Y Modo 2	0.1	0.8	1.5	0	0.3	0.6	0.1	0.7	0.9	0	0.3	0.6
				Sismo Y Modo 3	0	7.5	25.5	1.7	5.3	8.6	0	4.2	14.9	1.7	5.3	8.6
				Sismo Y Modo 4	-0.2	3.8	-0.9	0.4	-0.2	-0.4	-0.2	3	-0.5	0.4	-0.2	-0.4
				Sismo Y Modo 5	0	-0.7	0	-0.1	0	0	0	-0.5	0	-0.1	0	0
B1	NIVEL +1.00	120x65	-1	Peso propio	86.6	100.2	0.3	45.6	0.1	-0.6	48.3	9	0.1	45.6	0.1	-0.6
				Cargas permanentes	0	0	0	0	0	0	0	0	0	0	0	0
				CM 1	27.9	77.2	-0.2	33.8	-0.1	0.1	27.9	9.6	-0.1	33.8	-0.1	0.1
				Sobrecarga (Uso 1)	0	0	0	0	0	0	0	0	0	0	0	0
				Sobrecarga (Uso 3)	0	0	0	0	0	0	0	0	0	0	0	0
				Q 1 (Uso 3)	77.5	214.3	-0.6	93.9	-0.2	0.3	77.5	26.6	-0.3	93.9	-0.2	0.3
				V 1	72.7	173.8	-0.8	82.6	-0.2	0.5	72.7	8.6	-0.4	82.6	-0.2	0.5
				V 2	-72.7	-173.8	0.8	-82.6	0.2	-0.5	-72.7	-8.6	0.4	-82.6	0.2	-0.5
				Sismo X Modo 1	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 2	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 3	0	0	0.1	0	0	0	0	0	0	0	0	0
				Sismo X Modo 4	-0.2	-2.7	0.8	-0.3	0.2	-0.3	-0.2	-2	0.4	-0.3	0.2	-0.3
				Sismo X Modo 5	-3.4	-63.6	3.8	-6	1	-1.8	-3.4	-51.6	1.7	-6	1	-1.8
				Sismo Y Modo 1	-25.3	-110	61.5	-38.2	11.7	-31.4	-25.3	-33.7	38	-38.2	11.7	-31.4
				Sismo Y Modo 2	0.2	-0.6	-1.6	0	-0.3	0.6	0.2	-0.7	-1	0	-0.3	0.6
				Sismo Y Modo 3	-0.5	2.4	23.3	0.9	5	-8.2	-0.5	0.5	13.3	0.9	5	-8.2
				Sismo Y Modo 4	-0.2	-3.1	1	-0.4	0.2	-0.4	-0.2	-2.4	0.5	-0.4	0.2	-0.4
				Sismo Y Modo 5	0	-0.4	0	0	0	0	0	-0.3	0	0	0	0
B2	NIVEL +1.00	120x65	-1	Peso propio	84.5	92.8	-0.1	41.5	0	0.1	46.3	9.9	0	41.5	0	0.1
				Cargas permanentes	0	0	0	0	0	0	0	0	0	0	0	0
				CM 1	31	74.1	0.1	34.2	0	-0.1	31	5.7	0	34.2	0	-0.1
				Sobrecarga (Uso 1)	0	0	0	0	0	0	0	0	0	0	0	0
				Sobrecarga (Uso 3)	0	0	0	0	0	0	0	0	0	0	0	0
				Q 1 (Uso 3)	86.2	205.8	0.1	95	0	-0.2	86.2	15.9	0.1	95	0	-0.2
				V 1	81.6	162.4	0.2	83.1	0	-0.1	81.6	-3.8	0.1	83.1	0	-0.1
				V 2	-81.6	-162.4	-0.2	-83.1	0	0.1	-81.6	3.8	-0.1	-83.1	0	0.1
				Sismo X Modo 1	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 2	0	0	0	0	0	0	0	0	0	0	0	0

				Sismo X Modo 3	0	0	0.1	0	0	0	0	0	0	0	0	0
				Sismo X Modo 4	0	-0.4	0.8	-0.1	0.2	-0.3	0	-0.1	0.4	-0.1	0.2	-0.3
				Sismo X Modo 5	-1.6	-15.1	3.3	-4.8	0.7	-1	-1.6	-5.6	1.8	-4.8	0.7	-1
				Sismo Y Modo 1	4.1	-3.8	64.8	1.7	12.8	-31.1	4.1	-7.1	39.2	1.7	12.8	-31.1
				Sismo Y Modo 2	-0.1	-0.3	-1.7	-0.1	-0.3	0.6	-0.1	-0.1	-1	-0.1	-0.3	0.6
				Sismo Y Modo 3	-0.2	-0.5	24	-0.7	5.3	-7.4	-0.2	0.9	13.5	-0.7	5.3	-7.4
				Sismo Y Modo 4	0	-0.5	1	-0.2	0.2	-0.3	0	-0.2	0.5	-0.2	0.2	-0.3
				Sismo Y Modo 5	0	-0.1	0	0	0	0	0	0	0	0	0	0
B3	NIVEL +1.00	120x65	-1	Peso propio	84.5	92.8	0.1	41.5	0	-0.1	46.3	9.9	0	41.5	0	-0.1
				Cargas permanentes	0	0	0	0	0	0	0	0	0	0	0	0
				CM 1	30.5	74	0.1	33.8	0	-0.1	30.5	6.5	0	33.8	0	-0.1
				Sobrecarga (Uso 1)	0	0	0	0	0	0	0	0	0	0	0	0
				Sobrecarga (Uso 3)	0	0	0	0	0	0	0	0	0	0	0	0
				Q 1 (Uso 3)	84.7	205.5	0.2	93.8	0	-0.3	84.7	18	0.1	93.8	0	-0.3
				V 1	80.1	162	0.2	81.9	0	-0.2	80.1	-1.7	0.1	81.9	0	-0.2
				V 2	-80.1	-162	-0.2	-81.9	0	0.2	-80.1	1.7	-0.1	-81.9	0	0.2
				Sismo X Modo 1	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 2	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 3	0	0	0.1	0	0	0	0	0	0	0	0	0
				Sismo X Modo 4	0	0.5	0.8	0.2	0.2	-0.3	0	0.2	0.4	0.2	0.2	-0.3
				Sismo X Modo 5	-1.5	-20.9	2.9	-5.9	0.7	-0.3	-1.5	-9.1	1.6	-5.9	0.7	-0.3
				Sismo Y Modo 1	-4	3.9	64.9	-1.6	12.8	-31.1	-4	7.2	39.2	-1.6	12.8	-31.1
				Sismo Y Modo 2	0.1	0.3	-1.7	0.1	-0.3	0.6	0.1	0.1	-1	0.1	-0.3	0.6
				Sismo Y Modo 3	0.2	0.5	24	0.7	5.3	-7.4	0.2	-1	13.5	0.7	5.3	-7.4
				Sismo Y Modo 4	0	0.6	1	0.2	0.2	-0.3	0	0.2	0.5	0.2	0.2	-0.3
				Sismo Y Modo 5	0	-0.1	0	0	0	0	0	-0.1	0	0	0	0
B4	NIVEL +1.00	120x65	-1	Peso propio	86.6	100.2	-0.3	45.6	-0.1	0.6	48.3	8.9	-0.1	45.6	-0.1	0.6
				Cargas permanentes	0	0	0	0	0	0	0	0	0	0	0	0
				CM 1	28.4	77.4	0.2	34.2	0	-0.1	28.4	9	0.1	34.2	0	-0.1
				Sobrecarga (Uso 1)	0	0	0	0	0	0	0	0	0	0	0	0
				Sobrecarga (Uso 3)	0	0	0	0	0	0	0	0	0	0	0	0
				Q 1 (Uso 3)	78.9	215	0.6	95	0.1	-0.3	78.9	25.1	0.4	95	0.1	-0.3
				V 1	74.1	173.7	0.7	83.6	0.1	-0.4	74.1	6.5	0.5	83.6	0.1	-0.4
				V 2	-74.1	-173.7	-0.7	-83.6	-0.1	0.4	-74.1	-6.5	-0.5	-83.6	-0.1	0.4
				Sismo X Modo 1	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 2	0	0	0	0	0	0	0	0	0	0	0	0
				Sismo X Modo 3	0	0	0.1	0	0	0	0	0	0	0	0	0
				Sismo X Modo 4	0.2	3.1	0.8	0.3	0.2	-0.3	0.2	2.4	0.4	0.3	0.2	-0.3
				Sismo X Modo 5	-4.3	-84.9	2	-8.1	0.2	0.5	-4.3	-68.7	1.6	-8.1	0.2	0.5
				Sismo Y Modo 1	25.2	110	61.2	38.2	11.6	-31.5	25.2	33.6	38	38.2	11.6	-31.5
				Sismo Y Modo 2	-0.1	0.6	-1.6	0	-0.3	0.6	-0.1	0.7	-1	0	-0.3	0.6
				Sismo Y Modo 3	0.5	-2.1	23.2	-0.9	5	-8.3	0.5	-0.3	13.2	-0.9	5	-8.3

				Sismo Y Modo 4	0.2	3.6	1	0.4	0.2	-0.4	0.2	2.9	0.5	0.4	0.2	-0.4
				Sismo Y Modo 5	0	-0.5	0	-0.1	0	0	0	-0.4	0	-0.1	0	0

4. ARRANQUES DE COLUMNAS, TABIQUES Y MUROS POR HIPÓTESIS

- **Nota:**

Los esfuerzos están referidos a ejes locales de la columna.

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
A1	Peso propio	86.8	-98.9	0.3	-45.6	0.1	0.6
	Cargas permanentes	0	0	0	0	0	0
	CM 1	27.9	-77.1	-0.2	-33.8	-0.1	-0.1
	Sobrecarga (Uso 1)	0	0	0	0	0	0
	Sobrecarga (Uso 3)	0	0	0	0	0	0
	Q 1 (Uso 3)	77.6	-214.3	-0.6	-93.8	-0.2	-0.2
	V 1	72.8	-173.9	-0.9	-82.6	-0.2	-0.4
	V 2	-72.8	173.9	0.9	82.6	0.2	0.4
	Sismo X Modo 1	0	0	0	0	0	0
	Sismo X Modo 2	0	0	0	0	0	0
	Sismo X Modo 3	0	0	0.1	0	0	0
	Sismo X Modo 4	0.1	-2.6	-0.8	-0.3	-0.2	-0.3
	Sismo X Modo 5	4.8	-80.1	-3.6	-10	-0.9	-1.8
	Sismo Y Modo 1	-25	114.2	62.9	38.7	12	32.3
	Sismo Y Modo 2	-0.1	-0.8	1.5	0	0.3	0.6
	Sismo Y Modo 3	0	-7.1	25.6	-1.6	5.4	8.6
	Sismo Y Modo 4	0.2	-3.1	-0.9	-0.3	-0.2	-0.4
	Sismo Y Modo 5	0	-0.5	0	-0.1	0	0
A2	Peso propio	84.8	-91	-0.1	-41.5	0	-0.1
	Cargas permanentes	0	0	0	0	0	0
	CM 1	31	-74	0	-34.1	0	0
	Sobrecarga (Uso 1)	0	0	0	0	0	0
	Sobrecarga (Uso 3)	0	0	0	0	0	0
	Q 1 (Uso 3)	86.1	-205.7	0.1	-94.8	0	0.1
	V 1	81.6	-162.2	0	-83	0	0.1
	V 2	-81.6	162.2	0	83	0	-0.1
	Sismo X Modo 1	0	0	0	0	0	0
	Sismo X Modo 2	0	0	0	0	0	0
	Sismo X Modo 3	0	0	0.1	0	0	0
	Sismo X Modo 4	0	0.1	-0.8	0	-0.2	-0.2

	Sismo X Modo 5	0.2	3.5	-3	1.1	-0.7	-1
	Sismo Y Modo 1	3	-4	66	-1.5	13	31.6
	Sismo Y Modo 2	0	0.1	1.5	0	0.3	0.5
	Sismo Y Modo 3	-0.5	-1.1	26.2	0.6	5.6	7.5
	Sismo Y Modo 4	0	0.1	-0.9	0	-0.2	-0.3
	Sismo Y Modo 5	0	0	0	0	0	0
A3	Peso propio	84.8	-91	0.1	-41.5	0	0.1
	Cargas permanentes	0	0	0	0	0	0
	CM 1	30.8	-72.7	0	-33.8	0	0.1
	Sobrecarga (Uso 1)	0	0	0	0	0	0
	Sobrecarga (Uso 3)	0	0	0	0	0	0
	Q 1 (Uso 3)	85.6	-202	0.1	-93.8	0	0.3
	V 1	81	-158.4	0	-82	0	0.2
	V 2	-81	158.4	0	82	0	-0.2
	Sismo X Modo 1	0	0	0	0	0	0
	Sismo X Modo 2	0	0	0	0	0	0
	Sismo X Modo 3	0	0	0.1	0	0	0
	Sismo X Modo 4	0	-0.1	-0.8	0	-0.2	-0.3
	Sismo X Modo 5	0.6	-0.7	-2.5	0.6	-0.5	0
	Sismo Y Modo 1	-2.8	4	66.1	1.5	13	31.6
	Sismo Y Modo 2	0	-0.1	1.5	0	0.3	0.5
	Sismo Y Modo 3	0.5	1.1	26.3	-0.6	5.6	7.5
	Sismo Y Modo 4	0	-0.2	-0.9	0	-0.2	-0.3
	Sismo Y Modo 5	0	0	0	0	0	0
A4	Peso propio	86.8	-98.9	-0.3	-45.6	-0.1	-0.6
	Cargas permanentes	0	0	0	0	0	0
	CM 1	28.1	-78.9	0.3	-34.2	0.1	0.2
	Sobrecarga (Uso 1)	0	0	0	0	0	0
	Sobrecarga (Uso 3)	0	0	0	0	0	0
	Q 1 (Uso 3)	78.2	-219.3	0.8	-95	0.2	0.6
	V 1	73.3	-178.8	0.9	-83.7	0.2	0.8
	V 2	-73.3	178.8	-0.9	83.7	-0.2	-0.8
	Sismo X Modo 1	0	0	0	0	0	0
	Sismo X Modo 2	0	0	0	0	0	0
	Sismo X Modo 3	0	0	0.1	0	0	0
	Sismo X Modo 4	-0.2	3.3	-0.8	0.4	-0.2	-0.3
	Sismo X Modo 5	5.3	-103.8	-1.6	-12.9	-0.2	0.8
	Sismo Y Modo 1	24.8	-114.3	62.6	-38.7	11.9	32.4
	Sismo Y Modo 2	0.1	0.8	1.5	0	0.3	0.6
	Sismo Y Modo 3	0	7.5	25.5	1.7	5.3	8.6
	Sismo Y Modo 4	-0.2	3.8	-0.9	0.4	-0.2	-0.4
	Sismo Y Modo 5	0	-0.7	0	-0.1	0	0

B1	Peso propio	86.6	100.2	0.3	45.6	0.1	-0.6
	Cargas permanentes	0	0	0	0	0	0
	CM 1	27.9	77.2	-0.2	33.8	-0.1	0.1
	Sobrecarga (Uso 1)	0	0	0	0	0	0
	Sobrecarga (Uso 3)	0	0	0	0	0	0
	Q 1 (Uso 3)	77.5	214.3	-0.6	93.9	-0.2	0.3
	V 1	72.7	173.8	-0.8	82.6	-0.2	0.5
	V 2	-72.7	-173.8	0.8	-82.6	0.2	-0.5
	Sismo X Modo 1	0	0	0	0	0	0
	Sismo X Modo 2	0	0	0	0	0	0
	Sismo X Modo 3	0	0	0.1	0	0	0
	Sismo X Modo 4	-0.2	-2.7	0.8	-0.3	0.2	-0.3
	Sismo X Modo 5	-3.4	-63.6	3.8	-6	1	-1.8
	Sismo Y Modo 1	-25.3	-110	61.5	-38.2	11.7	-31.4
	Sismo Y Modo 2	0.2	-0.6	-1.6	0	-0.3	0.6
	Sismo Y Modo 3	-0.5	2.4	23.3	0.9	5	-8.2
	Sismo Y Modo 4	-0.2	-3.1	1	-0.4	0.2	-0.4
	Sismo Y Modo 5	0	-0.4	0	0	0	0
B2	Peso propio	84.5	92.8	-0.1	41.5	0	0.1
	Cargas permanentes	0	0	0	0	0	0
	CM 1	31	74.1	0.1	34.2	0	-0.1
	Sobrecarga (Uso 1)	0	0	0	0	0	0
	Sobrecarga (Uso 3)	0	0	0	0	0	0
	Q 1 (Uso 3)	86.2	205.8	0.1	95	0	-0.2
	V 1	81.6	162.4	0.2	83.1	0	-0.1
	V 2	-81.6	-162.4	-0.2	-83.1	0	0.1
	Sismo X Modo 1	0	0	0	0	0	0
	Sismo X Modo 2	0	0	0	0	0	0
	Sismo X Modo 3	0	0	0.1	0	0	0
	Sismo X Modo 4	0	-0.4	0.8	-0.1	0.2	-0.3
	Sismo X Modo 5	-1.6	-15.1	3.3	-4.8	0.7	-1
	Sismo Y Modo 1	4.1	-3.8	64.8	1.7	12.8	-31.1
	Sismo Y Modo 2	-0.1	-0.3	-1.7	-0.1	-0.3	0.6
	Sismo Y Modo 3	-0.2	-0.5	24	-0.7	5.3	-7.4
	Sismo Y Modo 4	0	-0.5	1	-0.2	0.2	-0.3
	Sismo Y Modo 5	0	-0.1	0	0	0	0
B3	Peso propio	84.5	92.8	0.1	41.5	0	-0.1
	Cargas permanentes	0	0	0	0	0	0
	CM 1	30.5	74	0.1	33.8	0	-0.1
	Sobrecarga (Uso 1)	0	0	0	0	0	0
	Sobrecarga (Uso 3)	0	0	0	0	0	0
	Q 1 (Uso 3)	84.7	205.5	0.2	93.8	0	-0.3

	V 1	80.1	162	0.2	81.9	0	-0.2
	V 2	-80.1	-162	-0.2	-81.9	0	0.2
	Sismo X Modo 1	0	0	0	0	0	0
	Sismo X Modo 2	0	0	0	0	0	0
	Sismo X Modo 3	0	0	0.1	0	0	0
	Sismo X Modo 4	0	0.5	0.8	0.2	0.2	-0.3
	Sismo X Modo 5	-1.5	-20.9	2.9	-5.9	0.7	-0.3
	Sismo Y Modo 1	-4	3.9	64.9	-1.6	12.8	-31.1
	Sismo Y Modo 2	0.1	0.3	-1.7	0.1	-0.3	0.6
	Sismo Y Modo 3	0.2	0.5	24	0.7	5.3	-7.4
	Sismo Y Modo 4	0	0.6	1	0.2	0.2	-0.3
	Sismo Y Modo 5	0	-0.1	0	0	0	0
B4	Peso propio	86.6	100.2	-0.3	45.6	-0.1	0.6
	Cargas permanentes	0	0	0	0	0	0
	CM 1	28.4	77.4	0.2	34.2	0	-0.1
	Sobrecarga (Uso 1)	0	0	0	0	0	0
	Sobrecarga (Uso 3)	0	0	0	0	0	0
	Q 1 (Uso 3)	78.9	215	0.6	95	0.1	-0.3
	V 1	74.1	173.7	0.7	83.6	0.1	-0.4
	V 2	-74.1	-173.7	-0.7	-83.6	-0.1	0.4
	Sismo X Modo 1	0	0	0	0	0	0
	Sismo X Modo 2	0	0	0	0	0	0
	Sismo X Modo 3	0	0	0.1	0	0	0
	Sismo X Modo 4	0.2	3.1	0.8	0.3	0.2	-0.3
	Sismo X Modo 5	-4.3	-84.9	2	-8.1	0.2	0.5
	Sismo Y Modo 1	25.2	110	61.2	38.2	11.6	-31.5
	Sismo Y Modo 2	-0.1	0.6	-1.6	0	-0.3	0.6
	Sismo Y Modo 3	0.5	-2.1	23.2	-0.9	5	-8.3
	Sismo Y Modo 4	0.2	3.6	1	0.4	0.2	-0.4
	Sismo Y Modo 5	0	-0.5	0	-0.1	0	0

5. PÉSIMOS DE COLUMNAS, TABIQUES Y MUROS

5.1. Columnas

Resumen de las comprobaciones												
Columnas	Tramo	Dimensión (cm)	Posición	Esfuerzos pésimos						Pésima	Aprov. (%)	Estado
				Naturaleza	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)			
A1	NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	G, S	117.0	-34.8	-82.2	-232.8	-31.0	Q S.	58.0	Cumple
			Pie	G, Q, V	298.3	-1.4	-641.2	-286.7	-0.3	Q	77.7	Cumple
	CIMENTACION-1.00	120x65	Arranque	G, Q, V	298.3	-1.4	-641.2	-286.7	-0.3	N,M	33.9	Cumple
A2	NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	G, Q, V	271.6	0.1	-40.2	-284.1	-0.1	Q	44.4	Cumple
				G, S	74.6	-1.6	-115.1	-152.7	-2.8	N,M S.	5.6	Cumple

Resumen de las comprobaciones												
Columnas	Tramo	Dimensión (cm)	Posición	Esfuerzos pésimos						Pésima	Aprov. (%)	Estado
				Naturaleza	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)			
			Pie	G, Q, V	317.5	0.0	-608.3	-284.1	-0.1	Q	76.5	Cumple
	CIMENTACION-1.00	120x65	Arranque	G, Q, V	317.5	0.0	-608.3	-284.1	-0.1	N,M	31.1	Cumple
A3	NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	G, Q, V	270.3	0.2	-35.9	-281.5	0.1	Q	44.0	Cumple
				G, S	75.1	1.5	-111.8	-146.8	1.7	N,M S.	5.4	Cumple
			Pie	G, Q, V	316.2	0.3	-599.0	-281.5	0.1	Q	75.7	Cumple
	CIMENTACION-1.00	120x65	Arranque	G, Q, V	316.2	0.3	-599.0	-281.5	0.1	N,M	30.5	Cumple
A4	NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	G, S	117.3	35.4	-80.2	-230.2	31.9	Q S.	57.4	Cumple
				G, S	77.6	2.1	-116.5	-158.6	1.4	N,M S.	5.6	Cumple
			Pie	G, Q, V	299.6	1.7	-653.7	-289.7	0.3	Q	78.6	Cumple
	CIMENTACION-1.00	120x65	Arranque	G, Q, V	299.6	1.7	-653.7	-289.7	0.3	N,M	34.8	Cumple
B4	NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	G, S	117.2	37.5	61.9	226.5	34.1	Q S.	56.6	Cumple
				G, S	98.0	-1.4	116.0	143.7	-0.9	N,M S.	5.8	Cumple
			Pie	G, Q, V	301.3	1.2	644.0	289.5	0.1	Q	78.5	Cumple
	CIMENTACION-1.00	120x65	Arranque	G, Q, V	301.3	1.2	644.0	289.5	0.1	N,M	34.0	Cumple
B3	NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	G, Q, V	267.6	0.3	47.5	281.2	0.1	Q	44.0	Cumple
				G, S	97.2	-0.4	112.7	175.8	-0.8	N,M S.	5.6	Cumple
			Pie	G, Q, V	313.5	0.6	610.0	281.2	0.1	Q	75.8	Cumple
	CIMENTACION-1.00	120x65	Arranque	G, Q, V	313.5	0.6	610.0	281.2	0.1	N,M	31.3	Cumple
B2	NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	G, Q, V	271.5	0.3	42.3	284.3	0.0	Q	44.4	Cumple
				G, S	97.7	-0.8	110.1	177.2	-1.0	N,M S.	5.5	Cumple
			Pie	G, Q, V	317.4	0.3	610.8	284.3	0.0	Q	76.6	Cumple
	CIMENTACION-1.00	120x65	Arranque	G, Q, V	317.4	0.3	610.8	284.3	0.0	N,M	31.3	Cumple
B1	NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	G, S	117.5	-40.2	81.1	226.9	-40.0	Q S.	56.8	Cumple
				G, S	97.0	-2.3	105.9	138.7	-4.4	N,M S.	5.2	Cumple
			Pie	G, Q, V	297.8	-1.3	642.7	286.8	-0.3	Q	77.8	Cumple
	CIMENTACION-1.00	120x65	Arranque	G, Q, V	297.8	-1.3	642.7	286.8	-0.3	N,M	36.6	Cumple

Notas:

Q S.: Estado límite de agotamiento frente a cortante (combinaciones sísmicas)

Q: Estado límite de agotamiento frente a cortante (combinaciones no sísmicas)

N,M: Estado límite de agotamiento frente a solicitaciones normales (combinaciones no sísmicas)

N,M S.: Estado límite de agotamiento frente a solicitaciones normales (combinaciones sísmicas)

ÍNDICE

1. NOTACIÓN 2

2. COLUMNAS 2
- **2.1. A1** 2
- **2.2. A2** 2
- **2.3. A3** 2
- **2.4. A4** 2
- **2.5. B1** 3
- **2.6. B2** 3
- **2.7. B3** 3
- **2.8. B4** 3

1. NOTACIÓN

En las tablas de comprobación de pilares de acero no se muestran las comprobaciones con coeficiente de aprovechamiento inferior al 10%.

Disp.: Disposiciones relativas a las armaduras

Arm.: Armadura mínima y máxima

Q: Estado límite de agotamiento frente a cortante

N,M: Estado límite de agotamiento frente a solicitaciones normales

Disp. S.: Criterios de diseño por sismo

Cap.: Diseño por capacidad

2. COLUMNAS

2.1. A1

Sección de hormigón																		
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	Cumple	Cumple	58.0	4.9	Cumple	Cumple	58.0	G, S[3]	Q S.,N,M S.	117.0	-34.8	-82.2	-232.8	-31.0	Cumple
		Pie	Cumple	Cumple	77.7	33.9	Cumple	Cumple	77.7	G, Q, V[4]	Q,N,M	298.3	-1.4	-641.2	-286.7	-0.3	Cumple
CIMENTACION-1.00	120x65	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	33.9	N.P.[1]	Cumple	33.9	G, Q, V[4]	N,M	298.3	-1.4	-641.2	-286.7	-0.3	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1-0.3·SX-SY
[4] 1.2·PP+1.2·CM+1.2·CM1+1.6·Q1(3)+0.5·V1

2.2. A2

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	Cumple	Cumple	44.4	5.6	Cumple	Cumple	44.4	G, Q, V[3]	Q	271.6	0.1	-40.2	-284.1	-0.1	Cumple
										G, S[4]	N,M S.	74.6	-1.6	-115.1	-152.7	-2.8	
		Pie	Cumple	Cumple	76.5	31.1	Cumple	Cumple	76.5	G, Q, V[3]	Q,N,M	317.5	0.0	-608.3	-284.1	-0.1	Cumple
CIMENTACION-1.00	120x65	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	31.1	N.P.[1]	Cumple	31.1	G, Q, V[3]	N,M	317.5	0.0	-608.3	-284.1	-0.1	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1+1.6·Q1(3)+0.5·V1
[4] 0.9·PP+0.9·CM+0.9·CM1-SX-0.3·SY

2.3. A3

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	Cumple	Cumple	44.0	5.4	Cumple	Cumple	44.0	G, Q, V[3]	Q	270.3	0.2	-35.9	-281.5	0.1	Cumple
										G, S[4]	N,M S.	75.1	1.5	-111.8	-146.8	1.7	
		Pie	Cumple	Cumple	75.7	30.5	Cumple	Cumple	75.7	G, Q, V[3]	Q,N,M	316.2	0.3	-599.0	-281.5	0.1	Cumple
CIMENTACION-1.00	120x65	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	30.5	N.P.[1]	Cumple	30.5	G, Q, V[3]	N,M	316.2	0.3	-599.0	-281.5	0.1	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1+1.6·Q1(3)+0.5·V1
[4] 0.9·PP+0.9·CM+0.9·CM1-SX-0.3·SY

2.4. A4

Sección de hormigón																		
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	Cumple	Cumple	57.4	5.6	Cumple	Cumple	57.4	G, S[3]	Q S.	117.3	35.4	-80.2	-230.2	31.9	Cumple
										G, S[4]	N,M S.	77.6	2.1	-116.5	-158.6	1.4	
		Pie	Cumple	Cumple	78.6	34.8	Cumple	Cumple	78.6	G, Q, V[5]	Q,N,M	299.6	1.7	-653.7	-289.7	0.3	Cumple
CIMENTACION-1.00	120x65	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	34.8	N.P.[1]	Cumple	34.8	G, Q, V[5]	N,M	299.6	1.7	-653.7	-289.7	0.3	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1+0.3·SX+SY
[4] 0.9·PP+0.9·CM+0.9·CM1+SX+0.3·SY
[5] 1.2·PP+1.2·CM+1.2·CM1+1.6·Q1(3)+0.5·V1

2.5. B1

Sección de hormigón																		
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	Cumple	Cumple	56.8	5.2	Cumple	Cumple	56.8	G, S[3]	Q S.	117.5	-40.2	81.1	226.9	-40.0	Cumple
										G, S[4]	N,M S.	97.0	-2.3	105.9	138.7	-4.4	
		Pie	Cumple	Cumple	77.8	36.6	Cumple	Cumple	77.8	G, Q, V[5]	Q,N,M	297.8	-1.3	642.7	286.8	-0.3	Cumple
CIMENTACION-1.00	120x65	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	36.6	N.P.[1]	Cumple	36.6	G, Q, V[5]	N,M	297.8	-1.3	642.7	286.8	-0.3	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1-0.3·SX-SY
[4] 1.2·PP+1.2·CM+1.2·CM1-SX-0.3·SY
[5] 1.2·PP+1.2·CM+1.2·CM1+1.6·Q1(3)+0.5·V1

2.6. B2

Sección de hormigón																		
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	Cumple	Cumple	44.4	5.5	Cumple	Cumple	44.4	G, Q, V[3]	Q	271.5	0.3	42.3	284.3	0.0	Cumple
										G, S[4]	N,M S.	97.7	-0.8	110.1	177.2	-1.0	
		Pie	Cumple	Cumple	76.6	31.3	Cumple	Cumple	76.6	G, Q, V[3]	Q,N,M	317.4	0.3	610.8	284.3	0.0	Cumple
CIMENTACION-1.00	120x65	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	31.3	N.P.[1]	Cumple	31.3	G, Q, V[3]	N,M	317.4	0.3	610.8	284.3	0.0	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1+1.6·Q1(3)+0.5·V1
[4] 1.2·PP+1.2·CM+1.2·CM1+SX+0.3·SY

2.7. B3

Sección de hormigón																		
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	Cumple	Cumple	44.0	5.6	Cumple	Cumple	44.0	G, Q, V[3]	Q	267.6	0.3	47.5	281.2	0.1	Cumple
										G, S[4]	N,M S.	97.2	-0.4	112.7	175.8	-0.8	
		Pie	Cumple	Cumple	75.8	31.3	Cumple	Cumple	75.8	G, Q, V[3]	Q,N,M	313.5	0.6	610.0	281.2	0.1	Cumple
CIMENTACION-1.00	120x65	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	31.3	N.P.[1]	Cumple	31.3	G, Q, V[3]	N,M	313.5	0.6	610.0	281.2	0.1	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1+1.6·Q1(3)+0.5·V1
[4] 1.2·PP+1.2·CM+1.2·CM1+SX+0.3·SY

2.8. B4

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
NIVEL +1.00 (-1 - 1 m)	120x65	Cabeza	Cumple	Cumple	56.6	5.8	Cumple	Cumple	56.6	G, S[3]	Q S.	117.2	37.5	61.9	226.5	34.1	Cumple
										G, S[4]	N,M S.	98.0	-1.4	116.0	143.7	-0.9	
		Pie	Cumple	Cumple	78.5	34.0	Cumple	Cumple	78.5	G, Q, V[5]	Q,N,M	301.3	1.2	644.0	289.5	0.1	Cumple
CIMENTACION-1.00	120x65	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	34.0	N.P.[1]	Cumple	34.0	G, Q, V[5]	N,M	301.3	1.2	644.0	289.5	0.1	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1+0.3·SX+SY
[4] 1.2·PP+1.2·CM+1.2·CM1-SX-0.3·SY
[5] 1.2·PP+1.2·CM+1.2·CM1+1.6·Q1(3)+0.5·V1

ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

VERIFICACIÓN ELEMENTOS CUBIERTA

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

1. DATOS DE OBRA

2. ESTRUCTURA

2.1. Geometría

2.1.1. Barras

2.1.1.1. Materiales utilizados

Materiales utilizados							
Material		E (MPa)	ν	G (MPa)	f_y (MPa)	$\alpha_{\cdot t}$ (m/m°C)	γ (kN/m³)
Tipo	Designación						
Acero conformado	A572 50ksi	203000.00	0.300	78076.92	345.00	0.000012	77.01

2.1.1.2. Características mecánicas

Tipos de pieza	
Ref.	Piezas
1	N13/N5, N5/N14, N14/N6, N6/N15, N15/N16, N16/N17, N17/N18, N18/N19, N19/N20, N20/N21, N21/N22, N22/N23, N23/N24, N24/N25, N25/N26, N26/N27, N27/N28, N28/N29, N29/N30, N30/N31, N31/N32, N32/N33, N33/N34, N34/N35, N35/N36, N36/N37, N37/N38, N38/N39, N39/N40, N40/N41, N41/N42, N43/N42, N44/N43, N45/N44, N46/N45, N47/N46, N48/N47, N49/N48, N50/N49, N51/N50, N52/N51, N53/N52, N54/N53, N55/N54, N56/N55, N57/N56, N58/N57, N59/N58, N60/N59, N61/N60, N62/N61, N63/N62, N64/N63, N65/N64, N66/N65, N67/N66, N68/N67, N69/N68, N7/N69, N70/N7, N12/N70, N71/N12, N71/N72, N72/N73, N73/N74, N74/N75, N75/N76, N76/N77, N77/N78, N78/N79, N79/N80, N80/N81, N81/N82, N82/N83, N83/N84, N84/N85, N85/N86, N86/N87, N87/N88, N88/N89, N89/N90, N90/N91, N91/N92, N92/N93, N93/N94, N94/N95, N95/N96, N96/N97, N97/N98, N98/N99, N99/N100, N100/N101, N101/N102, N102/N103, N104/N103, N105/N104, N106/N105, N107/N106, N108/N107, N109/N108, N110/N109, N111/N110, N112/N111, N113/N112, N114/N113, N115/N114, N116/N115, 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Tipos de pieza	
Ref.	Piezas
2	N5/N134, N5/N132, N6/N132, N6/N130, N16/N130, N16/N128, N18/N128, N18/N126, N20/N126, N20/N124, N22/N124, N22/N122, N24/N122, N24/N120, N26/N120, N26/N118, N28/N118, N28/N116, N30/N116, N30/N114, N32/N114, N32/N112, N34/N112, N34/N110, N36/N110, N36/N108, N38/N108, N38/N106, N40/N106, N40/N104, N42/N104, N42/N102, N44/N102, N44/N100, N46/N100, N46/N98, N48/N98, N48/N96, N50/N96, N50/N94, N52/N94, N52/N92, N54/N92, N54/N90, N56/N90, N56/N88, N58/N88, N58/N86, N60/N86, N60/N84, N62/N84, N62/N82, N64/N82, N64/N80, N66/N80, N66/N78, N68/N78, N68/N76, N7/N76, N7/N74, N12/N74, N12/N72, N12/N73, N70/N74, N7/N75, N69/N76, N68/N77, N67/N78, N66/N79, N65/N80, N64/N81, N63/N82, N62/N83, N61/N84, N60/N85, N59/N86, N58/N87, N57/N88, N56/N89, N55/N90, N54/N91, N53/N92, N52/N93, N51/N94, N50/N95, N49/N96, N48/N97, N47/N98, N46/N99, N45/N100, N44/N101, N43/N102, N42/N103, N41/N104, N40/N105, N39/N106, N38/N107, N37/N108, N36/N109, N35/N110, N34/N111, N33/N112, N32/N113, N31/N114, N30/N115, N29/N116, 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Tipos de pieza	
Ref.	Piezas
4	N73/N464, N12/N405, N133/N524, N5/N400, N105/N496 y N40/N432
5	N4/N6, N11/N7, N138/N658, N269/N659, N399/N661, N143/N663, N274/N665, N404/N667, N2/N672, N3/N671, N4/N670, N671/N4, N2/N671, N676/N9, N675/N10, N674/N11, N675/N11, N9/N675, N136/N679, N137/N677, N138/N680, N677/N138, N136/N677, N267/N683, N268/N681, N269/N684, N681/N269, N267/N681, N397/N687, N398/N685, N399/N688, N685/N399, N397/N685, N691/N141, N689/N142, N689/N143, N141/N689, N692/N143, N695/N272, N693/N273, N693/N274, N272/N693, N696/N274, N699/N402, N697/N403, N697/N404, N402/N697 y N700/N404
6	N1/N5, N401/N405, N271/N275, N140/N144, N8/N12, N135/N139, N266/N270, N396/N400, N669/N6, N671/N16, N673/N7, N675/N68, N677/N148, N681/N660, N685/N662, N686/N661, N682/N659, N678/N658, N689/N664, N690/N663, N693/N666, N694/N665, N697/N668 y N698/N667

Características mecánicas

Material		Ref.	Descripción	A (cm²)	Avy (cm²)	Avz (cm²)	Iyy (cm4)	Izz (cm4)	It (cm4)
Tipo	Designación								
Acero conformado	A572 50ksi	1	ESTRUC RED 6'' x 6.0mm, (Perfil estructural redondo)	30.61	27.55	27.55	1010.56	1010.56	2021.12
		2	ESTRUC RED 3'' x 4.0mm, (Perfil estructural redondo)	10.67	9.60	9.60	96.34	96.34	192.68
		3	C 160x60x15x3.0mm, Doble en cajón soldado, (Perfil C Negro Grado 50) Cordón continuo	17.19	5.70	9.20	655.15	390.31	751.71
		4	ESTRUC RED 4'' x 6.0mm, (Perfil estructural redondo)	20.41	18.37	18.37	300.21	300.21	600.42
		5	ESTRUC RED 6'' x 4.0mm, (Perfil estructural redondo)	20.66	18.59	18.59	698.36	698.36	1396.73
		6	ESTRUC RED 10'' x 9.3mm, (Perfil estructural redondo)	77.07	69.37	69.37	6712.85	6712.85	13425.69

Notación:
Ref.: Referencia
A: Área de la sección transversal
Avy: Área de cortante de la sección según el eje local 'Y'
Avz: Área de cortante de la sección según el eje local 'Z'
Iyy: Inercia de la sección alrededor del eje local 'Y'
Izz: Inercia de la sección alrededor del eje local 'Z'
It: Inercia a torsión
Las características mecánicas de las piezas corresponden a la sección en el punto medio de las mismas.

2.1.1.3. Resumen de cómputo

Resumen de cómputo

Material		Serie	Perfil	Longitud			Volumen			Peso		
Tipo	Designación			Perfil (m)	Serie (m)	Material (m)	Perfil (m³)	Serie (m³)	Material (m³)	Perfil (kg)	Serie (kg)	Material (kg)
			ESTRUC RED 6'' x 6.0mm	500.617			1.532			12029.91		
			ESTRUC RED 3'' x 4.0mm	939.147			1.002			7865.40		
			ESTRUC RED 4'' x 6.0mm	99.000			0.202			1586.48		
			ESTRUC RED 6'' x 4.0mm	75.045			0.155			1217.04		
			ESTRUC RED 10'' x 9.3mm	86.510			0.667			5234.10		
		Perfil estructural redondo			1700.318			3.558			27932.91	
			C 160x60x15x3.0mm, Doble en cajón soldado	795.608			1.368			10739.01		
		Perfil C Negro Grado 50			795.608			1.368			10739.01	
Acero conformado	A572 50ksi					2495.927			4.926			38671.93

2.2. Cargas

2.2.1. Barras

Referencias:

'P1', 'P2':

- Cargas puntuales, uniformes, en faja y momentos puntuales: 'P1' es el valor de la carga. 'P2' no se utiliza.
- Cargas trapeciales: 'P1' es el valor de la carga en el punto donde comienza (L1) y 'P2' es el valor de la carga en el punto donde termina (L2).
- Cargas triangulares: 'P1' es el valor máximo de la carga. 'P2' no se utiliza.
- Incrementos de temperatura: 'P1' y 'P2' son los valores de la temperatura en las caras exteriores o paramentos de la pieza. La orientación de la variación del incremento de temperatura sobre la sección transversal dependerá de la dirección seleccionada.

'L1', 'L2':

- Cargas y momentos puntuales: 'L1' es la distancia entre el nudo inicial de la barra y la posición donde se aplica la carga. 'L2' no se utiliza.
- Cargas trapeciales, en faja, y triangulares: 'L1' es la distancia entre el nudo inicial de la barra y la posición donde comienza la carga, 'L2' es la distancia entre el nudo inicial de la barra y la posición donde termina la carga.

Unidades:

- Cargas puntuales: kN
- Momentos puntuales: kN·m.
- Cargas uniformes, en faja, triangulares y trapeciales: kN/m.
- Incrementos de temperatura: °C.

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N13/N5	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N5/N14	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N14/N6	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N6/N15	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N15/N16	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N16/N17	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N17/N18	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N18/N19	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N19/N20	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N20/N21	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N21/N22	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N22/N23	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N23/N24	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N24/N25	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N25/N26	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N26/N27	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N27/N28	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N28/N29	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N29/N30	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N30/N31	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N31/N32	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N32/N33	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N33/N34	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N34/N35	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N35/N36	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N36/N37	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N37/N38	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N38/N39	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N39/N40	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N40/N41	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N41/N42	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N43/N42	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N44/N43	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N45/N44	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N46/N45	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N47/N46	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N48/N47	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N49/N48	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N50/N49	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N51/N50	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N52/N51	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N53/N52	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N54/N53	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N55/N54	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N56/N55	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N57/N56	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N58/N57	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N59/N58	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N60/N59	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N61/N60	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N62/N61	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N63/N62	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N64/N63	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N65/N64	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N66/N65	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N67/N66	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N68/N67	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N69/N68	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N7/N69	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N70/N7	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N12/N70	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N71/N12	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N71/N72	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N72/N73	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N73/N74	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N74/N75	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N75/N76	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N76/N77	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N77/N78	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N78/N79	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N79/N80	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N80/N81	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N81/N82	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N82/N83	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N83/N84	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N84/N85	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N85/N86	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N86/N87	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N87/N88	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N88/N89	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N89/N90	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N90/N91	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N91/N92	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N92/N93	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N93/N94	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N94/N95	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N95/N96	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N96/N97	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N97/N98	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N98/N99	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N99/N100	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N100/N101	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N101/N102	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N102/N103	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N104/N103	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N105/N104	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N106/N105	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N107/N106	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N108/N107	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N109/N108	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N110/N109	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N111/N110	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N112/N111	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N113/N112	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N114/N113	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N115/N114	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N116/N115	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N117/N116	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N118/N117	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N119/N118	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N120/N119	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N121/N120	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N122/N121	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N123/N122	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N124/N123	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N125/N124	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N126/N125	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N127/N126	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N128/N127	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N129/N128	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N130/N129	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N131/N130	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N132/N131	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N133/N132	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N134/N133	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N13/N134	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N5/N134	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N5/N132	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N6/N132	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N6/N130	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N16/N130	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N16/N128	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N18/N128	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N18/N126	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N20/N126	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N20/N124	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N22/N124	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N22/N122	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N24/N122	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N24/N120	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N26/N120	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N26/N118	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N28/N118	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N28/N116	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N30/N116	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N30/N114	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N32/N114	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N32/N112	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N34/N112	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N34/N110	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N36/N110	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N36/N108	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N38/N108	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N38/N106	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N40/N106	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N40/N104	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N42/N104	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N42/N102	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N44/N102	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N44/N100	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N46/N100	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N46/N98	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N48/N98	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N48/N96	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N50/N96	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N50/N94	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N52/N94	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N52/N92	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N54/N92	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N54/N90	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N56/N90	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N56/N88	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N58/N88	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N58/N86	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N60/N86	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N60/N84	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N62/N84	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N62/N82	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N64/N82	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N64/N80	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N66/N80	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N66/N78	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N68/N78	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N68/N76	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N7/N76	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N7/N74	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N12/N74	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N12/N72	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N12/N73	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N70/N74	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N7/N75	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N69/N76	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N68/N77	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N67/N78	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N66/N79	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N65/N80	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N64/N81	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N63/N82	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N62/N83	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N61/N84	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N60/N85	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N59/N86	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N58/N87	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N57/N88	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N56/N89	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N55/N90	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N54/N91	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N53/N92	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N52/N93	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N51/N94	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N50/N95	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N49/N96	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N48/N97	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N47/N98	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N46/N99	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N45/N100	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N44/N101	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N43/N102	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N42/N103	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N41/N104	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N40/N105	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N39/N106	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N38/N107	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N37/N108	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N36/N109	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N35/N110	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N34/N111	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N33/N112	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N32/N113	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N31/N114	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N30/N115	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N29/N116	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N28/N117	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N27/N118	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N26/N119	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N25/N120	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N24/N121	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N23/N122	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N22/N123	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N21/N124	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N20/N125	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N19/N126	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N18/N127	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N17/N128	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N16/N129	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N15/N130	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N6/N131	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N14/N132	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N5/N133	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N145/N139	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N139/N146	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N147/N148	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N148/N149	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N149/N150	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N150/N151	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N151/N152	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N152/N153	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N153/N154	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N154/N155	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N155/N156	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N156/N157	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N157/N158	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N158/N159	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N159/N160	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N160/N161	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N161/N162	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N162/N163	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N163/N164	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N164/N165	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N165/N166	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N166/N167	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N167/N168	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N168/N169	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N169/N170	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N170/N171	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N171/N172	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N172/N173	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N173/N174	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N175/N174	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N176/N175	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N177/N176	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N178/N177	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N179/N178	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N180/N179	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N181/N180	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N182/N181	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N183/N182	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N184/N183	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N185/N184	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N186/N185	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N187/N186	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N188/N187	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N189/N188	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N190/N189	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N191/N190	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N192/N191	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N193/N192	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N194/N193	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N195/N194	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N196/N195	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N197/N196	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N198/N197	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N199/N198	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N144/N201	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N202/N144	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N202/N203	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N203/N204	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N204/N205	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N205/N206	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N206/N207	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N207/N208	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N208/N209	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N209/N210	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N210/N211	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N211/N212	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N212/N213	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N213/N214	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N214/N215	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N215/N216	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N216/N217	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N217/N218	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N218/N219	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N219/N220	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N220/N221	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N221/N222	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N222/N223	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N223/N224	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N224/N225	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N225/N226	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N226/N227	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N227/N228	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N228/N229	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N229/N230	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N230/N231	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N231/N232	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N232/N233	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N233/N234	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N235/N234	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N236/N235	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N237/N236	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N238/N237	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N239/N238	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N240/N239	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N241/N240	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N242/N241	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N243/N242	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N244/N243	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N245/N244	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N246/N245	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N247/N246	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N248/N247	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N249/N248	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N250/N249	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N251/N250	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N252/N251	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N253/N252	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N254/N253	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N255/N254	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N256/N255	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N257/N256	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N258/N257	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N259/N258	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N260/N259	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N261/N260	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N262/N261	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N263/N262	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N264/N263	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N265/N264	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N145/N265	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N139/N265	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N139/N263	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N148/N261	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N148/N259	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N150/N259	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N150/N257	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N152/N257	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N152/N255	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N154/N255	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N154/N253	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N156/N253	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N156/N251	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N158/N251	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N158/N249	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N160/N249	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N160/N247	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N162/N247	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N162/N245	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N164/N245	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N164/N243	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N166/N243	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N166/N241	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N168/N241	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N168/N239	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N170/N239	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N170/N237	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N172/N237	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N172/N235	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N174/N235	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N174/N233	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N176/N233	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N176/N231	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N178/N231	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N178/N229	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N180/N229	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N180/N227	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N182/N227	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N182/N225	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N184/N225	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N184/N223	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N186/N223	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N186/N221	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N188/N221	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N188/N219	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N190/N219	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N190/N217	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N192/N217	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N192/N215	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N194/N215	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N194/N213	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N196/N213	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N196/N211	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N198/N211	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N198/N209	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N144/N205	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N144/N203	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N144/N204	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N201/N205	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N200/N207	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N199/N209	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N198/N210	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N197/N211	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N196/N212	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N195/N213	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N194/N214	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N193/N215	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N192/N216	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N191/N217	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N190/N218	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N189/N219	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N188/N220	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N187/N221	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N186/N222	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N185/N223	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N184/N224	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N183/N225	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N182/N226	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N181/N227	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N180/N228	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N179/N229	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N178/N230	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N177/N231	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N176/N232	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N175/N233	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N174/N234	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N173/N235	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N172/N236	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N171/N237	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N170/N238	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N169/N239	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N168/N240	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N167/N241	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N166/N242	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N165/N243	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N164/N244	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N163/N245	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N162/N246	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N161/N247	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N160/N248	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N159/N249	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N158/N250	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N157/N251	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N156/N252	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N155/N253	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N154/N254	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N153/N255	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N152/N256	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N151/N257	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N150/N258	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N149/N259	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N148/N260	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N147/N261	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N146/N263	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N139/N264	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N276/N270	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N270/N277	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N279/N280	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N280/N281	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N281/N282	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N282/N283	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N283/N284	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N284/N285	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N285/N286	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N286/N287	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N287/N288	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N288/N289	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N289/N290	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N290/N291	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N291/N292	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N292/N293	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N293/N294	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N294/N295	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N295/N296	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N296/N297	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N297/N298	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N298/N299	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N299/N300	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N300/N301	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N301/N302	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N302/N303	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N303/N304	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N305/N304	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N306/N305	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N307/N306	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N308/N307	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N309/N308	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N310/N309	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N311/N310	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N312/N311	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N313/N312	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N314/N313	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N315/N314	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N316/N315	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N317/N316	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N318/N317	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N319/N318	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N320/N319	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N321/N320	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N322/N321	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N323/N322	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N324/N323	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N325/N324	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N326/N325	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N327/N326	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N328/N327	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N329/N328	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N275/N331	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N332/N275	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N332/N333	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N333/N334	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N334/N335	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N335/N336	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N336/N337	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N337/N338	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N338/N339	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N339/N340	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N340/N341	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N341/N342	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N342/N343	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N343/N344	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N344/N345	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N345/N346	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N346/N347	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N347/N348	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N348/N349	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N349/N350	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N350/N351	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N351/N352	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N352/N353	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N353/N354	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N354/N355	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N355/N356	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N356/N357	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N357/N358	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N358/N359	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N359/N360	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N360/N361	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N361/N362	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N362/N363	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N363/N364	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N365/N364	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N366/N365	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N367/N366	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N368/N367	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N369/N368	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N370/N369	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N371/N370	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N372/N371	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N373/N372	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N374/N373	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N375/N374	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N376/N375	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N377/N376	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N378/N377	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N379/N378	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N380/N379	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N381/N380	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N382/N381	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N383/N382	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N384/N383	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N385/N384	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N386/N385	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N387/N386	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N388/N387	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N389/N388	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N390/N389	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N391/N390	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N392/N391	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N393/N392	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N394/N393	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N395/N394	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N276/N395	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N270/N395	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N270/N393	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N280/N389	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N280/N387	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N282/N387	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N282/N385	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N284/N385	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N284/N383	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N286/N383	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N286/N381	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N288/N381	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N288/N379	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N290/N379	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N290/N377	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N292/N377	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N292/N375	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N294/N375	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N294/N373	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N296/N373	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N296/N371	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N298/N371	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N298/N369	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N300/N369	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N300/N367	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N302/N367	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N302/N365	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N304/N365	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N304/N363	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N306/N363	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N306/N361	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N308/N361	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N308/N359	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N310/N359	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N310/N357	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N312/N357	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N312/N355	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N314/N355	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N314/N353	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N316/N353	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N316/N351	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N318/N351	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N318/N349	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N320/N349	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N320/N347	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N322/N347	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N322/N345	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N324/N345	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N324/N343	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N326/N343	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N326/N341	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N328/N341	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N328/N339	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N275/N335	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N275/N333	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N275/N334	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N331/N335	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N330/N337	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N329/N339	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N328/N340	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N327/N341	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N326/N342	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N325/N343	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N324/N344	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N323/N345	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N322/N346	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N321/N347	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N320/N348	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N319/N349	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N318/N350	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N317/N351	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N316/N352	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N315/N353	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N314/N354	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N313/N355	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N312/N356	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N311/N357	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N310/N358	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N309/N359	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N308/N360	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N307/N361	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N306/N362	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N305/N363	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N304/N364	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N303/N365	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N302/N366	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N301/N367	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N300/N368	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N299/N369	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N298/N370	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N297/N371	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N296/N372	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N295/N373	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N294/N374	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N293/N375	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N292/N376	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N291/N377	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N290/N378	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N289/N379	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N288/N380	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N287/N381	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N286/N382	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N285/N383	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N284/N384	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N283/N385	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N282/N386	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N281/N387	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N280/N388	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N279/N389	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N278/N391	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N277/N393	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N270/N394	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N406/N400	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N400/N407	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N409/N410	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N410/N411	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N411/N412	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N412/N413	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N413/N414	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N414/N415	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N415/N416	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N416/N417	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N417/N418	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N418/N419	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N419/N420	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N420/N421	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N421/N422	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N422/N423	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N423/N424	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N424/N425	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N425/N426	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N426/N427	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N427/N428	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N428/N429	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N429/N430	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N430/N431	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N431/N432	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N432/N433	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N433/N434	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N435/N434	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N436/N435	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N437/N436	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N438/N437	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N439/N438	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N440/N439	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N441/N440	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N442/N441	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N443/N442	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N444/N443	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N445/N444	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N446/N445	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N447/N446	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N448/N447	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N449/N448	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N450/N449	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N451/N450	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N452/N451	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N453/N452	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N454/N453	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N455/N454	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N456/N455	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N457/N456	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N458/N457	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N459/N458	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N405/N461	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N462/N405	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N462/N463	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N463/N464	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N464/N465	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N465/N466	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N466/N467	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N467/N468	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N468/N469	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N469/N470	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N470/N471	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N471/N472	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N472/N473	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N473/N474	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N474/N475	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N475/N476	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N476/N477	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N477/N478	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N478/N479	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N479/N480	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N480/N481	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N481/N482	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N482/N483	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N483/N484	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N484/N485	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N485/N486	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N486/N487	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N487/N488	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N488/N489	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N489/N490	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N490/N491	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N491/N492	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N492/N493	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N493/N494	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N495/N494	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N496/N495	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N497/N496	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N498/N497	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N499/N498	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N500/N499	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N501/N500	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N502/N501	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N503/N502	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N504/N503	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N505/N504	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N506/N505	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N507/N506	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N508/N507	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N509/N508	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N510/N509	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N511/N510	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N512/N511	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N513/N512	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N514/N513	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N515/N514	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N516/N515	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N517/N516	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N518/N517	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N519/N518	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N520/N519	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N521/N520	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N522/N521	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N523/N522	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N524/N523	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N525/N524	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N406/N525	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N400/N525	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N400/N523	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N410/N519	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N410/N517	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N412/N517	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N412/N515	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N414/N515	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N414/N513	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N416/N513	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N416/N511	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N418/N511	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N418/N509	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N420/N509	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N420/N507	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N422/N507	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N422/N505	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N424/N505	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N424/N503	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N426/N503	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N426/N501	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N428/N501	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N428/N499	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N430/N499	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N430/N497	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N432/N497	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N432/N495	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N434/N495	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N434/N493	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N436/N493	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N436/N491	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N438/N491	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N438/N489	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N440/N489	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N440/N487	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N442/N487	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N442/N485	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N444/N485	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N444/N483	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N446/N483	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N446/N481	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N448/N481	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N448/N479	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N450/N479	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N450/N477	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N452/N477	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N452/N475	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N454/N475	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N454/N473	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N456/N473	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N456/N471	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N458/N471	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N458/N469	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N405/N465	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N405/N463	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N405/N464	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N461/N465	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N460/N467	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N459/N469	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N458/N470	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N457/N471	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N456/N472	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N455/N473	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N454/N474	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N453/N475	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N452/N476	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N451/N477	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N450/N478	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N449/N479	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N448/N480	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N447/N481	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N446/N482	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N445/N483	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N444/N484	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N443/N485	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N442/N486	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N441/N487	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N440/N488	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N439/N489	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N438/N490	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N437/N491	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N436/N492	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N435/N493	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N434/N494	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N433/N495	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N432/N496	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N431/N497	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N430/N498	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N429/N499	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N428/N500	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N427/N501	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N426/N502	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N425/N503	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N424/N504	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N423/N505	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N422/N506	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N421/N507	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N420/N508	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N419/N509	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N418/N510	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N417/N511	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N416/N512	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N415/N513	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N414/N514	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N413/N515	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N412/N516	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N411/N517	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N410/N518	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N409/N519	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N408/N521	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N407/N523	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N400/N524	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N72/N203	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N72/N203	CM 1	Uniforme	0.170	-	-	-	Globales	0.000	0.000	-1.000
N72/N203	Q 1	Uniforme	0.472	-	-	-	Globales	0.000	0.000	-1.000
N72/N203	V 1	Uniforme	0.472	-	-	-	Globales	-0.179	0.000	-0.984
N72/N203	V 2	Uniforme	0.472	-	-	-	Globales	0.179	-0.000	0.984
N203/N333	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N203/N333	CM 1	Uniforme	0.170	-	-	-	Globales	0.000	0.000	-1.000
N203/N333	Q 1	Uniforme	0.472	-	-	-	Globales	0.000	0.000	-1.000
N203/N333	V 1	Uniforme	0.472	-	-	-	Globales	-0.179	0.000	-0.984
N203/N333	V 2	Uniforme	0.472	-	-	-	Globales	0.179	-0.000	0.984
N333/N463	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N333/N463	CM 1	Uniforme	0.170	-	-	-	Globales	0.000	0.000	-1.000
N333/N463	Q 1	Uniforme	0.472	-	-	-	Globales	0.000	0.000	-1.000
N333/N463	V 1	Uniforme	0.472	-	-	-	Globales	-0.179	0.000	-0.984
N333/N463	V 2	Uniforme	0.472	-	-	-	Globales	0.179	-0.000	0.984
N134/N265	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N134/N265	CM 1	Uniforme	0.171	-	-	-	Globales	0.000	0.000	-1.000
N134/N265	Q 1	Uniforme	0.476	-	-	-	Globales	0.000	0.000	-1.000
N134/N265	V 1	Uniforme	0.476	-	-	-	Globales	0.166	-0.000	-0.986
N134/N265	V 2	Uniforme	0.476	-	-	-	Globales	-0.166	0.000	0.986
N265/N395	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N265/N395	CM 1	Uniforme	0.171	-	-	-	Globales	0.000	0.000	-1.000
N265/N395	Q 1	Uniforme	0.476	-	-	-	Globales	0.000	0.000	-1.000
N265/N395	V 1	Uniforme	0.476	-	-	-	Globales	0.166	-0.000	-0.986
N265/N395	V 2	Uniforme	0.476	-	-	-	Globales	-0.166	0.000	0.986
N395/N525	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N395/N525	CM 1	Uniforme	0.171	-	-	-	Globales	0.000	0.000	-1.000
N395/N525	Q 1	Uniforme	0.476	-	-	-	Globales	0.000	0.000	-1.000
N395/N525	V 1	Uniforme	0.476	-	-	-	Globales	0.166	-0.000	-0.986
N395/N525	V 2	Uniforme	0.476	-	-	-	Globales	-0.166	0.000	0.986
N553/N552	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N553/N552	CM 1	Triangular Izq.	0.031	-	0.000	2.029	Globales	0.000	0.000	-1.000
N553/N552	Q 1	Triangular Izq.	0.086	-	0.000	2.029	Globales	0.000	0.000	-1.000
N553/N552	V 1	Triangular Izq.	0.086	-	0.000	2.029	Globales	-0.259	-0.000	-0.966
N553/N552	V 2	Triangular Izq.	0.086	-	0.000	2.029	Globales	0.259	0.000	0.966
N552/N551	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N552/N551	CM 1	Uniforme	0.013	-	-	-	Globales	0.000	0.000	-1.000
N552/N551	Q 1	Uniforme	0.037	-	-	-	Globales	0.000	0.000	-1.000
N552/N551	V 1	Uniforme	0.037	-	-	-	Globales	-0.307	0.000	-0.952
N552/N551	V 2	Uniforme	0.037	-	-	-	Globales	0.307	-0.000	0.952
N551/N550	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N551/N550	CM 1	Uniforme	0.011	-	-	-	Globales	0.000	0.000	-1.000
N551/N550	Q 1	Uniforme	0.031	-	-	-	Globales	0.000	0.000	-1.000
N551/N550	V 1	Uniforme	0.031	-	-	-	Globales	-0.354	-0.000	-0.935
N551/N550	V 2	Uniforme	0.031	-	-	-	Globales	0.354	0.000	0.935
N550/N549	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N550/N549	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N550/N549	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N550/N549	V 1	Uniforme	0.025	-	-	-	Globales	-0.401	0.000	-0.916
N550/N549	V 2	Uniforme	0.025	-	-	-	Globales	0.401	-0.000	0.916
N549/N548	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N549/N548	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N549/N548	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N549/N548	V 1	Uniforme	0.025	-	-	-	Globales	-0.446	-0.000	-0.895
N549/N548	V 2	Uniforme	0.025	-	-	-	Globales	0.446	0.000	0.895
N548/N547	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N548/N547	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N548/N547	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N548/N547	V 1	Uniforme	0.025	-	-	-	Globales	-0.490	0.000	-0.872
N548/N547	V 2	Uniforme	0.025	-	-	-	Globales	0.490	-0.000	0.872
N547/N545	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N545/N544	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N545/N544	CM 1	Uniforme	0.007	-	-	-	Globales	0.000	0.000	-1.000
N545/N544	Q 1	Uniforme	0.019	-	-	-	Globales	0.000	0.000	-1.000
N545/N544	V 1	Uniforme	0.019	-	-	-	Globales	-0.363	-0.000	-0.932
N545/N544	V 2	Uniforme	0.019	-	-	-	Globales	0.363	0.000	0.932
N544/N543	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N543/N542	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N542/N541	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N541/N540	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N539/N540	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N538/N539	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N537/N538	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N536/N537	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N535/N536	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N534/N535	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N534/N535	CM 1	Uniforme	0.007	-	-	-	Globales	0.000	0.000	-1.000
N534/N535	Q 1	Uniforme	0.019	-	-	-	Globales	0.000	0.000	-1.000
N534/N535	V 1	Uniforme	0.019	-	-	-	Globales	0.363	0.000	-0.932
N534/N535	V 2	Uniforme	0.019	-	-	-	Globales	-0.363	-0.000	0.932
N533/N534	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N533/N534	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N533/N534	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N533/N534	V 1	Uniforme	0.025	-	-	-	Globales	0.446	0.000	-0.895
N533/N534	V 2	Uniforme	0.025	-	-	-	Globales	-0.446	-0.000	0.895
N532/N533	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N532/N533	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N532/N533	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N532/N533	V 1	Uniforme	0.025	-	-	-	Globales	0.478	-0.000	-0.878
N532/N533	V 2	Uniforme	0.025	-	-	-	Globales	-0.478	0.000	0.878
N531/N532	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N531/N532	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N531/N532	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N531/N532	V 1	Uniforme	0.025	-	-	-	Globales	0.490	-0.000	-0.872
N531/N532	V 2	Uniforme	0.025	-	-	-	Globales	-0.490	0.000	0.872
N530/N531	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N530/N531	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N530/N531	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N530/N531	V 1	Uniforme	0.025	-	-	-	Globales	0.446	-0.000	-0.895
N530/N531	V 2	Uniforme	0.025	-	-	-	Globales	-0.446	0.000	0.895
N529/N530	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N529/N530	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N529/N530	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N529/N530	V 1	Uniforme	0.025	-	-	-	Globales	0.401	-0.000	-0.916
N529/N530	V 2	Uniforme	0.025	-	-	-	Globales	-0.401	0.000	0.916
N528/N529	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N528/N529	CM 1	Uniforme	0.011	-	-	-	Globales	0.000	0.000	-1.000
N528/N529	Q 1	Uniforme	0.031	-	-	-	Globales	0.000	0.000	-1.000
N528/N529	V 1	Uniforme	0.031	-	-	-	Globales	0.354	-0.000	-0.935
N528/N529	V 2	Uniforme	0.031	-	-	-	Globales	-0.354	0.000	0.935
N527/N528	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N527/N528	CM 1	Triangular Izq.	0.027	-	0.000	2.022	Globales	0.000	0.000	-1.000
N527/N528	Q 1	Triangular Izq.	0.074	-	0.000	2.022	Globales	0.000	0.000	-1.000
N527/N528	V 1	Triangular Izq.	0.074	-	0.000	2.022	Globales	0.307	-0.000	-0.952
N527/N528	V 2	Triangular Izq.	0.074	-	0.000	2.022	Globales	-0.307	0.000	0.952
N526/N527	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N526/N527	CM 1	Triangular Izq.	0.031	-	0.000	2.029	Globales	0.000	0.000	-1.000
N526/N527	Q 1	Triangular Izq.	0.086	-	0.000	2.029	Globales	0.000	0.000	-1.000
N526/N527	V 1	Triangular Izq.	0.086	-	0.000	2.029	Globales	0.259	-0.000	-0.966
N526/N527	V 2	Triangular Izq.	0.086	-	0.000	2.029	Globales	-0.259	0.000	0.966
N554/N555	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N554/N555	CM 1	Triangular Izq.	0.031	-	0.000	2.029	Globales	0.000	0.000	-1.000
N554/N555	Q 1	Triangular Izq.	0.086	-	0.000	2.029	Globales	0.000	0.000	-1.000
N554/N555	V 1	Triangular Izq.	0.086	-	0.000	2.029	Globales	-0.259	0.000	-0.966
N554/N555	V 2	Triangular Izq.	0.086	-	0.000	2.029	Globales	0.259	-0.000	0.966
N555/N556	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N555/N556	CM 1	Triangular Izq.	0.027	-	0.000	2.022	Globales	0.000	0.000	-1.000
N555/N556	Q 1	Triangular Izq.	0.074	-	0.000	2.022	Globales	0.000	0.000	-1.000
N555/N556	V 1	Triangular Izq.	0.074	-	0.000	2.022	Globales	-0.307	-0.000	-0.952
N555/N556	V 2	Triangular Izq.	0.074	-	0.000	2.022	Globales	0.307	0.000	0.952
N556/N557	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N556/N557	CM 1	Uniforme	0.011	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N556/N557	Q 1	Uniforme	0.031	-	-	-	Globales	0.000	0.000	-1.000
N556/N557	V 1	Uniforme	0.031	-	-	-	Globales	-0.354	-0.000	-0.935
N556/N557	V 2	Uniforme	0.031	-	-	-	Globales	0.354	0.000	0.935
N557/N558	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N557/N558	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N557/N558	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N557/N558	V 1	Uniforme	0.025	-	-	-	Globales	-0.401	-0.000	-0.916
N557/N558	V 2	Uniforme	0.025	-	-	-	Globales	0.401	0.000	0.916
N558/N559	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N558/N559	CM 1	Trapecial	0.394	0.430	0.000	2.010	Globales	0.000	0.000	-1.000
N558/N559	Q 1	Trapecial	1.095	1.194	0.000	2.010	Globales	0.000	0.000	-1.000
N558/N559	V 1	Trapecial	1.095	1.194	0.000	2.010	Globales	-0.446	-0.000	-0.895
N558/N559	V 2	Trapecial	1.095	1.194	0.000	2.010	Globales	0.446	0.000	0.895
N559/N560	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N559/N560	CM 1	Trapecial	0.430	0.466	0.000	2.010	Globales	0.000	0.000	-1.000
N559/N560	Q 1	Trapecial	1.194	1.294	0.000	2.010	Globales	0.000	0.000	-1.000
N559/N560	V 1	Trapecial	1.194	1.294	0.000	2.010	Globales	-0.490	0.000	-0.872
N559/N560	V 2	Trapecial	1.194	1.294	0.000	2.010	Globales	0.490	-0.000	0.872
N560/N561	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N561/N562	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N561/N562	CM 1	Uniforme	0.007	-	-	-	Globales	0.000	0.000	-1.000
N561/N562	Q 1	Uniforme	0.019	-	-	-	Globales	0.000	0.000	-1.000
N561/N562	V 1	Uniforme	0.019	-	-	-	Globales	-0.363	-0.000	-0.932
N561/N562	V 2	Uniforme	0.019	-	-	-	Globales	0.363	0.000	0.932
N562/N563	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N563/N564	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N564/N565	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N564/N565	CM 1	Uniforme	0.567	-	-	-	Globales	0.000	0.000	-1.000
N564/N565	Q 1	Uniforme	1.575	-	-	-	Globales	0.000	0.000	-1.000
N564/N565	V 1	Uniforme	1.575	-	-	-	Globales	-0.153	0.000	-0.988
N564/N565	V 2	Uniforme	1.575	-	-	-	Globales	0.153	-0.000	0.988
N565/N566	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N567/N566	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N568/N567	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N569/N568	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N570/N569	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N571/N570	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N572/N571	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N572/N571	CM 1	Uniforme	0.007	-	-	-	Globales	0.000	0.000	-1.000
N572/N571	Q 1	Uniforme	0.019	-	-	-	Globales	0.000	0.000	-1.000
N572/N571	V 1	Uniforme	0.019	-	-	-	Globales	0.363	0.000	-0.932
N572/N571	V 2	Uniforme	0.019	-	-	-	Globales	-0.363	-0.000	0.932
N573/N572	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N573/N572	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N573/N572	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N573/N572	V 1	Uniforme	0.025	-	-	-	Globales	0.446	0.000	-0.895
N573/N572	V 2	Uniforme	0.025	-	-	-	Globales	-0.446	-0.000	0.895
N574/N573	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N574/N573	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N574/N573	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N574/N573	V 1	Uniforme	0.025	-	-	-	Globales	0.478	0.000	-0.878
N574/N573	V 2	Uniforme	0.025	-	-	-	Globales	-0.478	-0.000	0.878
N575/N574	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N575/N574	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N575/N574	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N575/N574	V 1	Uniforme	0.025	-	-	-	Globales	0.490	0.000	-0.872
N575/N574	V 2	Uniforme	0.025	-	-	-	Globales	-0.490	-0.000	0.872
N576/N575	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N576/N575	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N576/N575	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N576/N575	V 1	Uniforme	0.025	-	-	-	Globales	0.446	0.000	-0.895
N576/N575	V 2	Uniforme	0.025	-	-	-	Globales	-0.446	-0.000	0.895
N577/N576	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N577/N576	CM 1	Uniforme	0.009	-	-	-	Globales	0.000	0.000	-1.000
N577/N576	Q 1	Uniforme	0.025	-	-	-	Globales	0.000	0.000	-1.000
N577/N576	V 1	Uniforme	0.025	-	-	-	Globales	0.401	0.000	-0.916
N577/N576	V 2	Uniforme	0.025	-	-	-	Globales	-0.401	-0.000	0.916
N578/N577	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N578/N577	CM 1	Uniforme	0.011	-	-	-	Globales	0.000	0.000	-1.000
N578/N577	Q 1	Uniforme	0.031	-	-	-	Globales	0.000	0.000	-1.000
N578/N577	V 1	Uniforme	0.031	-	-	-	Globales	0.354	-0.000	-0.935
N578/N577	V 2	Uniforme	0.031	-	-	-	Globales	-0.354	0.000	0.935
N579/N578	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N579/N578	CM 1	Uniforme	0.013	-	-	-	Globales	0.000	0.000	-1.000
N579/N578	Q 1	Uniforme	0.037	-	-	-	Globales	0.000	0.000	-1.000
N579/N578	V 1	Uniforme	0.037	-	-	-	Globales	0.307	-0.000	-0.952
N579/N578	V 2	Uniforme	0.037	-	-	-	Globales	-0.307	0.000	0.952
N580/N579	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N580/N579	CM 1	Triangular Izq.	0.031	-	0.000	2.029	Globales	0.000	0.000	-1.000
N580/N579	Q 1	Triangular Izq.	0.086	-	0.000	2.029	Globales	0.000	0.000	-1.000
N580/N579	V 1	Triangular Izq.	0.086	-	0.000	2.029	Globales	0.259	0.000	-0.966
N580/N579	V 2	Triangular Izq.	0.086	-	0.000	2.029	Globales	-0.259	-0.000	0.966
N582/N554	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N582/N554	CM 1	Triangular Izq.	0.043	-	0.000	1.911	Globales	0.000	0.000	-1.000
N582/N554	Q 1	Triangular Izq.	0.121	-	0.000	1.911	Globales	0.000	0.000	-1.000
N582/N554	V 1	Triangular Izq.	0.121	-	0.000	1.911	Globales	-0.212	0.000	-0.977
N582/N554	V 2	Triangular Izq.	0.121	-	0.000	1.911	Globales	0.212	-0.000	0.977
N463/N582	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N463/N582	CM 1	Triangular Izq.	0.051	-	0.000	1.981	Globales	0.000	0.000	-1.000
N463/N582	Q 1	Triangular Izq.	0.143	-	0.000	1.981	Globales	0.000	0.000	-1.000
N463/N582	V 1	Triangular Izq.	0.143	-	0.000	1.981	Globales	-0.179	-0.000	-0.984
N463/N582	V 2	Triangular Izq.	0.143	-	0.000	1.981	Globales	0.179	0.000	0.984
N583/N553	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N583/N553	CM 1	Triangular Izq.	0.043	-	0.000	1.911	Globales	0.000	0.000	-1.000
N583/N553	Q 1	Triangular Izq.	0.121	-	0.000	1.911	Globales	0.000	0.000	-1.000
N583/N553	V 1	Triangular Izq.	0.121	-	0.000	1.911	Globales	-0.212	0.000	-0.977
N583/N553	V 2	Triangular Izq.	0.121	-	0.000	1.911	Globales	0.212	-0.000	0.977
N72/N583	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N72/N583	CM 1	Triangular Izq.	0.051	-	0.000	1.981	Globales	0.000	0.000	-1.000
N72/N583	Q 1	Triangular Izq.	0.143	-	0.000	1.981	Globales	0.000	0.000	-1.000
N72/N583	V 1	Triangular Izq.	0.143	-	0.000	1.981	Globales	-0.179	0.000	-0.984
N72/N583	V 2	Triangular Izq.	0.143	-	0.000	1.981	Globales	0.179	-0.000	0.984
N584/N580	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N584/N580	CM 1	Triangular Izq.	0.043	-	0.000	1.911	Globales	0.000	0.000	-1.000
N584/N580	Q 1	Triangular Izq.	0.121	-	0.000	1.911	Globales	0.000	0.000	-1.000
N584/N580	V 1	Triangular Izq.	0.121	-	0.000	1.911	Globales	0.212	0.000	-0.977
N584/N580	V 2	Triangular Izq.	0.121	-	0.000	1.911	Globales	-0.212	-0.000	0.977
N525/N584	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N525/N584	CM 1	Triangular Izq.	0.052	-	0.000	1.997	Globales	0.000	0.000	-1.000
N525/N584	Q 1	Triangular Izq.	0.143	-	0.000	1.997	Globales	0.000	0.000	-1.000
N525/N584	V 1	Triangular Izq.	0.143	-	0.000	1.997	Globales	0.166	-0.000	-0.986
N525/N584	V 2	Triangular Izq.	0.143	-	0.000	1.997	Globales	-0.166	0.000	0.986
N585/N526	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N585/N526	CM 1	Triangular Izq.	0.043	-	0.000	1.911	Globales	0.000	0.000	-1.000
N585/N526	Q 1	Triangular Izq.	0.121	-	0.000	1.911	Globales	0.000	0.000	-1.000
N585/N526	V 1	Triangular Izq.	0.121	-	0.000	1.911	Globales	0.212	-0.000	-0.977
N585/N526	V 2	Triangular Izq.	0.121	-	0.000	1.911	Globales	-0.212	0.000	0.977
N134/N585	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N134/N585	CM 1	Triangular Izq.	0.052	-	0.000	1.997	Globales	0.000	0.000	-1.000
N134/N585	Q 1	Triangular Izq.	0.143	-	0.000	1.997	Globales	0.000	0.000	-1.000
N134/N585	V 1	Triangular Izq.	0.143	-	0.000	1.997	Globales	0.166	0.000	-0.986
N134/N585	V 2	Triangular Izq.	0.143	-	0.000	1.997	Globales	-0.166	-0.000	0.986
N583/N74	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N583/N74	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N583/N74	CM 1	Triangular Der.	0.170	-	0.000	0.600	Globales	0.000	0.000	-1.000
N583/N74	Q 1	Triangular Der.	0.472	-	0.000	0.600	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N583/N74	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N583/N74	V 1	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	-0.977
N583/N74	V 1	Triangular Der.	0.472	-	0.000	0.600	Globales	-0.179	0.000	-0.984
N583/N74	V 2	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	0.977
N583/N74	V 2	Triangular Der.	0.472	-	0.000	0.600	Globales	0.179	-0.000	0.984
N74/N205	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N74/N205	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N74/N205	CM 1	Uniforme	0.170	-	-	-	Globales	0.000	0.000	-1.000
N74/N205	Q 1	Uniforme	0.472	-	-	-	Globales	0.000	0.000	-1.000
N74/N205	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N74/N205	V 1	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	-0.977
N74/N205	V 1	Uniforme	0.472	-	-	-	Globales	-0.179	0.000	-0.984
N74/N205	V 2	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	0.977
N74/N205	V 2	Uniforme	0.472	-	-	-	Globales	0.179	-0.000	0.984
N205/N335	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N205/N335	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N205/N335	CM 1	Uniforme	0.170	-	-	-	Globales	0.000	0.000	-1.000
N205/N335	Q 1	Uniforme	0.472	-	-	-	Globales	0.000	0.000	-1.000
N205/N335	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N205/N335	V 1	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	-0.977
N205/N335	V 1	Uniforme	0.472	-	-	-	Globales	-0.179	0.000	-0.984
N205/N335	V 2	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	0.977
N205/N335	V 2	Uniforme	0.472	-	-	-	Globales	0.179	-0.000	0.984
N335/N465	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N335/N465	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N335/N465	CM 1	Uniforme	0.170	-	-	-	Globales	0.000	0.000	-1.000
N335/N465	Q 1	Uniforme	0.472	-	-	-	Globales	0.000	0.000	-1.000
N335/N465	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N335/N465	V 1	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	-0.977
N335/N465	V 1	Uniforme	0.472	-	-	-	Globales	-0.179	0.000	-0.984
N335/N465	V 2	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	0.977
N335/N465	V 2	Uniforme	0.472	-	-	-	Globales	0.179	-0.000	0.984
N465/N582	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N465/N582	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N465/N582	CM 1	Triangular Izq.	0.170	-	0.000	0.600	Globales	0.000	0.000	-1.000
N465/N582	Q 1	Triangular Izq.	0.472	-	0.000	0.600	Globales	0.000	0.000	-1.000
N465/N582	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N465/N582	V 1	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	-0.977
N465/N582	V 1	Triangular Izq.	0.472	-	0.000	0.600	Globales	-0.179	-0.000	-0.984
N465/N582	V 2	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	0.977
N465/N582	V 2	Triangular Izq.	0.472	-	0.000	0.600	Globales	0.179	0.000	0.984
N523/N584	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N523/N584	CM 1	Triangular Izq.	0.171	-	0.000	0.600	Globales	0.000	0.000	-1.000
N523/N584	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N523/N584	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N523/N584	Q 1	Triangular Izq.	0.476	-	0.000	0.600	Globales	0.000	0.000	-1.000
N523/N584	V 1	Triangular Izq.	0.476	-	0.000	0.600	Globales	0.166	-0.000	-0.986
N523/N584	V 1	Uniforme	0.461	-	-	-	Globales	0.212	0.000	-0.977
N523/N584	V 2	Triangular Izq.	0.476	-	0.000	0.600	Globales	-0.166	0.000	0.986
N523/N584	V 2	Uniforme	0.461	-	-	-	Globales	-0.212	-0.000	0.977
N585/N132	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N585/N132	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N585/N132	CM 1	Triangular Der.	0.171	-	0.000	0.600	Globales	0.000	0.000	-1.000
N585/N132	Q 1	Triangular Der.	0.476	-	0.000	0.600	Globales	0.000	0.000	-1.000
N585/N132	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N585/N132	V 1	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	-0.977
N585/N132	V 1	Triangular Der.	0.476	-	0.000	0.600	Globales	0.166	0.000	-0.986
N585/N132	V 2	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	0.977
N585/N132	V 2	Triangular Der.	0.476	-	0.000	0.600	Globales	-0.166	-0.000	0.986
N132/N263	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N132/N263	CM 1	Uniforme	0.171	-	-	-	Globales	0.000	0.000	-1.000
N132/N263	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N132/N263	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N132/N263	Q 1	Uniforme	0.476	-	-	-	Globales	0.000	0.000	-1.000
N132/N263	V 1	Uniforme	0.476	-	-	-	Globales	0.166	-0.000	-0.986
N132/N263	V 1	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	-0.977
N132/N263	V 2	Uniforme	0.476	-	-	-	Globales	-0.166	0.000	0.986
N132/N263	V 2	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	0.977
N263/N393	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N263/N393	CM 1	Uniforme	0.171	-	-	-	Globales	0.000	0.000	-1.000
N263/N393	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N263/N393	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N263/N393	Q 1	Uniforme	0.476	-	-	-	Globales	0.000	0.000	-1.000
N263/N393	V 1	Uniforme	0.476	-	-	-	Globales	0.166	-0.000	-0.986
N263/N393	V 1	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	-0.977
N263/N393	V 2	Uniforme	0.476	-	-	-	Globales	-0.166	0.000	0.986
N263/N393	V 2	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	0.977
N393/N523	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N393/N523	CM 1	Uniforme	0.171	-	-	-	Globales	0.000	0.000	-1.000
N393/N523	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N393/N523	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N393/N523	Q 1	Uniforme	0.476	-	-	-	Globales	0.000	0.000	-1.000
N393/N523	V 1	Uniforme	0.476	-	-	-	Globales	0.166	-0.000	-0.986
N393/N523	V 1	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	-0.977
N393/N523	V 2	Uniforme	0.476	-	-	-	Globales	-0.166	0.000	0.986
N393/N523	V 2	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	0.977
N526/N130	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N526/N130	CM 1	Triangular Der.	0.166	-	0.000	0.500	Globales	0.000	0.000	-1.000
N526/N130	CM 1	Faja	0.166	-	0.500	1.100	Globales	0.000	0.000	-1.000
N526/N130	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N526/N130	Q 1	Faja	0.461	-	0.500	1.100	Globales	0.000	0.000	-1.000
N526/N130	Q 1	Triangular Der.	0.461	-	0.000	0.500	Globales	0.000	0.000	-1.000
N526/N130	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N526/N130	V 1	Triangular Der.	0.461	-	0.000	0.500	Globales	0.212	-0.000	-0.977
N526/N130	V 1	Uniforme	0.500	-	-	-	Globales	0.259	-0.000	-0.966
N526/N130	V 1	Faja	0.461	-	0.500	1.100	Globales	0.212	-0.000	-0.977
N526/N130	V 2	Triangular Der.	0.461	-	0.000	0.500	Globales	-0.212	0.000	0.977
N526/N130	V 2	Faja	0.461	-	0.500	1.100	Globales	-0.212	0.000	0.977
N526/N130	V 2	Uniforme	0.500	-	-	-	Globales	-0.259	0.000	0.966
N130/N261	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N130/N261	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N130/N261	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N130/N261	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N130/N261	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N130/N261	V 1	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	-0.977
N130/N261	V 1	Uniforme	0.500	-	-	-	Globales	0.259	-0.000	-0.966
N130/N261	V 2	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	0.977
N130/N261	V 2	Uniforme	0.500	-	-	-	Globales	-0.259	0.000	0.966
N261/N391	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N261/N391	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N261/N391	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N261/N391	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N261/N391	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N261/N391	V 1	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	-0.977
N261/N391	V 1	Uniforme	0.500	-	-	-	Globales	0.259	-0.000	-0.966
N261/N391	V 2	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	0.977
N261/N391	V 2	Uniforme	0.500	-	-	-	Globales	-0.259	0.000	0.966
N391/N521	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N391/N521	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N391/N521	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N391/N521	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N391/N521	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N391/N521	V 1	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	-0.977
N391/N521	V 1	Uniforme	0.500	-	-	-	Globales	0.259	-0.000	-0.966
N391/N521	V 2	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	0.977
N391/N521	V 2	Uniforme	0.500	-	-	-	Globales	-0.259	0.000	0.966

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N521/N580	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N521/N580	CM 1	Faja	0.166	-	0.000	0.600	Globales	0.000	0.000	-1.000
N521/N580	CM 1	Triangular Izq.	0.166	-	0.600	1.100	Globales	0.000	0.000	-1.000
N521/N580	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N521/N580	Q 1	Triangular Izq.	0.461	-	0.600	1.100	Globales	0.000	0.000	-1.000
N521/N580	Q 1	Faja	0.461	-	0.000	0.600	Globales	0.000	0.000	-1.000
N521/N580	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N521/N580	V 1	Faja	0.461	-	0.000	0.600	Globales	0.212	0.000	-0.977
N521/N580	V 1	Uniforme	0.500	-	-	-	Globales	0.259	0.000	-0.966
N521/N580	V 1	Triangular Izq.	0.461	-	0.600	1.100	Globales	0.212	0.000	-0.977
N521/N580	V 2	Faja	0.461	-	0.000	0.600	Globales	-0.212	-0.000	0.977
N521/N580	V 2	Triangular Izq.	0.461	-	0.600	1.100	Globales	-0.212	-0.000	0.977
N521/N580	V 2	Uniforme	0.500	-	-	-	Globales	-0.259	-0.000	0.966
N527/N128	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N527/N128	CM 1	Triangular Der.	0.180	-	0.000	0.350	Globales	0.000	0.000	-1.000
N527/N128	CM 1	Faja	0.180	-	0.350	1.450	Globales	0.000	0.000	-1.000
N527/N128	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N527/N128	Q 1	Faja	0.500	-	0.350	1.450	Globales	0.000	0.000	-1.000
N527/N128	Q 1	Triangular Der.	0.500	-	0.000	0.350	Globales	0.000	0.000	-1.000
N527/N128	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N527/N128	V 1	Triangular Der.	0.500	-	0.000	0.350	Globales	0.259	-0.000	-0.966
N527/N128	V 1	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	-0.952
N527/N128	V 1	Faja	0.500	-	0.350	1.450	Globales	0.259	-0.000	-0.966
N527/N128	V 2	Triangular Der.	0.500	-	0.000	0.350	Globales	-0.259	0.000	0.966
N527/N128	V 2	Faja	0.500	-	0.350	1.450	Globales	-0.259	0.000	0.966
N527/N128	V 2	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	0.952
N128/N259	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N128/N259	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N128/N259	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N128/N259	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N128/N259	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N128/N259	V 1	Uniforme	0.500	-	-	-	Globales	0.259	-0.000	-0.966
N128/N259	V 1	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	-0.952
N128/N259	V 2	Uniforme	0.500	-	-	-	Globales	-0.259	0.000	0.966
N128/N259	V 2	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	0.952
N259/N389	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N259/N389	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N259/N389	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N259/N389	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N259/N389	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N259/N389	V 1	Uniforme	0.500	-	-	-	Globales	0.259	-0.000	-0.966
N259/N389	V 1	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	-0.952
N259/N389	V 2	Uniforme	0.500	-	-	-	Globales	-0.259	0.000	0.966
N259/N389	V 2	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	0.952
N389/N519	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N389/N519	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N389/N519	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N389/N519	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N389/N519	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N389/N519	V 1	Uniforme	0.500	-	-	-	Globales	0.259	-0.000	-0.966
N389/N519	V 1	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	-0.952
N389/N519	V 2	Uniforme	0.500	-	-	-	Globales	-0.259	0.000	0.966
N389/N519	V 2	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	0.952
N519/N579	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N519/N579	CM 1	Faja	0.180	-	0.000	1.100	Globales	0.000	0.000	-1.000
N519/N579	CM 1	Triangular Izq.	0.180	-	1.100	1.450	Globales	0.000	0.000	-1.000
N519/N579	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N519/N579	Q 1	Triangular Izq.	0.500	-	1.100	1.450	Globales	0.000	0.000	-1.000
N519/N579	Q 1	Faja	0.500	-	0.000	1.100	Globales	0.000	0.000	-1.000
N519/N579	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N519/N579	V 1	Faja	0.500	-	0.000	1.100	Globales	0.259	0.000	-0.966
N519/N579	V 1	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	-0.952
N519/N579	V 1	Triangular Izq.	0.500	-	1.100	1.450	Globales	0.259	0.000	-0.966

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N519/N579	V 2	Faja	0.500	-	0.000	1.100	Globales	-0.259	-0.000	0.966
N519/N579	V 2	Triangular Izq.	0.500	-	1.100	1.450	Globales	-0.259	-0.000	0.966
N519/N579	V 2	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	0.952
N529/N124	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N529/N124	CM 1	Faja	0.090	-	0.000	0.250	Globales	0.000	0.000	-1.000
N529/N124	CM 1	Faja	0.180	-	0.250	2.000	Globales	0.000	0.000	-1.000
N529/N124	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N529/N124	Q 1	Faja	0.500	-	0.250	2.000	Globales	0.000	0.000	-1.000
N529/N124	Q 1	Faja	0.250	-	0.000	0.250	Globales	0.000	0.000	-1.000
N529/N124	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N529/N124	V 1	Faja	0.250	-	0.000	0.250	Globales	0.354	-0.000	-0.935
N529/N124	V 1	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	-0.916
N529/N124	V 1	Faja	0.500	-	0.250	2.000	Globales	0.354	-0.000	-0.935
N529/N124	V 2	Faja	0.250	-	0.000	0.250	Globales	-0.354	0.000	0.935
N529/N124	V 2	Faja	0.500	-	0.250	2.000	Globales	-0.354	0.000	0.935
N529/N124	V 2	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	0.916
N124/N255	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N124/N255	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N124/N255	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N124/N255	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N124/N255	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N124/N255	V 1	Uniforme	0.500	-	-	-	Globales	0.354	-0.000	-0.935
N124/N255	V 1	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	-0.916
N124/N255	V 2	Uniforme	0.500	-	-	-	Globales	-0.354	0.000	0.935
N124/N255	V 2	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	0.916
N255/N385	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N255/N385	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N255/N385	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N255/N385	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N255/N385	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N255/N385	V 1	Uniforme	0.500	-	-	-	Globales	0.354	-0.000	-0.935
N255/N385	V 1	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	-0.916
N255/N385	V 2	Uniforme	0.500	-	-	-	Globales	-0.354	0.000	0.935
N255/N385	V 2	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	0.916
N385/N515	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N385/N515	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N385/N515	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N385/N515	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N385/N515	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N385/N515	V 1	Uniforme	0.500	-	-	-	Globales	0.354	-0.000	-0.935
N385/N515	V 1	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	-0.916
N385/N515	V 2	Uniforme	0.500	-	-	-	Globales	-0.354	0.000	0.935
N385/N515	V 2	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	0.916
N515/N577	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N515/N577	CM 1	Faja	0.180	-	0.000	1.750	Globales	0.000	0.000	-1.000
N515/N577	CM 1	Faja	0.090	-	1.750	2.000	Globales	0.000	0.000	-1.000
N515/N577	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N515/N577	Q 1	Faja	0.250	-	1.750	2.000	Globales	0.000	0.000	-1.000
N515/N577	Q 1	Faja	0.500	-	0.000	1.750	Globales	0.000	0.000	-1.000
N515/N577	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N515/N577	V 1	Faja	0.500	-	0.000	1.750	Globales	0.354	-0.000	-0.935
N515/N577	V 1	Uniforme	0.500	-	-	-	Globales	0.401	0.000	-0.916
N515/N577	V 1	Faja	0.250	-	1.750	2.000	Globales	0.354	-0.000	-0.935
N515/N577	V 2	Faja	0.500	-	0.000	1.750	Globales	-0.354	0.000	0.935
N515/N577	V 2	Faja	0.250	-	1.750	2.000	Globales	-0.354	0.000	0.935
N515/N577	V 2	Uniforme	0.500	-	-	-	Globales	-0.401	-0.000	0.916
N528/N126	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N528/N126	CM 1	Triangular Der.	0.180	-	0.000	0.300	Globales	0.000	0.000	-1.000
N528/N126	CM 1	Faja	0.180	-	0.300	1.750	Globales	0.000	0.000	-1.000
N528/N126	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N528/N126	Q 1	Faja	0.500	-	0.300	1.750	Globales	0.000	0.000	-1.000
N528/N126	Q 1	Triangular Der.	0.500	-	0.000	0.300	Globales	0.000	0.000	-1.000
N528/N126	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N528/N126	V 1	Triangular Der.	0.500	-	0.000	0.300	Globales	0.307	-0.000	-0.952
N528/N126	V 1	Uniforme	0.500	-	-	-	Globales	0.354	-0.000	-0.935
N528/N126	V 1	Faja	0.500	-	0.300	1.750	Globales	0.307	-0.000	-0.952
N528/N126	V 2	Triangular Der.	0.500	-	0.000	0.300	Globales	-0.307	0.000	0.952
N528/N126	V 2	Faja	0.500	-	0.300	1.750	Globales	-0.307	0.000	0.952
N528/N126	V 2	Uniforme	0.500	-	-	-	Globales	-0.354	0.000	0.935
N126/N257	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N126/N257	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N126/N257	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N126/N257	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N126/N257	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N126/N257	V 1	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	-0.952
N126/N257	V 1	Uniforme	0.500	-	-	-	Globales	0.354	-0.000	-0.935
N126/N257	V 2	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	0.952
N126/N257	V 2	Uniforme	0.500	-	-	-	Globales	-0.354	0.000	0.935
N257/N387	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N257/N387	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N257/N387	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N257/N387	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N257/N387	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N257/N387	V 1	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	-0.952
N257/N387	V 1	Uniforme	0.500	-	-	-	Globales	0.354	-0.000	-0.935
N257/N387	V 2	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	0.952
N257/N387	V 2	Uniforme	0.500	-	-	-	Globales	-0.354	0.000	0.935
N387/N517	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N387/N517	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N387/N517	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N387/N517	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N387/N517	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N387/N517	V 1	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	-0.952
N387/N517	V 1	Uniforme	0.500	-	-	-	Globales	0.354	-0.000	-0.935
N387/N517	V 2	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	0.952
N387/N517	V 2	Uniforme	0.500	-	-	-	Globales	-0.354	0.000	0.935
N517/N578	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N517/N578	CM 1	Faja	0.180	-	0.000	1.450	Globales	0.000	0.000	-1.000
N517/N578	CM 1	Faja	0.090	-	1.450	1.750	Globales	0.000	0.000	-1.000
N517/N578	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N517/N578	Q 1	Faja	0.250	-	1.450	1.750	Globales	0.000	0.000	-1.000
N517/N578	Q 1	Faja	0.500	-	0.000	1.450	Globales	0.000	0.000	-1.000
N517/N578	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N517/N578	V 1	Faja	0.500	-	0.000	1.450	Globales	0.307	-0.000	-0.952
N517/N578	V 1	Uniforme	0.500	-	-	-	Globales	0.354	-0.000	-0.935
N517/N578	V 1	Faja	0.250	-	1.450	1.750	Globales	0.307	-0.000	-0.952
N517/N578	V 2	Faja	0.500	-	0.000	1.450	Globales	-0.307	0.000	0.952
N517/N578	V 2	Faja	0.250	-	1.450	1.750	Globales	-0.307	0.000	0.952
N517/N578	V 2	Uniforme	0.500	-	-	-	Globales	-0.354	0.000	0.935
N530/N122	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N530/N122	CM 1	Faja	0.090	-	0.000	0.200	Globales	0.000	0.000	-1.000
N530/N122	CM 1	Faja	0.180	-	0.200	2.200	Globales	0.000	0.000	-1.000
N530/N122	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N530/N122	Q 1	Faja	0.500	-	0.200	2.200	Globales	0.000	0.000	-1.000
N530/N122	Q 1	Faja	0.250	-	0.000	0.200	Globales	0.000	0.000	-1.000
N530/N122	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N530/N122	V 1	Faja	0.250	-	0.000	0.200	Globales	0.401	-0.000	-0.916
N530/N122	V 1	Uniforme	0.500	-	-	-	Globales	0.446	-0.000	-0.895
N530/N122	V 1	Faja	0.500	-	0.200	2.200	Globales	0.401	-0.000	-0.916
N530/N122	V 2	Faja	0.250	-	0.000	0.200	Globales	-0.401	0.000	0.916
N530/N122	V 2	Faja	0.500	-	0.200	2.200	Globales	-0.401	0.000	0.916
N530/N122	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	0.000	0.895
N122/N253	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N122/N253	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N122/N253	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N122/N253	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N122/N253	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N122/N253	V 1	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	-0.916
N122/N253	V 1	Uniforme	0.500	-	-	-	Globales	0.446	-0.000	-0.895
N122/N253	V 2	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	0.916
N122/N253	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	0.000	0.895
N253/N383	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N253/N383	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N253/N383	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N253/N383	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N253/N383	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N253/N383	V 1	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	-0.916
N253/N383	V 1	Uniforme	0.500	-	-	-	Globales	0.446	-0.000	-0.895
N253/N383	V 2	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	0.916
N253/N383	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	0.000	0.895
N383/N513	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N383/N513	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N383/N513	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N383/N513	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N383/N513	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N383/N513	V 1	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	-0.916
N383/N513	V 1	Uniforme	0.500	-	-	-	Globales	0.446	-0.000	-0.895
N383/N513	V 2	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	0.916
N383/N513	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	0.000	0.895
N513/N576	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N513/N576	CM 1	Faja	0.180	-	0.000	2.000	Globales	0.000	0.000	-1.000
N513/N576	CM 1	Faja	0.090	-	2.000	2.200	Globales	0.000	0.000	-1.000
N513/N576	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N513/N576	Q 1	Faja	0.250	-	2.000	2.200	Globales	0.000	0.000	-1.000
N513/N576	Q 1	Faja	0.500	-	0.000	2.000	Globales	0.000	0.000	-1.000
N513/N576	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N513/N576	V 1	Faja	0.500	-	0.000	2.000	Globales	0.401	0.000	-0.916
N513/N576	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N513/N576	V 1	Faja	0.250	-	2.000	2.200	Globales	0.401	0.000	-0.916
N513/N576	V 2	Faja	0.500	-	0.000	2.000	Globales	-0.401	-0.000	0.916
N513/N576	V 2	Faja	0.250	-	2.000	2.200	Globales	-0.401	-0.000	0.916
N513/N576	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N531/N120	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N531/N120	CM 1	Faja	0.090	-	0.000	0.200	Globales	0.000	0.000	-1.000
N531/N120	CM 1	Faja	0.180	-	0.200	2.400	Globales	0.000	0.000	-1.000
N531/N120	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N531/N120	Q 1	Faja	0.500	-	0.200	2.400	Globales	0.000	0.000	-1.000
N531/N120	Q 1	Faja	0.250	-	0.000	0.200	Globales	0.000	0.000	-1.000
N531/N120	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N531/N120	V 1	Faja	0.250	-	0.000	0.200	Globales	0.446	-0.000	-0.895
N531/N120	V 1	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	-0.872
N531/N120	V 1	Faja	0.500	-	0.200	2.400	Globales	0.446	-0.000	-0.895
N531/N120	V 2	Faja	0.250	-	0.000	0.200	Globales	-0.446	0.000	0.895
N531/N120	V 2	Faja	0.500	-	0.200	2.400	Globales	-0.446	0.000	0.895
N531/N120	V 2	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	0.872
N120/N251	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N120/N251	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N120/N251	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N120/N251	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N120/N251	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N120/N251	V 1	Uniforme	0.500	-	-	-	Globales	0.446	-0.000	-0.895
N120/N251	V 1	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	-0.872
N120/N251	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	0.000	0.895
N120/N251	V 2	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	0.872
N251/N381	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N251/N381	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N251/N381	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N251/N381	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N251/N381	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N251/N381	V 1	Uniforme	0.500	-	-	-	Globales	0.446	-0.000	-0.895
N251/N381	V 1	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	-0.872
N251/N381	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	0.000	0.895
N251/N381	V 2	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	0.872
N381/N511	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N381/N511	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N381/N511	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N381/N511	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N381/N511	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N381/N511	V 1	Uniforme	0.500	-	-	-	Globales	0.446	-0.000	-0.895
N381/N511	V 1	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	-0.872
N381/N511	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	0.000	0.895
N381/N511	V 2	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	0.872
N511/N575	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N511/N575	CM 1	Faja	0.180	-	0.000	2.200	Globales	0.000	0.000	-1.000
N511/N575	CM 1	Faja	0.090	-	2.200	2.400	Globales	0.000	0.000	-1.000
N511/N575	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N511/N575	Q 1	Faja	0.250	-	2.200	2.400	Globales	0.000	0.000	-1.000
N511/N575	Q 1	Faja	0.500	-	0.000	2.200	Globales	0.000	0.000	-1.000
N511/N575	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N511/N575	V 1	Faja	0.500	-	0.000	2.200	Globales	0.446	0.000	-0.895
N511/N575	V 1	Uniforme	0.500	-	-	-	Globales	0.490	0.000	-0.872
N511/N575	V 1	Faja	0.250	-	2.200	2.400	Globales	0.446	0.000	-0.895
N511/N575	V 2	Faja	0.500	-	0.000	2.200	Globales	-0.446	-0.000	0.895
N511/N575	V 2	Faja	0.250	-	2.200	2.400	Globales	-0.446	-0.000	0.895
N511/N575	V 2	Uniforme	0.500	-	-	-	Globales	-0.490	-0.000	0.872
N532/N118	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N532/N118	CM 1	Faja	0.090	-	0.000	0.200	Globales	0.000	0.000	-1.000
N532/N118	CM 1	Faja	0.180	-	0.200	2.600	Globales	0.000	0.000	-1.000
N532/N118	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N532/N118	Q 1	Faja	0.500	-	0.200	2.600	Globales	0.000	0.000	-1.000
N532/N118	Q 1	Faja	0.250	-	0.000	0.200	Globales	0.000	0.000	-1.000
N532/N118	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N532/N118	V 1	Faja	0.250	-	0.000	0.200	Globales	0.490	-0.000	-0.872
N532/N118	V 1	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	-0.878
N532/N118	V 1	Faja	0.500	-	0.200	2.600	Globales	0.490	-0.000	-0.872
N532/N118	V 2	Faja	0.250	-	0.000	0.200	Globales	-0.490	0.000	0.872
N532/N118	V 2	Faja	0.500	-	0.200	2.600	Globales	-0.490	0.000	0.872
N532/N118	V 2	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	0.878
N118/N249	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N118/N249	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N118/N249	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N118/N249	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N118/N249	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N118/N249	V 1	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	-0.872
N118/N249	V 1	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	-0.878
N118/N249	V 2	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	0.872
N118/N249	V 2	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	0.878
N249/N379	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N249/N379	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N249/N379	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N249/N379	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N249/N379	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N249/N379	V 1	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	-0.872
N249/N379	V 1	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	-0.878
N249/N379	V 2	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	0.872
N249/N379	V 2	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	0.878
N379/N509	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N379/N509	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N379/N509	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N379/N509	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N379/N509	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N379/N509	V 1	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	-0.872

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N379/N509	V 1	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	-0.878
N379/N509	V 2	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	0.872
N379/N509	V 2	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	0.878
N509/N574	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N509/N574	CM 1	Faja	0.180	-	0.000	2.400	Globales	0.000	0.000	-1.000
N509/N574	CM 1	Faja	0.090	-	2.400	2.600	Globales	0.000	0.000	-1.000
N509/N574	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N509/N574	Q 1	Faja	0.250	-	2.400	2.600	Globales	0.000	0.000	-1.000
N509/N574	Q 1	Faja	0.500	-	0.000	2.400	Globales	0.000	0.000	-1.000
N509/N574	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N509/N574	V 1	Faja	0.500	-	0.000	2.400	Globales	0.490	0.000	-0.872
N509/N574	V 1	Uniforme	0.500	-	-	-	Globales	0.478	0.000	-0.878
N509/N574	V 1	Faja	0.250	-	2.400	2.600	Globales	0.490	0.000	-0.872
N509/N574	V 2	Faja	0.500	-	0.000	2.400	Globales	-0.490	-0.000	0.872
N509/N574	V 2	Faja	0.250	-	2.400	2.600	Globales	-0.490	-0.000	0.872
N509/N574	V 2	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	0.878
N533/N116	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N533/N116	CM 1	Faja	0.090	-	0.000	0.200	Globales	0.000	0.000	-1.000
N533/N116	CM 1	Faja	0.180	-	0.200	2.800	Globales	0.000	0.000	-1.000
N533/N116	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N533/N116	Q 1	Faja	0.500	-	0.200	2.800	Globales	0.000	0.000	-1.000
N533/N116	Q 1	Faja	0.250	-	0.000	0.200	Globales	0.000	0.000	-1.000
N533/N116	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N533/N116	V 1	Faja	0.250	-	0.000	0.200	Globales	0.478	-0.000	-0.878
N533/N116	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N533/N116	V 1	Faja	0.500	-	0.200	2.800	Globales	0.478	-0.000	-0.878
N533/N116	V 2	Faja	0.250	-	0.000	0.200	Globales	-0.478	0.000	0.878
N533/N116	V 2	Faja	0.500	-	0.200	2.800	Globales	-0.478	0.000	0.878
N533/N116	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N116/N247	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N116/N247	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N116/N247	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N116/N247	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N116/N247	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N116/N247	V 1	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	-0.878
N116/N247	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N116/N247	V 2	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	0.878
N116/N247	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N247/N377	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N247/N377	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N247/N377	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N247/N377	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N247/N377	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N247/N377	V 1	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	-0.878
N247/N377	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N247/N377	V 2	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	0.878
N247/N377	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N377/N507	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N377/N507	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N377/N507	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N377/N507	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N377/N507	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N377/N507	V 1	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	-0.878
N377/N507	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N377/N507	V 2	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	0.878
N377/N507	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N507/N573	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N507/N573	CM 1	Faja	0.180	-	0.000	2.600	Globales	0.000	0.000	-1.000
N507/N573	CM 1	Faja	0.090	-	2.600	2.800	Globales	0.000	0.000	-1.000
N507/N573	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N507/N573	Q 1	Faja	0.250	-	2.600	2.800	Globales	0.000	0.000	-1.000
N507/N573	Q 1	Faja	0.500	-	0.000	2.600	Globales	0.000	0.000	-1.000
N507/N573	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N507/N573	V 1	Faja	0.500	-	0.000	2.600	Globales	0.478	0.000	-0.878
N507/N573	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N507/N573	V 1	Faja	0.250	-	2.600	2.800	Globales	0.478	0.000	-0.878
N507/N573	V 2	Faja	0.500	-	0.000	2.600	Globales	-0.478	-0.000	0.878
N507/N573	V 2	Faja	0.250	-	2.600	2.800	Globales	-0.478	-0.000	0.878
N507/N573	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N534/N114	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N534/N114	CM 1	Faja	0.090	-	0.000	0.200	Globales	0.000	0.000	-1.000
N534/N114	CM 1	Faja	0.180	-	0.200	3.000	Globales	0.000	0.000	-1.000
N534/N114	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N534/N114	Q 1	Faja	0.500	-	0.200	3.000	Globales	0.000	0.000	-1.000
N534/N114	Q 1	Faja	0.250	-	0.000	0.200	Globales	0.000	0.000	-1.000
N534/N114	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N534/N114	V 1	Faja	0.250	-	0.000	0.200	Globales	0.446	0.000	-0.895
N534/N114	V 1	Uniforme	0.500	-	-	-	Globales	0.363	0.000	-0.932
N534/N114	V 1	Faja	0.500	-	0.200	3.000	Globales	0.446	0.000	-0.895
N534/N114	V 2	Faja	0.250	-	0.000	0.200	Globales	-0.446	-0.000	0.895
N534/N114	V 2	Faja	0.500	-	0.200	3.000	Globales	-0.446	-0.000	0.895
N534/N114	V 2	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	0.932
N114/N245	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N114/N245	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N114/N245	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N114/N245	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N114/N245	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N114/N245	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N114/N245	V 1	Uniforme	0.500	-	-	-	Globales	0.363	0.000	-0.932
N114/N245	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N114/N245	V 2	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	0.932
N245/N375	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N245/N375	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N245/N375	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N245/N375	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N245/N375	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N245/N375	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N245/N375	V 1	Uniforme	0.500	-	-	-	Globales	0.363	0.000	-0.932
N245/N375	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N245/N375	V 2	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	0.932
N375/N505	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N375/N505	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N375/N505	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N375/N505	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N375/N505	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N375/N505	V 1	Uniforme	0.500	-	-	-	Globales	0.446	0.000	-0.895
N375/N505	V 1	Uniforme	0.500	-	-	-	Globales	0.363	0.000	-0.932
N375/N505	V 2	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	0.895
N375/N505	V 2	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	0.932
N505/N572	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N505/N572	CM 1	Faja	0.180	-	0.000	2.800	Globales	0.000	0.000	-1.000
N505/N572	CM 1	Faja	0.090	-	2.800	3.000	Globales	0.000	0.000	-1.000
N505/N572	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N505/N572	Q 1	Faja	0.250	-	2.800	3.000	Globales	0.000	0.000	-1.000
N505/N572	Q 1	Faja	0.500	-	0.000	2.800	Globales	0.000	0.000	-1.000
N505/N572	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N505/N572	V 1	Faja	0.500	-	0.000	2.800	Globales	0.446	0.000	-0.895
N505/N572	V 1	Uniforme	0.500	-	-	-	Globales	0.363	0.000	-0.932
N505/N572	V 1	Faja	0.250	-	2.800	3.000	Globales	0.446	0.000	-0.895
N505/N572	V 2	Faja	0.500	-	0.000	2.800	Globales	-0.446	-0.000	0.895
N505/N572	V 2	Faja	0.250	-	2.800	3.000	Globales	-0.446	-0.000	0.895
N505/N572	V 2	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	0.932
N535/N112	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N535/N112	CM 1	Faja	0.090	-	0.000	0.150	Globales	0.000	0.000	-1.000
N535/N112	CM 1	Faja	0.180	-	0.150	3.150	Globales	0.000	0.000	-1.000
N535/N112	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N535/N112	Q 1	Faja	0.500	-	0.150	3.150	Globales	0.000	0.000	-1.000
N535/N112	Q 1	Faja	0.250	-	0.000	0.150	Globales	0.000	0.000	-1.000
N535/N112	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N535/N112	V 1	Faja	0.250	-	0.000	0.150	Globales	0.363	0.000	-0.932
N535/N112	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N535/N112	V 1	Faja	0.500	-	0.150	3.150	Globales	0.363	0.000	-0.932
N535/N112	V 2	Faja	0.250	-	0.000	0.150	Globales	-0.363	-0.000	0.932
N535/N112	V 2	Faja	0.500	-	0.150	3.150	Globales	-0.363	-0.000	0.932
N535/N112	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N112/N243	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N112/N243	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N112/N243	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N112/N243	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N112/N243	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N112/N243	V 1	Uniforme	0.500	-	-	-	Globales	0.363	0.000	-0.932
N112/N243	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N112/N243	V 2	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	0.932
N112/N243	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N243/N373	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N243/N373	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N243/N373	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N243/N373	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N243/N373	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N243/N373	V 1	Uniforme	0.500	-	-	-	Globales	0.363	0.000	-0.932
N243/N373	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N243/N373	V 2	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	0.932
N243/N373	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N373/N503	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N373/N503	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N373/N503	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N373/N503	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N373/N503	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N373/N503	V 1	Uniforme	0.500	-	-	-	Globales	0.363	0.000	-0.932
N373/N503	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N373/N503	V 2	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	0.932
N373/N503	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N503/N571	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N503/N571	CM 1	Faja	0.180	-	0.000	3.000	Globales	0.000	0.000	-1.000
N503/N571	CM 1	Faja	0.090	-	3.000	3.150	Globales	0.000	0.000	-1.000
N503/N571	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N503/N571	Q 1	Faja	0.250	-	3.000	3.150	Globales	0.000	0.000	-1.000
N503/N571	Q 1	Faja	0.500	-	0.000	3.000	Globales	0.000	0.000	-1.000
N503/N571	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N503/N571	V 1	Faja	0.500	-	0.000	3.000	Globales	0.363	0.000	-0.932
N503/N571	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N503/N571	V 1	Faja	0.250	-	3.000	3.150	Globales	0.363	0.000	-0.932
N503/N571	V 2	Faja	0.500	-	0.000	3.000	Globales	-0.363	-0.000	0.932
N503/N571	V 2	Faja	0.250	-	3.000	3.150	Globales	-0.363	-0.000	0.932
N503/N571	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N536/N110	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N536/N110	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N536/N110	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N536/N110	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N536/N110	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N536/N110	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N536/N110	V 1	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	-0.974
N536/N110	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N536/N110	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	0.974
N110/N241	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N110/N241	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N110/N241	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N110/N241	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N110/N241	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N110/N241	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N110/N241	V 1	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	-0.974
N110/N241	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N110/N241	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	0.974
N241/N371	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N241/N371	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N241/N371	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N241/N371	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N241/N371	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N241/N371	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N241/N371	V 1	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	-0.974
N241/N371	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N241/N371	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	0.974
N371/N501	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N371/N501	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N371/N501	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N371/N501	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N371/N501	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N371/N501	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N371/N501	V 1	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	-0.974
N371/N501	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N371/N501	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	0.974
N501/N570	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N501/N570	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N501/N570	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N501/N570	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N501/N570	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N501/N570	V 1	Uniforme	0.499	-	-	-	Globales	0.295	0.000	-0.956
N501/N570	V 1	Uniforme	0.500	-	-	-	Globales	0.225	0.000	-0.974
N501/N570	V 2	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	0.956
N501/N570	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	0.974
N537/N108	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N537/N108	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N537/N108	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N537/N108	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N537/N108	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N537/N108	V 1	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	-0.974
N537/N108	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N537/N108	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	0.974
N537/N108	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N108/N239	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N108/N239	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N108/N239	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N108/N239	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N108/N239	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N108/N239	V 1	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	-0.974
N108/N239	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N108/N239	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	0.974
N108/N239	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N239/N369	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N239/N369	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N239/N369	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N239/N369	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N239/N369	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N239/N369	V 1	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	-0.974
N239/N369	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N239/N369	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	0.974
N239/N369	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N369/N499	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N369/N499	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N369/N499	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N369/N499	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N369/N499	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N369/N499	V 1	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	-0.974
N369/N499	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N369/N499	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	0.974
N369/N499	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N499/N569	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N499/N569	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N499/N569	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N499/N569	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N499/N569	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N499/N569	V 1	Uniforme	0.500	-	-	-	Globales	0.225	0.000	-0.974
N499/N569	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N499/N569	V 2	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	0.974
N499/N569	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N538/N106	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N538/N106	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N538/N106	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N538/N106	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N538/N106	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N538/N106	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N538/N106	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N538/N106	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N538/N106	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N106/N237	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N106/N237	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N106/N237	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N106/N237	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N106/N237	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N106/N237	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N106/N237	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N106/N237	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N106/N237	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N237/N367	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N237/N367	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N237/N367	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N237/N367	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N237/N367	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N237/N367	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N237/N367	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N237/N367	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N237/N367	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N367/N497	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N367/N497	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N367/N497	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N367/N497	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N367/N497	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N367/N497	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N367/N497	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N367/N497	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N367/N497	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N497/N568	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N497/N568	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N497/N568	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N497/N568	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N497/N568	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N497/N568	V 1	Uniforme	0.500	-	-	-	Globales	0.153	0.000	-0.988
N497/N568	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N497/N568	V 2	Uniforme	0.500	-	-	-	Globales	-0.153	-0.000	0.988
N497/N568	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N539/N104	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N539/N104	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N539/N104	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N539/N104	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N539/N104	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N539/N104	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N539/N104	V 1	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	-1.000
N539/N104	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N539/N104	V 2	Uniforme	0.617	-	-	-	Globales	0.000	0.000	1.000
N104/N235	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N104/N235	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N104/N235	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N104/N235	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N104/N235	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N104/N235	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N104/N235	V 1	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	-1.000
N104/N235	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N104/N235	V 2	Uniforme	0.617	-	-	-	Globales	0.000	0.000	1.000
N235/N365	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N235/N365	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N235/N365	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N235/N365	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N235/N365	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N235/N365	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N235/N365	V 1	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	-1.000
N235/N365	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N235/N365	V 2	Uniforme	0.617	-	-	-	Globales	0.000	0.000	1.000
N365/N495	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N365/N495	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N365/N495	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N365/N495	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N365/N495	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N365/N495	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N365/N495	V 1	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	-1.000
N365/N495	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N365/N495	V 2	Uniforme	0.617	-	-	-	Globales	0.000	0.000	1.000
N495/N567	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N495/N567	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N495/N567	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N495/N567	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N495/N567	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N495/N567	V 1	Uniforme	0.500	-	-	-	Globales	0.081	0.000	-0.997
N495/N567	V 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N495/N567	V 2	Uniforme	0.500	-	-	-	Globales	-0.081	-0.000	0.997
N495/N567	V 2	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	1.000
N540/N102	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N540/N102	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N540/N102	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N540/N102	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N540/N102	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N540/N102	V 1	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	-1.000
N540/N102	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N540/N102	V 2	Uniforme	0.617	-	-	-	Globales	0.000	0.000	1.000
N540/N102	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N102/N233	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N102/N233	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N102/N233	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N102/N233	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N102/N233	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N102/N233	V 1	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	-1.000
N102/N233	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N102/N233	V 2	Uniforme	0.617	-	-	-	Globales	0.000	0.000	1.000
N102/N233	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N233/N363	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N233/N363	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N233/N363	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N233/N363	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N233/N363	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N233/N363	V 1	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	-1.000
N233/N363	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N233/N363	V 2	Uniforme	0.617	-	-	-	Globales	0.000	0.000	1.000
N233/N363	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N363/N493	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N363/N493	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N363/N493	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N363/N493	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N363/N493	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N363/N493	V 1	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	-1.000
N363/N493	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N363/N493	V 2	Uniforme	0.617	-	-	-	Globales	0.000	0.000	1.000
N363/N493	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N493/N566	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N493/N566	CM 1	Uniforme	0.222	-	-	-	Globales	0.000	0.000	-1.000
N493/N566	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N493/N566	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N493/N566	Q 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N493/N566	V 1	Uniforme	0.617	-	-	-	Globales	0.000	0.000	-1.000
N493/N566	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N493/N566	V 2	Uniforme	0.617	-	-	-	Globales	-0.000	-0.000	1.000
N493/N566	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N541/N100	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N541/N100	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N541/N100	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N541/N100	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N541/N100	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N541/N100	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N541/N100	V 1	Uniforme	0.500	-	-	-	Globales	-0.153	0.000	-0.988
N541/N100	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N541/N100	V 2	Uniforme	0.500	-	-	-	Globales	0.153	-0.000	0.988
N100/N231	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N100/N231	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N100/N231	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N100/N231	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N100/N231	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N100/N231	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N100/N231	V 1	Uniforme	0.500	-	-	-	Globales	-0.153	0.000	-0.988
N100/N231	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N100/N231	V 2	Uniforme	0.500	-	-	-	Globales	0.153	-0.000	0.988
N231/N361	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N231/N361	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N231/N361	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N231/N361	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N231/N361	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N231/N361	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N231/N361	V 1	Uniforme	0.500	-	-	-	Globales	-0.153	0.000	-0.988
N231/N361	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N231/N361	V 2	Uniforme	0.500	-	-	-	Globales	0.153	-0.000	0.988
N361/N491	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N361/N491	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N361/N491	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N361/N491	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N361/N491	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N361/N491	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N361/N491	V 1	Uniforme	0.500	-	-	-	Globales	-0.153	0.000	-0.988
N361/N491	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997
N361/N491	V 2	Uniforme	0.500	-	-	-	Globales	0.153	-0.000	0.988
N491/N565	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N491/N565	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N491/N565	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N491/N565	V 1	Uniforme	0.500	-	-	-	Globales	-0.081	0.000	-0.997
N491/N565	V 2	Uniforme	0.500	-	-	-	Globales	0.081	-0.000	0.997

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N542/N98	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N542/N98	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N542/N98	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N542/N98	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N542/N98	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N542/N98	V 1	Uniforme	0.500	-	-	-	Globales	-0.153	0.000	-0.988
N542/N98	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	-0.974
N542/N98	V 2	Uniforme	0.500	-	-	-	Globales	0.153	-0.000	0.988
N542/N98	V 2	Uniforme	0.500	-	-	-	Globales	0.225	0.000	0.974
N98/N229	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N98/N229	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N98/N229	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N98/N229	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N98/N229	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N98/N229	V 1	Uniforme	0.500	-	-	-	Globales	-0.153	0.000	-0.988
N98/N229	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	-0.974
N98/N229	V 2	Uniforme	0.500	-	-	-	Globales	0.153	-0.000	0.988
N98/N229	V 2	Uniforme	0.500	-	-	-	Globales	0.225	0.000	0.974
N229/N359	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N229/N359	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N229/N359	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N229/N359	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N229/N359	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N229/N359	V 1	Uniforme	0.500	-	-	-	Globales	-0.153	0.000	-0.988
N229/N359	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	-0.974
N229/N359	V 2	Uniforme	0.500	-	-	-	Globales	0.153	-0.000	0.988
N229/N359	V 2	Uniforme	0.500	-	-	-	Globales	0.225	0.000	0.974
N359/N489	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N359/N489	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N359/N489	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N359/N489	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N359/N489	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N359/N489	V 1	Uniforme	0.500	-	-	-	Globales	-0.153	0.000	-0.988
N359/N489	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	-0.974
N359/N489	V 2	Uniforme	0.500	-	-	-	Globales	0.153	-0.000	0.988
N359/N489	V 2	Uniforme	0.500	-	-	-	Globales	0.225	0.000	0.974
N489/N564	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N489/N564	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N489/N564	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N489/N564	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	-0.974
N489/N564	V 2	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	0.974
N543/N96	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N543/N96	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N543/N96	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N543/N96	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N543/N96	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N543/N96	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	-0.974
N543/N96	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	-0.956
N543/N96	V 2	Uniforme	0.500	-	-	-	Globales	0.225	0.000	0.974
N543/N96	V 2	Uniforme	0.499	-	-	-	Globales	0.295	0.000	0.956
N96/N227	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N96/N227	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N96/N227	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N96/N227	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N96/N227	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N96/N227	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	-0.974
N96/N227	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	-0.956
N96/N227	V 2	Uniforme	0.500	-	-	-	Globales	0.225	0.000	0.974
N96/N227	V 2	Uniforme	0.499	-	-	-	Globales	0.295	0.000	0.956
N227/N357	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N227/N357	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N227/N357	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N227/N357	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N227/N357	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N227/N357	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	-0.974
N227/N357	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	-0.956
N227/N357	V 2	Uniforme	0.500	-	-	-	Globales	0.225	0.000	0.974
N227/N357	V 2	Uniforme	0.499	-	-	-	Globales	0.295	0.000	0.956
N357/N487	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N357/N487	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N357/N487	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N357/N487	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N357/N487	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N357/N487	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	-0.000	-0.974
N357/N487	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	-0.956
N357/N487	V 2	Uniforme	0.500	-	-	-	Globales	0.225	0.000	0.974
N357/N487	V 2	Uniforme	0.499	-	-	-	Globales	0.295	0.000	0.956
N487/N563	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N487/N563	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N487/N563	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N487/N563	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N487/N563	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N487/N563	V 1	Uniforme	0.500	-	-	-	Globales	-0.225	0.000	-0.974
N487/N563	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	0.000	-0.956
N487/N563	V 2	Uniforme	0.500	-	-	-	Globales	0.225	-0.000	0.974
N487/N563	V 2	Uniforme	0.499	-	-	-	Globales	0.295	-0.000	0.956
N544/N94	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N544/N94	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N544/N94	CM 1	Faja	0.090	-	0.000	0.150	Globales	0.000	0.000	-1.000
N544/N94	CM 1	Faja	0.180	-	0.150	3.150	Globales	0.000	0.000	-1.000
N544/N94	Q 1	Faja	0.250	-	0.000	0.150	Globales	0.000	0.000	-1.000
N544/N94	Q 1	Faja	0.500	-	0.150	3.150	Globales	0.000	0.000	-1.000
N544/N94	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N544/N94	V 1	Faja	0.500	-	0.150	3.150	Globales	-0.363	-0.000	-0.932
N544/N94	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	-0.956
N544/N94	V 1	Faja	0.250	-	0.000	0.150	Globales	-0.363	-0.000	-0.932
N544/N94	V 2	Uniforme	0.499	-	-	-	Globales	0.295	0.000	0.956
N544/N94	V 2	Faja	0.250	-	0.000	0.150	Globales	0.363	0.000	0.932
N544/N94	V 2	Faja	0.500	-	0.150	3.150	Globales	0.363	0.000	0.932
N94/N225	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N94/N225	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N94/N225	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N94/N225	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N94/N225	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N94/N225	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	-0.956
N94/N225	V 1	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	-0.932
N94/N225	V 2	Uniforme	0.499	-	-	-	Globales	0.295	0.000	0.956
N94/N225	V 2	Uniforme	0.500	-	-	-	Globales	0.363	0.000	0.932
N225/N355	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N225/N355	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N225/N355	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N225/N355	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N225/N355	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N225/N355	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	-0.956
N225/N355	V 1	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	-0.932
N225/N355	V 2	Uniforme	0.499	-	-	-	Globales	0.295	0.000	0.956
N225/N355	V 2	Uniforme	0.500	-	-	-	Globales	0.363	0.000	0.932
N355/N485	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N355/N485	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N355/N485	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N355/N485	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N355/N485	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N355/N485	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	-0.000	-0.956
N355/N485	V 1	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	-0.932
N355/N485	V 2	Uniforme	0.499	-	-	-	Globales	0.295	0.000	0.956
N355/N485	V 2	Uniforme	0.500	-	-	-	Globales	0.363	0.000	0.932

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N485/N562	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N485/N562	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N485/N562	CM 1	Faja	0.180	-	0.000	3.000	Globales	0.000	0.000	-1.000
N485/N562	CM 1	Faja	0.090	-	3.000	3.150	Globales	0.000	0.000	-1.000
N485/N562	Q 1	Faja	0.500	-	0.000	3.000	Globales	0.000	0.000	-1.000
N485/N562	Q 1	Faja	0.250	-	3.000	3.150	Globales	0.000	0.000	-1.000
N485/N562	Q 1	Uniforme	0.499	-	-	-	Globales	0.000	0.000	-1.000
N485/N562	V 1	Faja	0.250	-	3.000	3.150	Globales	-0.363	-0.000	-0.932
N485/N562	V 1	Uniforme	0.499	-	-	-	Globales	-0.295	0.000	-0.956
N485/N562	V 1	Faja	0.500	-	0.000	3.000	Globales	-0.363	-0.000	-0.932
N485/N562	V 2	Uniforme	0.499	-	-	-	Globales	0.295	-0.000	0.956
N485/N562	V 2	Faja	0.500	-	0.000	3.000	Globales	0.363	0.000	0.932
N485/N562	V 2	Faja	0.250	-	3.000	3.150	Globales	0.363	0.000	0.932
N545/N92	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N545/N92	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N545/N92	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N545/N92	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N545/N92	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N545/N92	V 1	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	-0.932
N545/N92	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N545/N92	V 2	Uniforme	0.500	-	-	-	Globales	0.363	0.000	0.932
N545/N92	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N92/N223	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N92/N223	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N92/N223	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N92/N223	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N92/N223	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N92/N223	V 1	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	-0.932
N92/N223	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N92/N223	V 2	Uniforme	0.500	-	-	-	Globales	0.363	0.000	0.932
N92/N223	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N223/N353	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N223/N353	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N223/N353	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N223/N353	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N223/N353	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N223/N353	V 1	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	-0.932
N223/N353	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N223/N353	V 2	Uniforme	0.500	-	-	-	Globales	0.363	0.000	0.932
N223/N353	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N353/N483	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N353/N483	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N353/N483	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N353/N483	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N353/N483	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N353/N483	V 1	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	-0.932
N353/N483	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N353/N483	V 2	Uniforme	0.500	-	-	-	Globales	0.363	0.000	0.932
N353/N483	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N483/N561	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N483/N561	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N483/N561	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N483/N561	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N483/N561	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N483/N561	V 1	Uniforme	0.500	-	-	-	Globales	-0.363	-0.000	-0.932
N483/N561	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N483/N561	V 2	Uniforme	0.500	-	-	-	Globales	0.363	0.000	0.932
N483/N561	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N546/N90	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N546/N90	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N546/N90	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N546/N90	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N546/N90	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N546/N90	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N546/N90	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	-0.878
N546/N90	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N546/N90	V 2	Uniforme	0.500	-	-	-	Globales	0.478	0.000	0.878
N90/N221	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N90/N221	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N90/N221	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N90/N221	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N90/N221	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N90/N221	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N90/N221	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	-0.878
N90/N221	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N90/N221	V 2	Uniforme	0.500	-	-	-	Globales	0.478	0.000	0.878
N221/N351	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N221/N351	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N221/N351	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N221/N351	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N221/N351	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N221/N351	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N221/N351	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	-0.878
N221/N351	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N221/N351	V 2	Uniforme	0.500	-	-	-	Globales	0.478	0.000	0.878
N351/N481	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N351/N481	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N351/N481	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N351/N481	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N351/N481	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N351/N481	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N351/N481	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	-0.878
N351/N481	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N351/N481	V 2	Uniforme	0.500	-	-	-	Globales	0.478	0.000	0.878
N481/N581	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N481/N581	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N481/N581	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N481/N581	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N481/N581	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N481/N581	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N481/N581	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	-0.878
N481/N581	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N481/N581	V 2	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	0.878
N547/N88	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N547/N88	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N547/N88	CM 1	Faja	0.090	-	0.000	0.200	Globales	0.000	0.000	-1.000
N547/N88	CM 1	Faja	0.180	-	0.200	2.600	Globales	0.000	0.000	-1.000
N547/N88	Q 1	Faja	0.250	-	0.000	0.200	Globales	0.000	0.000	-1.000
N547/N88	Q 1	Faja	0.500	-	0.200	2.600	Globales	0.000	0.000	-1.000
N547/N88	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N547/N88	V 1	Faja	0.500	-	0.200	2.600	Globales	-0.490	0.000	-0.872
N547/N88	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	-0.878
N547/N88	V 1	Faja	0.250	-	0.000	0.200	Globales	-0.490	0.000	-0.872
N547/N88	V 2	Uniforme	0.500	-	-	-	Globales	0.478	0.000	0.878
N547/N88	V 2	Faja	0.250	-	0.000	0.200	Globales	0.490	-0.000	0.872
N547/N88	V 2	Faja	0.500	-	0.200	2.600	Globales	0.490	-0.000	0.872
N88/N219	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N88/N219	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N88/N219	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N88/N219	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N88/N219	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N88/N219	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	-0.878
N88/N219	V 1	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	-0.872
N88/N219	V 2	Uniforme	0.500	-	-	-	Globales	0.478	0.000	0.878
N88/N219	V 2	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	0.872
N219/N349	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N219/N349	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N219/N349	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N219/N349	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N219/N349	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N219/N349	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	-0.878
N219/N349	V 1	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	-0.872
N219/N349	V 2	Uniforme	0.500	-	-	-	Globales	0.478	0.000	0.878
N219/N349	V 2	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	0.872
N349/N479	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N349/N479	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N349/N479	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N349/N479	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N349/N479	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N349/N479	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	-0.000	-0.878
N349/N479	V 1	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	-0.872
N349/N479	V 2	Uniforme	0.500	-	-	-	Globales	0.478	0.000	0.878
N349/N479	V 2	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	0.872
N479/N560	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N479/N560	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N479/N560	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N479/N560	V 1	Uniforme	0.500	-	-	-	Globales	-0.478	0.000	-0.878
N479/N560	V 2	Uniforme	0.500	-	-	-	Globales	0.478	-0.000	0.878
N548/N86	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N548/N86	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N548/N86	CM 1	Faja	0.090	-	0.000	0.200	Globales	0.000	0.000	-1.000
N548/N86	CM 1	Faja	0.180	-	0.200	2.400	Globales	0.000	0.000	-1.000
N548/N86	Q 1	Faja	0.250	-	0.000	0.200	Globales	0.000	0.000	-1.000
N548/N86	Q 1	Faja	0.500	-	0.200	2.400	Globales	0.000	0.000	-1.000
N548/N86	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N548/N86	V 1	Faja	0.500	-	0.200	2.400	Globales	-0.446	-0.000	-0.895
N548/N86	V 1	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	-0.872
N548/N86	V 1	Faja	0.250	-	0.000	0.200	Globales	-0.446	-0.000	-0.895
N548/N86	V 2	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	0.872
N548/N86	V 2	Faja	0.250	-	0.000	0.200	Globales	0.446	0.000	0.895
N548/N86	V 2	Faja	0.500	-	0.200	2.400	Globales	0.446	0.000	0.895
N86/N217	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N86/N217	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N86/N217	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N86/N217	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N86/N217	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N86/N217	V 1	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	-0.872
N86/N217	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N86/N217	V 2	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	0.872
N86/N217	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N217/N347	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N217/N347	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N217/N347	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N217/N347	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N217/N347	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N217/N347	V 1	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	-0.872
N217/N347	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N217/N347	V 2	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	0.872
N217/N347	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N347/N477	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N347/N477	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N347/N477	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N347/N477	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N347/N477	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N347/N477	V 1	Uniforme	0.500	-	-	-	Globales	-0.490	0.000	-0.872
N347/N477	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N347/N477	V 2	Uniforme	0.500	-	-	-	Globales	0.490	-0.000	0.872
N347/N477	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N477/N559	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N549/N84	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N549/N84	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N549/N84	CM 1	Faja	0.090	-	0.000	0.200	Globales	0.000	0.000	-1.000
N549/N84	CM 1	Faja	0.180	-	0.200	2.200	Globales	0.000	0.000	-1.000
N549/N84	Q 1	Faja	0.250	-	0.000	0.200	Globales	0.000	0.000	-1.000
N549/N84	Q 1	Faja	0.500	-	0.200	2.200	Globales	0.000	0.000	-1.000
N549/N84	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N549/N84	V 1	Faja	0.500	-	0.200	2.200	Globales	-0.401	0.000	-0.916
N549/N84	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N549/N84	V 1	Faja	0.250	-	0.000	0.200	Globales	-0.401	0.000	-0.916
N549/N84	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N549/N84	V 2	Faja	0.250	-	0.000	0.200	Globales	0.401	-0.000	0.916
N549/N84	V 2	Faja	0.500	-	0.200	2.200	Globales	0.401	-0.000	0.916
N84/N215	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N84/N215	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N84/N215	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N84/N215	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N84/N215	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N84/N215	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N84/N215	V 1	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	-0.916
N84/N215	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N84/N215	V 2	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	0.916
N215/N345	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N215/N345	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N215/N345	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N215/N345	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N215/N345	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N215/N345	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N215/N345	V 1	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	-0.916
N215/N345	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N215/N345	V 2	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	0.916
N345/N475	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N345/N475	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N345/N475	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N345/N475	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N345/N475	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N345/N475	V 1	Uniforme	0.500	-	-	-	Globales	-0.446	-0.000	-0.895
N345/N475	V 1	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	-0.916
N345/N475	V 2	Uniforme	0.500	-	-	-	Globales	0.446	0.000	0.895
N345/N475	V 2	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	0.916
N475/N558	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N475/N558	CM 1	Faja	0.180	-	0.000	2.000	Globales	0.000	0.000	-1.000
N475/N558	CM 1	Faja	0.090	-	2.000	2.200	Globales	0.000	0.000	-1.000
N475/N558	Q 1	Faja	0.500	-	0.000	2.000	Globales	0.000	0.000	-1.000
N475/N558	Q 1	Faja	0.250	-	2.000	2.200	Globales	0.000	0.000	-1.000
N475/N558	V 1	Faja	0.500	-	0.000	2.000	Globales	-0.401	-0.000	-0.916
N475/N558	V 1	Faja	0.250	-	2.000	2.200	Globales	-0.401	-0.000	-0.916
N475/N558	V 2	Faja	0.500	-	0.000	2.000	Globales	0.401	0.000	0.916
N475/N558	V 2	Faja	0.250	-	2.000	2.200	Globales	0.401	0.000	0.916
N550/N82	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N550/N82	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N550/N82	CM 1	Faja	0.090	-	0.000	0.250	Globales	0.000	0.000	-1.000
N550/N82	CM 1	Faja	0.180	-	0.250	2.000	Globales	0.000	0.000	-1.000
N550/N82	Q 1	Faja	0.250	-	0.000	0.250	Globales	0.000	0.000	-1.000
N550/N82	Q 1	Faja	0.500	-	0.250	2.000	Globales	0.000	0.000	-1.000
N550/N82	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N550/N82	V 1	Faja	0.500	-	0.250	2.000	Globales	-0.354	-0.000	-0.935
N550/N82	V 1	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	-0.916
N550/N82	V 1	Faja	0.250	-	0.000	0.250	Globales	-0.354	-0.000	-0.935
N550/N82	V 2	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	0.916
N550/N82	V 2	Faja	0.250	-	0.000	0.250	Globales	0.354	0.000	0.935
N550/N82	V 2	Faja	0.500	-	0.250	2.000	Globales	0.354	0.000	0.935
N82/N213	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N82/N213	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N82/N213	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N82/N213	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N82/N213	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N82/N213	V 1	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	-0.916
N82/N213	V 1	Uniforme	0.500	-	-	-	Globales	-0.354	-0.000	-0.935
N82/N213	V 2	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	0.916
N82/N213	V 2	Uniforme	0.500	-	-	-	Globales	0.354	0.000	0.935
N213/N343	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N213/N343	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N213/N343	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N213/N343	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N213/N343	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N213/N343	V 1	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	-0.916
N213/N343	V 1	Uniforme	0.500	-	-	-	Globales	-0.354	-0.000	-0.935
N213/N343	V 2	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	0.916
N213/N343	V 2	Uniforme	0.500	-	-	-	Globales	0.354	0.000	0.935
N343/N473	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N343/N473	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N343/N473	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N343/N473	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N343/N473	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N343/N473	V 1	Uniforme	0.500	-	-	-	Globales	-0.401	0.000	-0.916
N343/N473	V 1	Uniforme	0.500	-	-	-	Globales	-0.354	-0.000	-0.935
N343/N473	V 2	Uniforme	0.500	-	-	-	Globales	0.401	-0.000	0.916
N343/N473	V 2	Uniforme	0.500	-	-	-	Globales	0.354	0.000	0.935
N473/N557	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N473/N557	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N473/N557	CM 1	Faja	0.180	-	0.000	1.750	Globales	0.000	0.000	-1.000
N473/N557	CM 1	Faja	0.090	-	1.750	2.000	Globales	0.000	0.000	-1.000
N473/N557	Q 1	Faja	0.500	-	0.000	1.750	Globales	0.000	0.000	-1.000
N473/N557	Q 1	Faja	0.250	-	1.750	2.000	Globales	0.000	0.000	-1.000
N473/N557	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N473/N557	V 1	Faja	0.250	-	1.750	2.000	Globales	-0.354	-0.000	-0.935
N473/N557	V 1	Uniforme	0.500	-	-	-	Globales	-0.401	-0.000	-0.916
N473/N557	V 1	Faja	0.500	-	0.000	1.750	Globales	-0.354	-0.000	-0.935
N473/N557	V 2	Uniforme	0.500	-	-	-	Globales	0.401	0.000	0.916
N473/N557	V 2	Faja	0.500	-	0.000	1.750	Globales	0.354	0.000	0.935
N473/N557	V 2	Faja	0.250	-	1.750	2.000	Globales	0.354	0.000	0.935
N551/N80	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N551/N80	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N551/N80	CM 1	Faja	0.090	-	0.000	0.300	Globales	0.000	0.000	-1.000
N551/N80	CM 1	Faja	0.180	-	0.300	1.750	Globales	0.000	0.000	-1.000
N551/N80	Q 1	Faja	0.250	-	0.000	0.300	Globales	0.000	0.000	-1.000
N551/N80	Q 1	Faja	0.500	-	0.300	1.750	Globales	0.000	0.000	-1.000
N551/N80	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N551/N80	V 1	Faja	0.500	-	0.300	1.750	Globales	-0.307	0.000	-0.952
N551/N80	V 1	Uniforme	0.500	-	-	-	Globales	-0.354	-0.000	-0.935
N551/N80	V 1	Faja	0.250	-	0.000	0.300	Globales	-0.307	0.000	-0.952
N551/N80	V 2	Uniforme	0.500	-	-	-	Globales	0.354	0.000	0.935
N551/N80	V 2	Faja	0.250	-	0.000	0.300	Globales	0.307	-0.000	0.952
N551/N80	V 2	Faja	0.500	-	0.300	1.750	Globales	0.307	-0.000	0.952
N80/N211	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N80/N211	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N80/N211	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N80/N211	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N80/N211	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N80/N211	V 1	Uniforme	0.500	-	-	-	Globales	-0.354	-0.000	-0.935
N80/N211	V 1	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	-0.952
N80/N211	V 2	Uniforme	0.500	-	-	-	Globales	0.354	0.000	0.935
N80/N211	V 2	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	0.952
N211/N341	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N211/N341	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N211/N341	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N211/N341	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N211/N341	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N211/N341	V 1	Uniforme	0.500	-	-	-	Globales	-0.354	-0.000	-0.935
N211/N341	V 1	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	-0.952
N211/N341	V 2	Uniforme	0.500	-	-	-	Globales	0.354	0.000	0.935
N211/N341	V 2	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	0.952
N341/N471	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N341/N471	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N341/N471	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N341/N471	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N341/N471	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N341/N471	V 1	Uniforme	0.500	-	-	-	Globales	-0.354	-0.000	-0.935
N341/N471	V 1	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	-0.952
N341/N471	V 2	Uniforme	0.500	-	-	-	Globales	0.354	0.000	0.935
N341/N471	V 2	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	0.952
N471/N556	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N471/N556	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N471/N556	CM 1	Faja	0.180	-	0.000	1.450	Globales	0.000	0.000	-1.000
N471/N556	CM 1	Triangular Izq.	0.180	-	1.450	1.750	Globales	0.000	0.000	-1.000
N471/N556	Q 1	Faja	0.500	-	0.000	1.450	Globales	0.000	0.000	-1.000
N471/N556	Q 1	Triangular Izq.	0.500	-	1.450	1.750	Globales	0.000	0.000	-1.000
N471/N556	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N471/N556	V 1	Triangular Izq.	0.500	-	1.450	1.750	Globales	-0.307	-0.000	-0.952
N471/N556	V 1	Uniforme	0.500	-	-	-	Globales	-0.354	-0.000	-0.935
N471/N556	V 1	Faja	0.500	-	0.000	1.450	Globales	-0.307	-0.000	-0.952
N471/N556	V 2	Uniforme	0.500	-	-	-	Globales	0.354	0.000	0.935
N471/N556	V 2	Faja	0.500	-	0.000	1.450	Globales	0.307	0.000	0.952
N471/N556	V 2	Triangular Izq.	0.500	-	1.450	1.750	Globales	0.307	0.000	0.952
N552/N78	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N552/N78	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N552/N78	CM 1	Triangular Der.	0.180	-	0.000	0.350	Globales	0.000	0.000	-1.000
N552/N78	CM 1	Faja	0.180	-	0.350	1.450	Globales	0.000	0.000	-1.000
N552/N78	Q 1	Triangular Der.	0.500	-	0.000	0.350	Globales	0.000	0.000	-1.000
N552/N78	Q 1	Faja	0.500	-	0.350	1.450	Globales	0.000	0.000	-1.000
N552/N78	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N552/N78	V 1	Faja	0.500	-	0.350	1.450	Globales	-0.259	-0.000	-0.966
N552/N78	V 1	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	-0.952
N552/N78	V 1	Triangular Der.	0.500	-	0.000	0.350	Globales	-0.259	-0.000	-0.966
N552/N78	V 2	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	0.952
N552/N78	V 2	Triangular Der.	0.500	-	0.000	0.350	Globales	0.259	0.000	0.966
N552/N78	V 2	Faja	0.500	-	0.350	1.450	Globales	0.259	0.000	0.966
N78/N209	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N78/N209	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N78/N209	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N78/N209	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N78/N209	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N78/N209	V 1	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	-0.952
N78/N209	V 1	Uniforme	0.500	-	-	-	Globales	-0.259	-0.000	-0.966
N78/N209	V 2	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	0.952
N78/N209	V 2	Uniforme	0.500	-	-	-	Globales	0.259	0.000	0.966
N209/N339	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N209/N339	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N209/N339	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N209/N339	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N209/N339	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N209/N339	V 1	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	-0.952
N209/N339	V 1	Uniforme	0.500	-	-	-	Globales	-0.259	-0.000	-0.966
N209/N339	V 2	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	0.952
N209/N339	V 2	Uniforme	0.500	-	-	-	Globales	0.259	0.000	0.966
N339/N469	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N339/N469	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N339/N469	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N339/N469	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N339/N469	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N339/N469	V 1	Uniforme	0.500	-	-	-	Globales	-0.307	0.000	-0.952
N339/N469	V 1	Uniforme	0.500	-	-	-	Globales	-0.259	-0.000	-0.966
N339/N469	V 2	Uniforme	0.500	-	-	-	Globales	0.307	-0.000	0.952
N339/N469	V 2	Uniforme	0.500	-	-	-	Globales	0.259	0.000	0.966
N469/N555	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N469/N555	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N469/N555	CM 1	Faja	0.180	-	0.000	1.100	Globales	0.000	0.000	-1.000
N469/N555	CM 1	Triangular Izq.	0.180	-	1.100	1.450	Globales	0.000	0.000	-1.000
N469/N555	Q 1	Faja	0.500	-	0.000	1.100	Globales	0.000	0.000	-1.000
N469/N555	Q 1	Triangular Izq.	0.500	-	1.100	1.450	Globales	0.000	0.000	-1.000
N469/N555	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N469/N555	V 1	Triangular Izq.	0.500	-	1.100	1.450	Globales	-0.259	0.000	-0.966
N469/N555	V 1	Uniforme	0.500	-	-	-	Globales	-0.307	-0.000	-0.952
N469/N555	V 1	Faja	0.500	-	0.000	1.100	Globales	-0.259	0.000	-0.966
N469/N555	V 2	Uniforme	0.500	-	-	-	Globales	0.307	0.000	0.952
N469/N555	V 2	Faja	0.500	-	0.000	1.100	Globales	0.259	-0.000	0.966
N469/N555	V 2	Triangular Izq.	0.500	-	1.100	1.450	Globales	0.259	-0.000	0.966
N553/N76	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N553/N76	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N553/N76	CM 1	Triangular Der.	0.166	-	0.000	0.500	Globales	0.000	0.000	-1.000
N553/N76	CM 1	Faja	0.166	-	0.500	1.100	Globales	0.000	0.000	-1.000
N553/N76	Q 1	Triangular Der.	0.461	-	0.000	0.500	Globales	0.000	0.000	-1.000
N553/N76	Q 1	Faja	0.461	-	0.500	1.100	Globales	0.000	0.000	-1.000
N553/N76	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N553/N76	V 1	Faja	0.461	-	0.500	1.100	Globales	-0.212	0.000	-0.977
N553/N76	V 1	Uniforme	0.500	-	-	-	Globales	-0.259	-0.000	-0.966
N553/N76	V 1	Triangular Der.	0.461	-	0.000	0.500	Globales	-0.212	0.000	-0.977
N553/N76	V 2	Uniforme	0.500	-	-	-	Globales	0.259	0.000	0.966
N553/N76	V 2	Triangular Der.	0.461	-	0.000	0.500	Globales	0.212	-0.000	0.977
N553/N76	V 2	Faja	0.461	-	0.500	1.100	Globales	0.212	-0.000	0.977
N76/N207	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N76/N207	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N76/N207	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N76/N207	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N76/N207	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N76/N207	V 1	Uniforme	0.500	-	-	-	Globales	-0.259	-0.000	-0.966
N76/N207	V 1	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	-0.977
N76/N207	V 2	Uniforme	0.500	-	-	-	Globales	0.259	0.000	0.966
N76/N207	V 2	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	0.977
N207/N337	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N207/N337	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N207/N337	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N207/N337	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N207/N337	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N207/N337	V 1	Uniforme	0.500	-	-	-	Globales	-0.259	-0.000	-0.966
N207/N337	V 1	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	-0.977
N207/N337	V 2	Uniforme	0.500	-	-	-	Globales	0.259	0.000	0.966
N207/N337	V 2	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	0.977
N337/N467	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N337/N467	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N337/N467	CM 1	Uniforme	0.166	-	-	-	Globales	0.000	0.000	-1.000
N337/N467	Q 1	Uniforme	0.461	-	-	-	Globales	0.000	0.000	-1.000
N337/N467	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N337/N467	V 1	Uniforme	0.500	-	-	-	Globales	-0.259	-0.000	-0.966
N337/N467	V 1	Uniforme	0.461	-	-	-	Globales	-0.212	0.000	-0.977
N337/N467	V 2	Uniforme	0.500	-	-	-	Globales	0.259	0.000	0.966
N337/N467	V 2	Uniforme	0.461	-	-	-	Globales	0.212	-0.000	0.977
N467/N554	Peso propio	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N467/N554	CM 1	Uniforme	0.180	-	-	-	Globales	0.000	0.000	-1.000
N467/N554	CM 1	Faja	0.166	-	0.000	0.600	Globales	0.000	0.000	-1.000
N467/N554	CM 1	Triangular Izq.	0.166	-	0.600	1.100	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N467/N554	Q 1	Faja	0.461	-	0.000	0.600	Globales	0.000	0.000	-1.000
N467/N554	Q 1	Triangular Izq.	0.461	-	0.600	1.100	Globales	0.000	0.000	-1.000
N467/N554	Q 1	Uniforme	0.500	-	-	-	Globales	0.000	0.000	-1.000
N467/N554	V 1	Triangular Izq.	0.461	-	0.600	1.100	Globales	-0.212	0.000	-0.977
N467/N554	V 1	Uniforme	0.500	-	-	-	Globales	-0.259	0.000	-0.966
N467/N554	V 1	Faja	0.461	-	0.000	0.600	Globales	-0.212	0.000	-0.977
N467/N554	V 2	Uniforme	0.500	-	-	-	Globales	0.259	-0.000	0.966
N467/N554	V 2	Faja	0.461	-	0.000	0.600	Globales	0.212	-0.000	0.977
N467/N554	V 2	Triangular Izq.	0.461	-	0.600	1.100	Globales	0.212	-0.000	0.977
N73/N604	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N604/N606	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N606/N602	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N602/N607	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N607/N204	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N204/N597	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N597/N599	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N599/N595	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N595/N600	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N600/N334	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N334/N589	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N589/N588	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N588/N587	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N587/N586	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N586/N464	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N12/N605	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N605/N603	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N603/N609	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N609/N601	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N601/N144	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N144/N598	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N598/N596	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N596/N608	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N608/N594	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N594/N275	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N275/N593	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N593/N592	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N592/N591	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N591/N590	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N590/N405	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N590/N464	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N590/N587	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N592/N587	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N592/N589	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N275/N589	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N593/N589	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N592/N588	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N590/N586	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N594/N334	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N594/N595	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N596/N595	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N596/N597	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N144/N597	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N598/N597	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N596/N599	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N594/N600	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N601/N204	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N601/N602	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N603/N602	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N603/N604	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N12/N604	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N605/N604	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N603/N606	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N601/N607	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N591/N587	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N608/N595	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N609/N602	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N133/N629	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N629/N632	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N632/N627	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N627/N630	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N630/N264	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N264/N621	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N621/N624	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N624/N619	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N619/N622	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N622/N394	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N394/N613	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N613/N612	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N612/N611	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N611/N610	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N610/N524	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N5/N633	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N633/N628	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N628/N631	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N631/N626	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N626/N139	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N139/N625	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N625/N620	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N620/N623	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N623/N618	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N618/N270	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N270/N617	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N617/N616	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N616/N615	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N615/N614	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N614/N400	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N614/N524	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N614/N611	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N616/N611	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N616/N613	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N270/N613	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N614/N610	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N615/N611	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N616/N612	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N617/N613	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N618/N394	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N618/N619	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N620/N619	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N620/N621	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N139/N621	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N618/N622	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N623/N619	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N620/N624	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N625/N621	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N626/N264	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N626/N627	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N628/N627	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N628/N629	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N5/N629	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N626/N630	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N631/N627	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N628/N632	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N633/N629	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N105/N652	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N652/N654	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N654/N650	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N650/N653	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N653/N236	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N236/N645	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N645/N647	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N647/N643	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N643/N646	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N646/N366	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N366/N637	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N637/N636	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N636/N635	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N635/N634	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N634/N496	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N40/N655	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N655/N651	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N651/N657	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N657/N649	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N649/N172	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N172/N648	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N648/N644	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N644/N656	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N656/N642	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N642/N302	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N302/N641	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N641/N640	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N640/N639	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N639/N638	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N638/N432	Peso propio	Uniforme	0.157	-	-	-	Globales	0.000	0.000	-1.000
N638/N496	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N638/N635	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N640/N635	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N640/N637	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N302/N637	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N638/N634	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N640/N636	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N641/N637	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N642/N366	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N642/N643	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N644/N643	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N644/N645	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N172/N645	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N642/N646	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N644/N647	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N648/N645	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N649/N236	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N649/N650	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N651/N650	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N651/N652	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N40/N652	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N649/N653	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N651/N654	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N655/N652	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N639/N635	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N656/N643	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N657/N650	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N4/N6	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N11/N7	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N1/N2	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N2/N3	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N3/N4	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N4/N5	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N138/N658	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N269/N659	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N399/N661	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N143/N663	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N274/N665	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N404/N667	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N201/N663	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N663/N200	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N200/N664	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N664/N199	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N663/N205	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N663/N207	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N664/N207	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N664/N209	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N664/N208	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N663/N206	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N658/N147	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N146/N658	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N658/N262	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N658/N261	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N658/N263	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N331/N665	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N665/N330	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N330/N666	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N666/N329	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N665/N335	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N665/N337	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N666/N337	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N666/N339	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N665/N336	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N666/N338	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N660/N279	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N278/N660	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N659/N278	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N277/N659	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N659/N393	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N659/N391	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N660/N391	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N660/N389	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N660/N390	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N659/N392	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N461/N667	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N667/N460	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N460/N668	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N668/N459	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N667/N465	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N667/N467	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N668/N467	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N668/N469	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N668/N468	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N667/N466	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N662/N409	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N408/N662	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N661/N408	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N407/N661	Peso propio	Uniforme	0.236	-	-	-	Globales	0.000	0.000	-1.000
N662/N519	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N662/N521	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N661/N521	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N661/N523	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N661/N522	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N662/N520	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N401/N402	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N402/N403	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N403/N404	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N404/N405	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N271/N272	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N272/N273	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N273/N274	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N274/N275	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N140/N141	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N141/N142	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N142/N143	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N143/N144	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N8/N9	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N9/N10	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N10/N11	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N11/N12	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N135/N136	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N136/N137	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N137/N138	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N138/N139	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N266/N267	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N267/N268	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N268/N269	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N269/N270	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N396/N397	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N397/N398	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N398/N399	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N399/N400	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N669/N672	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N672/N671	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N671/N670	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N670/N6	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N2/N672	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N3/N671	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N4/N670	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N671/N4	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N2/N671	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N671/N16	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N673/N676	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N676/N675	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N675/N674	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N674/N7	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N676/N9	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N675/N10	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N674/N11	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N675/N68	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N675/N11	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N9/N675	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N677/N148	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N136/N679	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N137/N677	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N138/N680	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N677/N138	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N136/N677	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N681/N660	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N267/N683	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N268/N681	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N269/N684	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N681/N269	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N267/N681	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N685/N662	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N397/N687	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N398/N685	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N399/N688	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N685/N399	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N397/N685	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N686/N687	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N687/N685	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N685/N688	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N688/N661	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N682/N683	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N683/N681	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N681/N684	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N684/N659	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N678/N679	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N679/N677	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N677/N680	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N680/N658	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N689/N664	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N690/N691	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N691/N689	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N689/N692	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N692/N663	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N691/N141	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N689/N142	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N689/N143	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N141/N689	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N692/N143	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N693/N666	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N694/N695	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N695/N693	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N693/N696	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N696/N665	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N695/N272	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N693/N273	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N693/N274	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N272/N693	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N696/N274	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N697/N668	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N698/N699	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N699/N697	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N697/N700	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N700/N667	Peso propio	Uniforme	0.594	-	-	-	Globales	0.000	0.000	-1.000
N699/N402	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N697/N403	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N697/N404	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N402/N697	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000
N700/N404	Peso propio	Uniforme	0.159	-	-	-	Globales	0.000	0.000	-1.000

1.1. Resultados

1.1.1. Nudos

1.1.1.1. Desplazamientos

Referencias:

Dx, Dy, Dz: Desplazamientos de los nudos en ejes globales.
Gx, Gy, Gz: Giros de los nudos en ejes globales.

1.1.1.1.1. Envolventes

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N1	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N2	Desplazamientos	Valor mínimo de la envolvente	-1.331	-0.429	-0.122	-0.924	-1.764	-0.880
		Valor máximo de la envolvente	0.692	0.421	0.100	0.937	1.014	0.892
N3	Desplazamientos	Valor mínimo de la envolvente	-2.830	-1.521	-0.166	-1.549	-1.632	-1.753
		Valor máximo de la envolvente	1.670	1.503	0.159	1.557	1.214	1.774
N4	Desplazamientos	Valor mínimo de la envolvente	-4.201	-2.973	-0.207	-1.749	-1.568	-2.549
		Valor máximo de la envolvente	2.821	2.952	0.216	1.748	1.443	2.577
N5	Desplazamientos	Valor mínimo de la envolvente	-5.381	-4.162	-0.214	-1.485	-1.601	-2.919
		Valor máximo de la envolvente	3.962	4.146	0.231	1.473	1.560	2.953
N6	Desplazamientos	Valor mínimo de la envolvente	-5.784	-13.297	-2.175	-3.056	-1.483	-4.694
		Valor máximo de la envolvente	4.258	13.371	2.663	3.087	1.403	4.784
N7	Desplazamientos	Valor mínimo de la envolvente	-3.949	-12.764	-2.018	-2.917	-1.267	-4.634
		Valor máximo de la envolvente	5.535	12.839	2.537	2.947	1.367	4.543
N8	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N9	Desplazamientos	Valor mínimo de la envolvente	-0.672	-0.389	-0.111	-0.848	-0.972	-0.857
		Valor máximo de la envolvente	1.321	0.382	0.088	0.860	1.737	0.846
N10	Desplazamientos	Valor mínimo de la envolvente	-1.595	-1.396	-0.145	-1.429	-1.127	-1.708
		Valor máximo de la envolvente	2.780	1.379	0.136	1.438	1.562	1.688
N11	Desplazamientos	Valor mínimo de la envolvente	-2.645	-2.735	-0.176	-1.610	-1.297	-2.483
		Valor máximo de la envolvente	4.066	2.715	0.182	1.608	1.442	2.456
N12	Desplazamientos	Valor mínimo de la envolvente	-3.657	-3.820	-0.179	-1.351	-1.381	-2.843
		Valor máximo de la envolvente	5.131	3.805	0.193	1.338	1.440	2.812
N13	Desplazamientos	Valor mínimo de la envolvente	-5.270	-1.854	-1.461	-0.423	-1.482	-3.473
		Valor máximo de la envolvente	3.853	1.787	1.460	0.362	1.483	3.532
N14	Desplazamientos	Valor mínimo de la envolvente	-5.565	-8.067	-0.931	-2.215	-1.232	-4.305
		Valor máximo de la envolvente	4.091	8.075	1.218	2.254	0.913	4.338
N15	Desplazamientos	Valor mínimo de la envolvente	-6.080	-19.702	-3.610	-4.096	-1.390	-7.015
		Valor máximo de la envolvente	4.499	19.910	4.002	4.169	1.551	7.218
N16	Desplazamientos	Valor mínimo de la envolvente	-6.407	-27.982	-5.239	-4.410	-1.354	-7.300
		Valor máximo de la envolvente	4.827	28.424	5.350	4.510	1.752	7.576
N17	Desplazamientos	Valor mínimo de la envolvente	-6.872	-38.138	-7.687	-5.373	-0.897	-10.171
		Valor máximo de la envolvente	5.311	38.928	6.369	5.711	3.082	10.669
N18	Desplazamientos	Valor mínimo de la envolvente	-7.271	-50.653	-10.277	-5.397	-0.804	-11.535
		Valor máximo de la envolvente	5.887	51.884	7.119	6.004	2.906	12.161
N19	Desplazamientos	Valor mínimo de la envolvente	-7.602	-64.085	-12.748	-4.996	-0.711	-12.037
		Valor máximo de la envolvente	6.589	65.763	7.818	5.846	3.103	12.752
N20	Desplazamientos	Valor mínimo de la envolvente	-7.912	-77.816	-15.122	-4.587	-0.679	-12.206
		Valor máximo de la envolvente	7.333	79.902	8.410	5.671	2.867	12.976

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N21	Desplazamientos	Valor mínimo de la envolvente	-8.211	-93.230	-17.275	-5.420	-0.638	-12.004
		Valor máximo de la envolvente	8.146	95.651	9.001	6.663	2.709	12.790
N22	Desplazamientos	Valor mínimo de la envolvente	-8.565	-105.882	-19.227	-6.134	-0.612	-11.758
		Valor máximo de la envolvente	9.018	108.536	9.514	7.516	2.296	12.533
N23	Desplazamientos	Valor mínimo de la envolvente	-8.955	-118.191	-20.865	-6.802	-0.582	-11.203
		Valor máximo de la envolvente	9.889	120.954	10.036	8.230	1.922	11.912
N24	Desplazamientos	Valor mínimo de la envolvente	-9.323	-130.312	-22.230	-7.505	-0.523	-10.657
		Valor máximo de la envolvente	10.692	133.046	10.466	8.953	1.445	11.285
N25	Desplazamientos	Valor mínimo de la envolvente	-9.720	-142.061	-23.220	-7.991	-0.464	-9.949
		Valor máximo de la envolvente	11.397	144.633	10.857	9.365	1.019	10.446
N26	Desplazamientos	Valor mínimo de la envolvente	-10.067	-153.479	-23.906	-8.275	-0.373	-9.431
		Valor máximo de la envolvente	11.974	155.764	11.125	9.543	0.669	9.800
N27	Desplazamientos	Valor mínimo de la envolvente	-10.380	-163.385	-24.191	-8.448	-0.336	-8.914
		Valor máximo de la envolvente	12.324	165.372	11.282	9.560	0.423	9.131
N28	Desplazamientos	Valor mínimo de la envolvente	-10.535	-173.038	-24.117	-8.653	-0.382	-8.569
		Valor máximo de la envolvente	12.480	174.727	11.141	9.589	0.389	8.656
N29	Desplazamientos	Valor mínimo de la envolvente	-10.676	-182.498	-23.830	-8.757	-0.454	-8.257
		Valor máximo de la envolvente	12.530	183.879	10.902	9.507	0.356	8.226
N30	Desplazamientos	Valor mínimo de la envolvente	-10.700	-191.589	-23.231	-8.909	-0.734	-8.063
		Valor máximo de la envolvente	12.459	192.671	10.368	9.465	0.588	7.957
N31	Desplazamientos	Valor mínimo de la envolvente	-10.713	-200.409	-22.449	-8.732	-0.941	-7.963
		Valor máximo de la envolvente	12.320	201.216	9.736	9.126	0.770	7.821
N32	Desplazamientos	Valor mínimo de la envolvente	-10.649	-208.981	-22.036	-8.250	-1.274	-8.029
		Valor máximo de la envolvente	12.130	209.565	8.812	8.482	1.109	7.889
N33	Desplazamientos	Valor mínimo de la envolvente	-10.438	-217.427	-21.728	-7.515	-1.532	-8.184
		Valor máximo de la envolvente	11.763	217.847	7.667	7.635	1.356	8.075
N34	Desplazamientos	Valor mínimo de la envolvente	-10.210	-225.991	-21.525	-6.976	-1.580	-8.348
		Valor máximo de la envolvente	11.400	226.319	6.345	6.989	1.422	8.290
N35	Desplazamientos	Valor mínimo de la envolvente	-9.993	-234.517	-21.230	-6.219	-1.679	-8.536
		Valor máximo de la envolvente	11.031	234.821	4.984	6.182	1.526	8.540
N36	Desplazamientos	Valor mínimo de la envolvente	-9.809	-242.855	-21.057	-5.299	-1.699	-8.589
		Valor máximo de la envolvente	10.717	243.205	3.543	5.228	1.565	8.657
N37	Desplazamientos	Valor mínimo de la envolvente	-9.639	-250.996	-20.807	-3.988	-1.739	-8.496
		Valor máximo de la envolvente	10.407	251.449	2.085	3.924	1.623	8.628
N38	Desplazamientos	Valor mínimo de la envolvente	-9.531	-259.279	-20.689	-2.482	-1.729	-7.666
		Valor máximo de la envolvente	10.163	259.900	0.698	2.433	1.638	7.839
N39	Desplazamientos	Valor mínimo de la envolvente	-9.412	-265.050	-20.531	-1.630	-1.746	-5.989
		Valor máximo de la envolvente	9.929	265.819	0.768	1.583	1.674	6.149
N40	Desplazamientos	Valor mínimo de la envolvente	-9.147	-268.856	-20.467	-0.996	-1.678	-2.099
		Valor máximo de la envolvente	9.540	269.736	0.880	0.936	1.597	2.144
N41	Desplazamientos	Valor mínimo de la envolvente	-9.078	-268.836	-20.321	-1.474	-1.642	-2.021
		Valor máximo de la envolvente	9.346	269.689	1.038	1.416	1.566	1.925
N42	Desplazamientos	Valor mínimo de la envolvente	-9.057	-265.414	-20.336	-2.876	-1.557	-3.967
		Valor máximo de la envolvente	9.177	266.122	1.161	2.776	1.511	3.828
N43	Desplazamientos	Valor mínimo de la envolvente	-9.078	-260.290	-20.242	-4.952	-1.500	-4.794
		Valor máximo de la envolvente	9.043	260.838	1.250	4.773	1.476	4.678
N44	Desplazamientos	Valor mínimo de la envolvente	-9.152	-255.676	-20.329	-6.613	-1.409	-4.903
		Valor máximo de la envolvente	8.994	256.125	1.261	6.373	1.424	4.831
N45	Desplazamientos	Valor mínimo de la envolvente	-9.250	-250.735	-20.362	-7.955	-1.352	-5.045

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	8.970	251.115	1.243	7.676	1.384	5.015
N46	Desplazamientos	Valor mínimo de la envolvente	-9.367	-245.782	-20.496	-9.051	-1.252	-5.125
		Valor máximo de la envolvente	8.967	246.127	1.556	8.746	1.307	5.138
N47	Desplazamientos	Valor mínimo de la envolvente	-9.521	-239.576	-20.596	-9.837	-1.152	-5.338
		Valor máximo de la envolvente	8.985	239.910	2.812	9.545	1.237	5.395
N48	Desplazamientos	Valor mínimo de la envolvente	-9.683	-233.368	-20.824	-10.429	-1.028	-5.516
		Valor máximo de la envolvente	9.006	233.731	3.831	10.163	1.138	5.616
N49	Desplazamientos	Valor mínimo de la envolvente	-9.854	-226.633	-20.996	-10.572	-0.918	-5.712
		Valor máximo de la envolvente	9.042	227.062	4.795	10.385	1.054	5.854
N50	Desplazamientos	Valor mínimo de la envolvente	-10.022	-219.757	-21.271	-10.606	-0.787	-5.898
		Valor máximo de la envolvente	9.060	220.303	5.580	10.512	0.934	6.077
N51	Desplazamientos	Valor mínimo de la envolvente	-10.185	-212.197	-21.480	-10.305	-0.660	-6.061
		Valor máximo de la envolvente	9.085	212.919	6.306	10.363	0.828	6.276
N52	Desplazamientos	Valor mínimo de la envolvente	-10.329	-204.638	-21.779	-9.939	-0.524	-6.275
		Valor máximo de la envolvente	9.073	205.601	6.850	10.150	0.685	6.506
N53	Desplazamientos	Valor mínimo de la envolvente	-10.444	-196.555	-21.984	-9.420	-0.384	-6.541
		Valor máximo de la envolvente	9.056	197.819	7.316	9.825	0.559	6.761
N54	Desplazamientos	Valor mínimo de la envolvente	-10.524	-188.138	-22.271	-8.936	-0.305	-7.012
		Valor máximo de la envolvente	8.983	189.737	7.608	9.517	0.456	7.166
N55	Desplazamientos	Valor mínimo de la envolvente	-10.545	-179.153	-22.424	-8.298	-0.326	-7.660
		Valor máximo de la envolvente	8.901	181.084	7.823	9.053	0.432	7.683
N56	Desplazamientos	Valor mínimo de la envolvente	-10.487	-169.622	-22.510	-7.513	-0.386	-8.417
		Valor máximo de la envolvente	8.750	171.817	7.873	8.444	0.385	8.257
N57	Desplazamientos	Valor mínimo de la envolvente	-10.333	-160.076	-22.401	-6.735	-0.429	-8.863
		Valor máximo de la envolvente	8.587	162.506	7.860	7.847	0.360	8.546
N58	Desplazamientos	Valor mínimo de la envolvente	-10.064	-150.159	-22.185	-6.107	-0.621	-9.393
		Valor máximo de la envolvente	8.342	152.792	7.684	7.376	0.347	8.932
N59	Desplazamientos	Valor mínimo de la envolvente	-9.585	-138.339	-21.451	-5.559	-0.984	-9.921
		Valor máximo de la envolvente	8.086	141.195	7.463	6.929	0.351	9.348
N60	Desplazamientos	Valor mínimo de la envolvente	-9.042	-126.452	-20.388	-5.140	-1.430	-10.658
		Valor máximo de la envolvente	7.832	129.390	7.210	6.580	0.333	9.971
N61	Desplazamientos	Valor mínimo de la envolvente	-8.392	-114.248	-18.757	-4.888	-1.904	-11.228
		Valor máximo de la envolvente	7.610	117.178	6.978	6.307	0.316	10.475
N62	Desplazamientos	Valor mínimo de la envolvente	-7.722	-101.595	-16.784	-4.734	-2.267	-11.868
		Valor máximo de la envolvente	7.398	104.360	6.731	6.106	0.292	11.060
N63	Desplazamientos	Valor mínimo de la envolvente	-7.036	-88.527	-14.574	-4.808	-2.690	-12.184
		Valor máximo de la envolvente	7.226	91.040	6.528	6.041	0.264	11.374
N64	Desplazamientos	Valor mínimo de la envolvente	-6.423	-75.268	-12.813	-4.951	-2.835	-12.419
		Valor máximo de la envolvente	7.101	77.411	6.302	6.023	0.279	11.631
N65	Desplazamientos	Valor mínimo de la envolvente	-5.833	-61.933	-10.871	-5.287	-3.083	-12.200
		Valor máximo de la envolvente	6.942	63.658	6.093	6.127	0.278	11.471
N66	Desplazamientos	Valor mínimo de la envolvente	-5.299	-48.929	-8.836	-5.542	-2.875	-11.645
		Valor máximo de la envolvente	6.761	50.184	5.810	6.139	0.380	11.009
N67	Desplazamientos	Valor mínimo de la envolvente	-4.847	-36.830	-6.729	-5.395	-3.065	-10.248
		Valor máximo de la envolvente	6.485	37.637	5.492	5.726	0.371	9.743
N68	Desplazamientos	Valor mínimo de la envolvente	-4.489	-27.015	-4.759	-4.332	-1.507	-7.313
		Valor máximo de la envolvente	6.137	27.465	4.940	4.429	1.127	7.034
N69	Desplazamientos	Valor mínimo de la envolvente	-4.180	-18.944	-3.324	-3.983	-1.403	-7.003
		Valor máximo de la envolvente	5.825	19.155	3.764	4.054	1.264	6.796

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N70	Desplazamientos	Valor mínimo de la envolvente	-3.787	-7.642	-0.885	-2.095	-0.863	-4.220
		Valor máximo de la envolvente	5.318	7.649	1.186	2.135	1.189	4.186
N71	Desplazamientos	Valor mínimo de la envolvente	-3.566	-1.444	-1.239	-0.310	-1.250	-3.407
		Valor máximo de la envolvente	5.037	1.383	1.222	0.251	1.266	3.352
N72	Desplazamientos	Valor mínimo de la envolvente	-4.761	-1.371	-1.235	-0.560	-1.300	-3.112
		Valor máximo de la envolvente	6.242	1.439	1.218	0.082	1.316	3.193
N73	Desplazamientos	Valor mínimo de la envolvente	-4.955	-3.982	-0.163	-0.490	-1.164	-3.791
		Valor máximo de la envolvente	6.430	4.014	0.188	0.119	1.300	3.852
N74	Desplazamientos	Valor mínimo de la envolvente	-5.166	-9.095	-0.879	-1.258	-1.004	-5.034
		Valor máximo de la envolvente	6.670	9.131	1.192	0.971	1.288	5.108
N75	Desplazamientos	Valor mínimo de la envolvente	-5.409	-14.382	-1.743	-2.164	-1.202	-6.875
		Valor máximo de la envolvente	6.867	14.435	2.279	2.068	1.289	6.856
N76	Desplazamientos	Valor mínimo de la envolvente	-5.742	-21.768	-3.036	-2.514	-1.393	-6.764
		Valor máximo de la envolvente	7.079	21.831	3.526	2.633	1.263	6.774
N77	Desplazamientos	Valor mínimo de la envolvente	-6.129	-30.525	-4.396	-3.591	-1.654	-9.402
		Valor máximo de la envolvente	7.269	30.628	4.661	3.963	0.949	9.219
N78	Desplazamientos	Valor mínimo de la envolvente	-6.634	-40.499	-6.206	-3.076	-2.826	-8.933
		Valor máximo de la envolvente	7.280	40.631	5.238	3.792	0.445	8.783
N79	Desplazamientos	Valor mínimo de la envolvente	-7.148	-51.730	-8.214	-3.804	-3.049	-11.971
		Valor máximo de la envolvente	7.306	51.893	5.576	4.742	0.337	11.580
N80	Desplazamientos	Valor mínimo de la envolvente	-7.738	-63.761	-10.152	-2.713	-3.053	-10.823
		Valor máximo de la envolvente	7.378	63.971	5.886	3.997	0.286	10.402
N81	Desplazamientos	Valor mínimo de la envolvente	-8.319	-76.362	-12.052	-3.558	-2.956	-13.421
		Valor máximo de la envolvente	7.490	76.618	6.087	5.030	0.253	12.768
N82	Desplazamientos	Valor mínimo de la envolvente	-8.884	-89.310	-13.790	-2.572	-2.666	-11.602
		Valor máximo de la envolvente	7.628	89.625	6.335	4.345	0.270	10.884
N83	Desplazamientos	Valor mínimo de la envolvente	-9.400	-102.222	-15.801	-3.792	-2.328	-13.481
		Valor máximo de la envolvente	7.770	102.601	6.525	5.597	0.284	12.576
N84	Desplazamientos	Valor mínimo de la envolvente	-9.845	-114.896	-17.797	-3.148	-1.892	-11.393
		Valor máximo de la envolvente	7.952	115.350	6.790	5.095	0.325	10.470
N85	Desplazamientos	Valor mínimo de la envolvente	-10.227	-127.685	-19.596	-4.865	-1.454	-12.693
		Valor máximo de la envolvente	8.120	128.216	7.018	6.626	0.334	11.686
N86	Desplazamientos	Valor mínimo de la envolvente	-10.495	-139.747	-20.773	-4.653	-0.955	-10.385
		Valor máximo de la envolvente	8.329	140.362	7.311	6.350	0.376	9.463
N87	Desplazamientos	Valor mínimo de la envolvente	-10.681	-151.826	-21.715	-6.599	-0.619	-11.244
		Valor máximo de la envolvente	8.490	152.517	7.560	7.957	0.318	10.355
N88	Desplazamientos	Valor mínimo de la envolvente	-10.697	-163.627	-22.104	-6.780	-0.463	-9.035
		Valor máximo de la envolvente	8.645	164.395	7.784	7.913	0.438	8.337
N89	Desplazamientos	Valor mínimo de la envolvente	-10.593	-175.366	-22.278	-8.134	-0.364	-10.296
		Valor máximo de la envolvente	8.689	176.186	7.873	9.032	0.367	9.698
N90	Desplazamientos	Valor mínimo de la envolvente	-10.404	-186.973	-22.360	-8.068	-0.325	-8.980
		Valor máximo de la envolvente	8.684	187.878	7.882	8.808	0.412	8.593
N91	Desplazamientos	Valor mínimo de la envolvente	-10.098	-198.540	-22.218	-10.207	-0.276	-8.803
		Valor máximo de la envolvente	8.578	199.468	7.735	10.525	0.453	8.573
N92	Desplazamientos	Valor mínimo de la envolvente	-9.757	-209.293	-22.032	-11.181	-0.381	-6.222
		Valor máximo de la envolvente	8.445	210.297	7.502	11.071	0.540	6.205
N93	Desplazamientos	Valor mínimo de la envolvente	-9.387	-219.422	-21.817	-12.167	-0.528	-7.109
		Valor máximo de la envolvente	8.246	220.470	7.095	11.913	0.695	7.177
N94	Desplazamientos	Valor mínimo de la envolvente	-8.982	-228.986	-21.560	-12.477	-0.674	-5.341

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	8.022	230.066	6.578	12.015	0.834	5.461
N95	Desplazamientos	Valor mínimo de la envolvente	-8.582	-237.863	-21.317	-12.939	-0.785	-6.336
		Valor máximo de la envolvente	7.768	238.986	5.896	12.430	0.934	6.447
N96	Desplazamientos	Valor mínimo de la envolvente	-8.176	-246.030	-21.068	-12.878	-0.931	-4.591
		Valor máximo de la envolvente	7.510	247.194	5.108	12.293	1.057	4.717
N97	Desplazamientos	Valor mínimo de la envolvente	-7.797	-253.243	-20.850	-12.908	-1.023	-5.245
		Valor máximo de la envolvente	7.252	254.425	4.162	12.337	1.136	5.368
N98	Desplazamientos	Valor mínimo de la envolvente	-7.433	-259.542	-20.649	-12.680	-1.169	-3.587
		Valor máximo de la envolvente	7.010	260.728	3.119	12.101	1.248	3.698
N99	Desplazamientos	Valor mínimo de la envolvente	-7.116	-264.692	-20.502	-12.139	-1.242	-3.863
		Valor máximo de la envolvente	6.792	265.871	1.925	11.597	1.296	3.960
N100	Desplazamientos	Valor mínimo de la envolvente	-6.837	-268.815	-20.387	-11.627	-1.344	-2.385
		Valor máximo de la envolvente	6.611	269.976	1.232	11.105	1.373	2.466
N101	Desplazamientos	Valor mínimo de la envolvente	-6.613	-271.553	-20.306	-10.765	-1.408	-2.160
		Valor máximo de la envolvente	6.477	272.686	1.254	10.289	1.423	2.233
N102	Desplazamientos	Valor mínimo de la envolvente	-6.437	-273.175	-20.260	-10.186	-1.490	-1.462
		Valor máximo de la envolvente	6.389	274.272	1.248	9.733	1.462	1.516
N103	Desplazamientos	Valor mínimo de la envolvente	-6.320	-273.391	-20.297	-7.932	-1.555	-1.519
		Valor máximo de la envolvente	6.384	274.433	1.152	7.567	1.508	1.566
N104	Desplazamientos	Valor mínimo de la envolvente	-6.290	-272.393	-20.341	-7.029	-1.625	-1.279
		Valor máximo de la envolvente	6.468	273.388	1.034	6.696	1.559	1.283
N105	Desplazamientos	Valor mínimo de la envolvente	-6.352	-270.573	-20.439	-4.313	-1.680	-2.193
		Valor máximo de la envolvente	6.628	271.546	0.925	4.077	1.598	2.220
N106	Desplazamientos	Valor mínimo de la envolvente	-6.565	-268.123	-20.560	-6.759	-1.713	-2.793
		Valor máximo de la envolvente	6.941	269.035	0.748	6.432	1.643	2.818
N107	Desplazamientos	Valor mínimo de la envolvente	-6.763	-264.319	-20.702	-7.521	-1.717	-4.519
		Valor máximo de la envolvente	7.246	265.179	0.897	7.173	1.628	4.512
N108	Desplazamientos	Valor mínimo de la envolvente	-6.992	-259.307	-20.869	-8.878	-1.736	-4.584
		Valor máximo de la envolvente	7.586	260.122	2.485	8.459	1.627	4.551
N109	Desplazamientos	Valor mínimo de la envolvente	-7.306	-253.010	-21.087	-9.508	-1.694	-6.352
		Valor máximo de la envolvente	8.031	253.783	4.015	9.089	1.558	6.298
N110	Desplazamientos	Valor mínimo de la envolvente	-7.674	-245.734	-21.315	-10.193	-1.656	-5.732
		Valor máximo de la envolvente	8.530	246.460	5.494	9.740	1.510	5.667
N111	Desplazamientos	Valor mínimo de la envolvente	-8.107	-237.458	-21.573	-10.499	-1.587	-7.474
		Valor máximo de la envolvente	9.122	238.127	6.873	10.111	1.425	7.411
N112	Desplazamientos	Valor mínimo de la envolvente	-8.569	-228.603	-21.816	-10.391	-1.498	-6.352
		Valor máximo de la envolvente	9.737	229.220	8.172	10.036	1.328	6.277
N113	Desplazamientos	Valor mínimo de la envolvente	-9.063	-219.245	-22.073	-10.257	-1.279	-7.887
		Valor máximo de la envolvente	10.419	219.828	9.305	10.071	1.108	7.839
N114	Desplazamientos	Valor mínimo de la envolvente	-9.486	-209.486	-22.884	-9.551	-0.937	-6.734
		Valor máximo de la envolvente	11.016	210.042	10.150	9.482	0.780	6.741
N115	Desplazamientos	Valor mínimo de la envolvente	-9.816	-199.205	-23.531	-9.219	-0.771	-8.481
		Valor máximo de la envolvente	11.555	199.722	10.706	9.431	0.606	8.623
N116	Desplazamientos	Valor mínimo de la envolvente	-10.121	-188.352	-24.011	-9.199	-0.498	-7.552
		Valor máximo de la envolvente	12.060	188.848	11.125	9.660	0.394	7.823
N117	Desplazamientos	Valor mínimo de la envolvente	-10.256	-177.328	-24.107	-8.979	-0.342	-9.524
		Valor máximo de la envolvente	12.380	177.755	11.268	9.757	0.355	10.007
N118	Desplazamientos	Valor mínimo de la envolvente	-10.328	-165.881	-24.013	-8.713	-0.413	-8.721
		Valor máximo de la envolvente	12.595	166.308	11.282	9.832	0.452	9.345

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N119	Desplazamientos	Valor mínimo de la envolvente	-10.218	-154.176	-23.557	-8.318	-0.347	-10.906
		Valor máximo de la envolvente	12.608	154.581	11.047	9.669	0.659	11.730
N120	Desplazamientos	Valor mínimo de la envolvente	-10.055	-142.318	-22.677	-7.875	-0.487	-10.052
		Valor máximo de la envolvente	12.414	142.694	10.700	9.588	1.030	10.934
N121	Desplazamientos	Valor mínimo de la envolvente	-9.801	-130.497	-21.562	-7.382	-0.531	-12.233
		Valor máximo de la envolvente	12.093	130.839	10.239	9.163	1.459	13.194
N122	Desplazamientos	Valor mínimo de la envolvente	-9.558	-118.145	-20.059	-6.589	-0.601	-11.004
		Valor máximo de la envolvente	11.625	118.454	9.774	8.554	1.908	11.897
N123	Desplazamientos	Valor mínimo de la envolvente	-9.266	-105.898	-18.347	-5.929	-0.604	-13.135
		Valor máximo de la envolvente	11.055	106.165	9.213	7.749	2.362	14.010
N124	Desplazamientos	Valor mínimo de la envolvente	-9.012	-91.019	-16.374	-4.980	-0.660	-11.311
		Valor máximo de la envolvente	10.419	91.251	8.700	6.765	2.697	12.010
N125	Desplazamientos	Valor mínimo de la envolvente	-8.739	-78.036	-14.240	-4.376	-0.654	-13.108
		Valor máximo de la envolvente	9.708	78.230	8.083	5.860	2.981	13.746
N126	Desplazamientos	Valor mínimo de la envolvente	-8.495	-65.258	-11.911	-3.455	-0.728	-10.755
		Valor máximo de la envolvente	8.979	65.423	7.495	4.748	3.081	11.166
N127	Desplazamientos	Valor mínimo de la envolvente	-8.265	-53.103	-9.560	-3.583	-0.762	-12.024
		Valor máximo de la envolvente	8.226	53.232	6.787	4.535	3.076	12.410
N128	Desplazamientos	Valor mínimo de la envolvente	-8.107	-41.456	-7.077	-2.950	-0.946	-9.057
		Valor máximo de la envolvente	7.562	41.563	6.026	3.678	2.839	9.202
N129	Desplazamientos	Valor mínimo de la envolvente	-7.899	-31.402	-4.810	-3.446	-1.276	-9.384
		Valor máximo de la envolvente	6.855	31.488	5.008	3.831	2.006	9.564
N130	Desplazamientos	Valor mínimo de la envolvente	-7.600	-22.510	-3.260	-2.459	-1.414	-6.915
		Valor máximo de la envolvente	6.351	22.562	3.705	2.591	1.565	6.902
N131	Desplazamientos	Valor mínimo de la envolvente	-7.310	-15.017	-1.832	-2.188	-1.382	-7.001
		Valor máximo de la envolvente	5.934	15.064	2.342	2.104	1.311	7.017
N132	Desplazamientos	Valor mínimo de la envolvente	-7.102	-9.619	-0.914	-1.320	-1.327	-5.235
		Valor máximo de la envolvente	5.677	9.653	1.213	1.046	1.063	5.161
N133	Desplazamientos	Valor mínimo de la envolvente	-6.866	-4.331	-0.230	-0.489	-1.437	-3.947
		Valor máximo de la envolvente	5.465	4.361	0.259	0.185	1.319	3.890
N134	Desplazamientos	Valor mínimo de la envolvente	-6.698	-1.885	-1.457	-0.574	-1.518	-3.286
		Valor máximo de la envolvente	5.288	1.954	1.457	0.084	1.517	3.208
N135	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N136	Desplazamientos	Valor mínimo de la envolvente	-1.572	-0.458	-0.142	-0.992	-2.089	-0.849
		Valor máximo de la envolvente	1.001	0.460	0.122	0.989	1.425	0.846
N137	Desplazamientos	Valor mínimo de la envolvente	-3.352	-1.598	-0.191	-1.608	-1.940	-1.694
		Valor máximo de la envolvente	2.328	1.602	0.184	1.605	1.594	1.689
N138	Desplazamientos	Valor mínimo de la envolvente	-4.980	-3.066	-0.237	-1.725	-1.853	-2.460
		Valor máximo de la envolvente	3.793	3.071	0.244	1.725	1.791	2.453
N139	Desplazamientos	Valor mínimo de la envolvente	-6.364	-4.201	-0.243	-1.332	-1.867	-2.774
		Valor máximo de la envolvente	5.186	4.206	0.256	1.332	1.894	2.764
N140	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N141	Desplazamientos	Valor mínimo de la envolvente	-0.812	-0.415	-0.132	-0.909	-1.175	-0.820
		Valor máximo de la envolvente	1.398	0.417	0.110	0.906	1.860	0.821
N142	Desplazamientos	Valor mínimo de la envolvente	-1.929	-1.465	-0.181	-1.485	-1.370	-1.638
		Valor máximo de la envolvente	2.987	1.469	0.171	1.482	1.741	1.641
N143	Desplazamientos	Valor mínimo de la envolvente	-3.213	-2.819	-0.227	-1.589	-1.599	-2.379

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	4.457	2.825	0.230	1.588	1.688	2.384
N144	Desplazamientos	Valor mínimo de la envolvente	-4.463	-3.854	-0.236	-1.210	-1.712	-2.678
		Valor máximo de la envolvente	5.719	3.861	0.245	1.209	1.714	2.685
N145	Desplazamientos	Valor mínimo de la envolvente	-6.239	-2.015	-1.643	-0.263	-1.631	-3.216
		Valor máximo de la envolvente	5.058	2.035	1.694	0.262	1.700	3.193
N146	Desplazamientos	Valor mínimo de la envolvente	-6.590	-8.079	-1.244	-2.225	-1.470	-4.410
		Valor máximo de la envolvente	5.364	8.082	1.465	2.212	1.202	4.408
N147	Desplazamientos	Valor mínimo de la envolvente	-7.260	-19.940	-4.612	-4.173	-1.727	-7.181
		Valor máximo de la envolvente	5.939	19.916	4.844	4.139	1.926	7.144
N148	Desplazamientos	Valor mínimo de la envolvente	-7.679	-28.359	-6.561	-4.499	-1.606	-7.490
		Valor máximo de la envolvente	6.364	28.293	6.482	4.455	2.025	7.432
N149	Desplazamientos	Valor mínimo de la envolvente	-8.183	-38.659	-9.072	-5.491	-0.936	-10.377
		Valor máximo de la envolvente	6.885	38.525	7.602	5.364	3.232	10.263
N150	Desplazamientos	Valor mínimo de la envolvente	-8.628	-51.283	-11.702	-5.614	-0.970	-11.744
		Valor máximo de la envolvente	7.499	51.063	8.446	5.403	3.013	11.599
N151	Desplazamientos	Valor mínimo de la envolvente	-9.027	-64.804	-14.241	-5.330	-0.881	-12.324
		Valor máximo de la envolvente	8.246	64.504	9.284	5.050	3.167	12.157
N152	Desplazamientos	Valor mínimo de la envolvente	-9.407	-78.653	-16.678	-4.945	-0.844	-12.621
		Valor máximo de la envolvente	9.036	78.288	10.005	4.600	2.892	12.444
N153	Desplazamientos	Valor mínimo de la envolvente	-9.810	-92.475	-18.905	-4.642	-0.793	-12.656
		Valor máximo de la envolvente	9.916	92.070	10.741	4.254	2.699	12.477
N154	Desplazamientos	Valor mínimo de la envolvente	-10.255	-106.179	-20.933	-4.402	-0.758	-12.706
		Valor máximo de la envolvente	10.848	105.765	11.384	3.977	2.258	12.531
N155	Desplazamientos	Valor mínimo de la envolvente	-10.744	-119.670	-22.652	-4.186	-0.730	-12.585
		Valor máximo de la envolvente	11.781	119.279	12.036	3.752	1.857	12.424
N156	Desplazamientos	Valor mínimo de la envolvente	-11.205	-132.863	-24.099	-4.022	-0.649	-12.487
		Valor máximo de la envolvente	12.648	132.528	12.577	3.585	1.428	12.344
N157	Desplazamientos	Valor mínimo de la envolvente	-11.706	-145.693	-25.161	-3.821	-0.573	-12.301
		Valor máximo de la envolvente	13.429	145.445	13.060	3.407	1.109	12.186
N158	Desplazamientos	Valor mínimo de la envolvente	-12.404	-158.194	-26.200	-3.736	-0.445	-12.246
		Valor máximo de la envolvente	14.339	158.060	13.682	3.353	0.735	12.163
N159	Desplazamientos	Valor mínimo de la envolvente	-12.811	-169.228	-26.475	-3.482	-0.189	-12.301
		Valor máximo de la envolvente	14.769	169.206	13.824	3.140	0.287	12.257
N160	Desplazamientos	Valor mínimo de la envolvente	-12.954	-180.331	-26.231	-3.261	-0.233	-12.285
		Valor máximo de la envolvente	14.910	180.419	13.483	2.966	0.269	12.277
N161	Desplazamientos	Valor mínimo de la envolvente	-12.908	-191.396	-25.709	-2.965	-0.551	-11.998
		Valor máximo de la envolvente	14.773	191.598	12.977	2.716	0.490	12.023
N162	Desplazamientos	Valor mínimo de la envolvente	-12.909	-202.126	-24.890	-2.647	-1.143	-11.721
		Valor máximo de la envolvente	14.683	202.442	12.180	2.449	1.040	11.770
N163	Desplazamientos	Valor mínimo de la envolvente	-12.641	-212.532	-23.616	-2.618	-1.528	-11.338
		Valor máximo de la envolvente	14.269	212.958	11.013	2.463	1.405	11.403
N164	Desplazamientos	Valor mínimo de la envolvente	-12.342	-222.291	-22.584	-2.785	-1.608	-10.940
		Valor máximo de la envolvente	13.851	222.820	9.646	2.673	1.492	11.012
N165	Desplazamientos	Valor mínimo de la envolvente	-12.026	-231.338	-22.211	-2.702	-1.749	-10.294
		Valor máximo de la envolvente	13.385	231.959	8.221	2.620	1.621	10.365
N166	Desplazamientos	Valor mínimo de la envolvente	-11.720	-239.738	-21.961	-2.406	-1.788	-9.545
		Valor máximo de la envolvente	12.950	240.439	6.659	2.352	1.675	9.609
N167	Desplazamientos	Valor mínimo de la envolvente	-11.420	-247.361	-21.611	-1.981	-1.872	-8.408
		Valor máximo de la envolvente	12.501	248.126	5.059	1.943	1.762	8.461

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N168	Desplazamientos	Valor mínimo de la envolvente	-11.157	-253.900	-21.403	-1.606	-1.876	-7.246
		Valor máximo de la envolvente	12.112	254.713	3.406	1.580	1.780	7.285
N169	Desplazamientos	Valor mínimo de la envolvente	-10.914	-259.427	-21.111	-1.216	-1.902	-6.044
		Valor máximo de la envolvente	11.731	260.275	1.835	1.194	1.820	6.072
N170	Desplazamientos	Valor mínimo de la envolvente	-10.702	-264.106	-20.972	-1.128	-1.880	-4.638
		Valor máximo de la envolvente	11.385	264.980	0.689	1.106	1.819	4.658
N171	Desplazamientos	Valor mínimo de la envolvente	-10.549	-266.958	-20.792	-1.037	-1.886	-3.383
		Valor máximo de la envolvente	11.118	267.850	0.600	1.012	1.839	3.403
N172	Desplazamientos	Valor mínimo de la envolvente	-10.428	-269.089	-20.720	-0.871	-1.806	-1.942
		Valor máximo de la envolvente	10.874	270.008	0.545	0.841	1.728	1.976
N173	Desplazamientos	Valor mínimo de la envolvente	-10.347	-270.671	-20.558	-0.964	-1.776	-1.637
		Valor máximo de la envolvente	10.666	271.644	0.521	0.946	1.683	1.712
N174	Desplazamientos	Valor mínimo de la envolvente	-10.316	-272.001	-20.579	-0.928	-1.692	-1.369
		Valor máximo de la envolvente	10.485	273.075	0.558	0.929	1.623	1.464
N175	Desplazamientos	Valor mínimo de la envolvente	-10.337	-272.782	-20.483	-0.811	-1.666	-1.466
		Valor máximo de la envolvente	10.348	273.967	0.603	0.834	1.612	1.555
N176	Desplazamientos	Valor mínimo de la envolvente	-10.416	-270.927	-20.594	-0.712	-1.570	-2.192
		Valor máximo de la envolvente	10.303	272.189	0.687	0.752	1.551	2.265
N177	Desplazamientos	Valor mínimo de la envolvente	-10.529	-268.633	-20.645	-0.688	-1.506	-3.671
		Valor máximo de la envolvente	10.294	269.957	1.698	0.740	1.498	3.722
N178	Desplazamientos	Valor mínimo de la envolvente	-10.664	-265.340	-20.813	-0.798	-1.415	-4.731
		Valor máximo de la envolvente	10.308	266.703	2.920	0.858	1.428	4.758
N179	Desplazamientos	Valor mínimo de la envolvente	-10.875	-260.336	-20.946	-0.932	-1.326	-6.073
		Valor máximo de la envolvente	10.384	261.721	4.296	0.990	1.365	6.071
N180	Desplazamientos	Valor mínimo de la envolvente	-11.063	-254.460	-21.223	-1.054	-1.216	-7.280
		Valor máximo de la envolvente	10.433	255.838	5.470	1.106	1.279	7.249
N181	Desplazamientos	Valor mínimo de la envolvente	-11.272	-247.560	-21.437	-1.179	-1.124	-8.975
		Valor máximo de la envolvente	10.511	248.906	6.601	1.211	1.208	8.916
N182	Desplazamientos	Valor mínimo de la envolvente	-11.488	-239.954	-21.768	-1.295	-1.009	-9.876
		Valor máximo de la envolvente	10.582	241.240	7.573	1.305	1.104	9.794
N183	Desplazamientos	Valor mínimo de la envolvente	-11.711	-231.437	-22.026	-1.654	-0.896	-10.540
		Valor máximo de la envolvente	10.672	232.635	8.501	1.626	1.010	10.439
N184	Desplazamientos	Valor mínimo de la envolvente	-11.929	-222.231	-22.386	-2.032	-0.779	-11.225
		Valor máximo de la envolvente	10.740	223.321	9.272	1.965	0.888	11.113
N185	Desplazamientos	Valor mínimo de la envolvente	-12.125	-212.242	-22.641	-2.447	-0.664	-11.774
		Valor máximo de la envolvente	10.811	213.202	9.975	2.329	0.785	11.661
N186	Desplazamientos	Valor mínimo de la envolvente	-12.301	-201.218	-22.990	-2.801	-0.540	-12.318
		Valor máximo de la envolvente	10.838	202.034	10.662	2.633	0.646	12.217
N187	Desplazamientos	Valor mínimo de la envolvente	-12.419	-190.156	-23.326	-3.039	-0.403	-12.438
		Valor máximo de la envolvente	10.856	190.820	11.157	2.816	0.477	12.359
N188	Desplazamientos	Valor mínimo de la envolvente	-12.472	-178.731	-23.499	-3.245	-0.285	-12.541
		Valor máximo de la envolvente	10.811	179.245	11.307	2.968	0.265	12.496
N189	Desplazamientos	Valor mínimo de la envolvente	-12.531	-167.179	-23.972	-3.400	-0.172	-12.440
		Valor máximo de la envolvente	10.854	167.539	11.859	3.072	0.102	12.428
N190	Desplazamientos	Valor mínimo de la envolvente	-12.248	-156.130	-23.558	-3.584	-0.412	-12.400
		Valor máximo de la envolvente	10.576	156.341	11.554	3.212	0.156	12.422
N191	Desplazamientos	Valor mínimo de la envolvente	-11.837	-143.510	-23.109	-3.734	-0.885	-12.298
		Valor máximo de la envolvente	10.362	143.551	11.495	3.332	0.219	12.350
N192	Desplazamientos	Valor mínimo de la envolvente	-11.336	-130.662	-22.419	-3.944	-1.353	-12.324

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	10.115	130.570	11.355	3.522	0.297	12.408
N193	Desplazamientos	Valor mínimo de la envolvente	-10.666	-117.604	-21.353	-4.116	-1.845	-12.326
		Valor máximo de la envolvente	9.837	117.407	11.151	3.698	0.365	12.434
N194	Desplazamientos	Valor mínimo de la envolvente	-9.948	-104.239	-20.027	-4.341	-2.236	-12.405
		Valor máximo de la envolvente	9.536	103.982	10.858	3.934	0.440	12.535
N195	Desplazamientos	Valor mínimo de la envolvente	-9.126	-90.672	-18.324	-4.595	-2.686	-12.360
		Valor máximo de la envolvente	9.189	90.389	10.486	4.224	0.526	12.502
N196	Desplazamientos	Valor mínimo de la envolvente	-8.366	-77.024	-16.382	-4.886	-2.866	-12.322
		Valor máximo de la envolvente	8.878	76.756	9.995	4.556	0.683	12.468
N197	Desplazamientos	Valor mínimo de la envolvente	-7.545	-63.390	-14.062	-5.244	-3.154	-12.001
		Valor máximo de la envolvente	8.458	63.162	9.327	4.976	0.975	12.142
N198	Desplazamientos	Valor mínimo de la envolvente	-6.702	-50.085	-11.321	-5.516	-2.988	-11.426
		Valor máximo de la envolvente	7.941	49.920	8.254	5.313	1.200	11.550
N199	Desplazamientos	Valor mínimo de la envolvente	-6.009	-37.681	-8.488	-5.391	-3.221	-10.105
		Valor máximo de la envolvente	7.413	37.585	7.142	5.268	1.222	10.204
N200	Desplazamientos	Valor mínimo de la envolvente	-5.077	-19.278	-4.016	-4.028	-1.717	-6.994
		Valor máximo de la envolvente	6.487	19.270	4.318	3.994	1.550	7.022
N201	Desplazamientos	Valor mínimo de la envolvente	-4.605	-7.671	-1.052	-2.103	-1.039	-4.314
		Valor máximo de la envolvente	5.913	7.678	1.292	2.089	1.319	4.312
N202	Desplazamientos	Valor mínimo de la envolvente	-4.349	-1.609	-1.510	-0.166	-1.579	-3.106
		Valor máximo de la envolvente	5.606	1.628	1.534	0.163	1.537	3.126
N203	Desplazamientos	Valor mínimo de la envolvente	-5.848	-1.498	-1.507	-0.242	-1.673	-2.638
		Valor máximo de la envolvente	7.047	1.514	1.531	0.258	1.593	2.656
N204	Desplazamientos	Valor mínimo de la envolvente	-6.089	-3.928	-0.225	-0.114	-1.434	-3.634
		Valor máximo de la envolvente	7.280	3.932	0.229	0.126	1.515	3.632
N205	Desplazamientos	Valor mínimo de la envolvente	-6.321	-9.030	-1.041	-0.730	-1.174	-5.249
		Valor máximo de la envolvente	7.548	9.055	1.291	0.730	1.429	5.225
N206	Desplazamientos	Valor mínimo de la envolvente	-6.622	-14.348	-2.060	-1.648	-1.467	-7.008
		Valor máximo de la envolvente	7.810	14.393	2.497	1.605	1.511	6.993
N207	Desplazamientos	Valor mínimo de la envolvente	-7.098	-21.722	-3.644	-1.908	-1.709	-6.960
		Valor máximo de la envolvente	8.175	21.790	4.002	1.817	1.568	6.961
N208	Desplazamientos	Valor mínimo de la envolvente	-7.664	-30.447	-5.337	-3.163	-2.201	-9.477
		Valor máximo de la envolvente	8.559	30.545	5.446	2.999	1.500	9.483
N209	Desplazamientos	Valor mínimo de la envolvente	-8.462	-40.427	-7.833	-2.821	-2.967	-9.159
		Valor máximo de la envolvente	8.898	40.562	6.752	2.581	1.237	9.193
N210	Desplazamientos	Valor mínimo de la envolvente	-9.251	-51.698	-10.538	-3.809	-3.175	-11.957
		Valor máximo de la envolvente	9.231	51.874	7.845	3.498	1.200	12.011
N211	Desplazamientos	Valor mínimo de la envolvente	-10.156	-63.747	-13.186	-3.019	-3.090	-10.752
		Valor máximo de la envolvente	9.661	63.965	8.945	2.628	0.974	10.848
N212	Desplazamientos	Valor mínimo de la envolvente	-10.789	-76.365	-15.496	-4.029	-3.001	-13.184
		Valor máximo de la envolvente	9.860	76.631	9.632	3.583	0.610	13.295
N213	Desplazamientos	Valor mínimo de la envolvente	-11.337	-89.267	-17.459	-3.196	-2.637	-11.190
		Valor máximo de la envolvente	10.023	89.588	10.188	2.689	0.526	11.339
N214	Desplazamientos	Valor mínimo de la envolvente	-11.832	-102.202	-19.241	-4.202	-2.300	-13.256
		Valor máximo de la envolvente	10.178	102.587	10.594	3.679	0.427	13.409
N215	Desplazamientos	Valor mínimo de la envolvente	-12.208	-114.859	-20.641	-3.277	-1.829	-11.040
		Valor máximo de la envolvente	10.325	115.313	10.954	2.737	0.348	11.218
N216	Desplazamientos	Valor mínimo de la envolvente	-12.514	-127.442	-21.844	-4.248	-1.367	-12.965
		Valor máximo de la envolvente	10.440	127.974	11.201	3.743	0.300	13.124

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N217	Desplazamientos	Valor mínimo de la envolvente	-12.664	-139.708	-22.673	-3.171	-0.884	-10.817
		Valor máximo de la envolvente	10.551	140.320	11.425	2.701	0.219	10.981
N218	Desplazamientos	Valor mínimo de la envolvente	-12.729	-151.842	-23.298	-4.087	-0.434	-12.737
		Valor máximo de la envolvente	10.602	152.540	11.547	3.687	0.137	12.860
N219	Desplazamientos	Valor mínimo de la envolvente	-12.591	-163.590	-23.534	-2.891	-0.166	-10.829
		Valor máximo de la envolvente	10.607	164.369	11.587	2.566	0.117	10.936
N220	Desplazamientos	Valor mínimo de la envolvente	-12.340	-175.252	-23.508	-3.734	-0.279	-12.918
		Valor máximo de la envolvente	10.498	176.107	11.452	3.480	0.268	12.978
N221	Desplazamientos	Valor mínimo de la envolvente	-12.016	-186.925	-23.333	-2.415	-0.406	-10.933
		Valor máximo de la envolvente	10.351	187.837	11.217	2.240	0.463	10.964
N222	Desplazamientos	Valor mínimo de la envolvente	-11.580	-198.097	-22.976	-2.953	-0.548	-12.786
		Valor máximo de la envolvente	10.099	199.067	10.817	2.860	0.683	12.770
N223	Desplazamientos	Valor mínimo de la envolvente	-11.130	-209.269	-22.731	-1.509	-0.657	-10.583
		Valor máximo de la envolvente	9.840	210.285	10.316	1.514	0.751	10.539
N224	Desplazamientos	Valor mínimo de la envolvente	-10.676	-219.221	-22.458	-1.580	-0.786	-11.681
		Valor máximo de la envolvente	9.541	220.280	9.658	1.628	0.905	11.612
N225	Desplazamientos	Valor mínimo de la envolvente	-10.195	-228.506	-22.139	-1.297	-0.888	-8.921
		Valor máximo de la envolvente	9.231	229.606	8.900	1.408	0.995	8.846
N226	Desplazamientos	Valor mínimo de la envolvente	-9.741	-237.083	-21.838	-1.235	-1.010	-9.902
		Valor máximo de la envolvente	8.914	238.219	7.999	1.359	1.108	9.826
N227	Desplazamientos	Valor mínimo de la envolvente	-9.288	-245.068	-21.533	-1.094	-1.100	-7.611
		Valor máximo de la envolvente	8.604	246.233	7.006	1.248	1.179	7.550
N228	Desplazamientos	Valor mínimo de la envolvente	-8.874	-252.232	-21.262	-1.019	-1.215	-7.976
		Valor máximo de la envolvente	8.309	253.414	5.877	1.169	1.279	7.929
N229	Desplazamientos	Valor mínimo de la envolvente	-8.488	-258.511	-21.014	-0.877	-1.296	-5.742
		Valor máximo de la envolvente	8.044	259.698	4.665	1.031	1.333	5.714
N230	Desplazamientos	Valor mínimo de la envolvente	-8.126	-263.676	-20.826	-0.770	-1.405	-5.581
		Valor máximo de la envolvente	7.786	264.855	3.342	0.909	1.416	5.572
N231	Desplazamientos	Valor mínimo de la envolvente	-7.827	-267.869	-20.678	-0.905	-1.456	-3.600
		Valor máximo de la envolvente	7.589	269.030	1.965	1.033	1.450	3.605
N232	Desplazamientos	Valor mínimo de la envolvente	-7.583	-270.816	-20.570	-0.681	-1.556	-2.928
		Valor máximo de la envolvente	7.444	271.949	0.693	0.787	1.536	2.955
N233	Desplazamientos	Valor mínimo de la envolvente	-7.392	-273.337	-20.506	-0.647	-1.624	-1.289
		Valor máximo de la envolvente	7.351	274.433	0.615	0.737	1.569	1.323
N234	Desplazamientos	Valor mínimo de la envolvente	-7.260	-273.210	-20.534	-0.225	-1.738	-1.567
		Valor máximo de la envolvente	7.347	274.248	0.554	0.281	1.671	1.618
N235	Desplazamientos	Valor mínimo de la envolvente	-7.220	-272.247	-20.582	-0.119	-1.719	-1.505
		Valor máximo de la envolvente	7.439	273.232	0.531	0.152	1.620	1.538
N236	Desplazamientos	Valor mínimo de la envolvente	-7.273	-270.420	-20.708	-0.511	-1.821	-2.262
		Valor máximo de la envolvente	7.607	271.372	0.541	0.512	1.745	2.301
N237	Desplazamientos	Valor mínimo de la envolvente	-7.403	-268.108	-20.827	-0.225	-1.880	-3.199
		Valor máximo de la envolvente	7.847	269.011	0.616	0.253	1.846	3.247
N238	Desplazamientos	Valor mínimo de la envolvente	-7.618	-264.301	-20.989	-0.444	-1.905	-5.828
		Valor máximo de la envolvente	8.179	265.157	0.712	0.485	1.843	5.883
N239	Desplazamientos	Valor mínimo de la envolvente	-7.901	-259.316	-21.186	-0.504	-1.881	-5.708
		Valor máximo de la envolvente	8.581	260.129	2.277	0.566	1.801	5.755
N240	Desplazamientos	Valor mínimo de la envolvente	-8.271	-253.032	-21.445	-0.778	-1.892	-8.082
		Valor máximo de la envolvente	9.088	253.803	3.960	0.838	1.795	8.143
N241	Desplazamientos	Valor mínimo de la envolvente	-8.698	-245.759	-21.719	-0.953	-1.817	-7.678

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	9.648	246.486	5.668	1.022	1.710	7.735
N242	Desplazamientos	Valor mínimo de la envolvente	-9.202	-237.482	-22.032	-1.307	-1.813	-10.739
		Valor máximo de la envolvente	10.309	238.164	7.300	1.352	1.695	10.804
N243	Desplazamientos	Valor mínimo de la envolvente	-9.745	-228.632	-22.332	-1.466	-1.691	-8.924
		Valor máximo de la envolvente	11.000	229.270	8.854	1.503	1.570	8.974
N244	Desplazamientos	Valor mínimo de la envolvente	-10.345	-219.250	-22.841	-1.883	-1.636	-11.417
		Valor máximo de la envolvente	11.780	219.851	10.281	1.872	1.509	11.454
N245	Desplazamientos	Valor mínimo de la envolvente	-10.954	-209.434	-24.199	-1.768	-1.439	-9.975
		Valor máximo de la envolvente	12.553	210.001	11.592	1.724	1.342	9.984
N246	Desplazamientos	Valor mínimo de la envolvente	-11.564	-199.039	-25.322	-2.883	-1.200	-11.950
		Valor máximo de la envolvente	13.359	199.577	12.668	2.764	1.068	11.930
N247	Desplazamientos	Valor mínimo de la envolvente	-12.040	-188.367	-25.995	-2.393	-0.583	-10.396
		Valor máximo de la envolvente	14.021	188.869	13.318	2.213	0.536	10.333
N248	Desplazamientos	Valor mínimo de la envolvente	-12.252	-177.169	-26.145	-3.759	-0.227	-12.579
		Valor máximo de la envolvente	14.408	177.646	13.545	3.496	0.257	12.475
N249	Desplazamientos	Valor mínimo de la envolvente	-12.384	-165.826	-26.071	-3.134	-0.147	-10.772
		Valor máximo de la envolvente	14.673	166.262	13.601	2.796	0.219	10.613
N250	Desplazamientos	Valor mínimo de la envolvente	-12.269	-154.070	-25.573	-4.423	-0.429	-13.098
		Valor máximo de la envolvente	14.683	154.474	13.325	4.019	0.728	12.904
N251	Desplazamientos	Valor mínimo de la envolvente	-12.078	-141.971	-24.611	-3.435	-0.569	-10.961
		Valor máximo de la envolvente	14.467	142.346	12.891	2.949	1.107	10.735
N252	Desplazamientos	Valor mínimo de la envolvente	-11.763	-129.805	-23.406	-4.478	-0.682	-13.169
		Valor máximo de la envolvente	14.100	130.150	12.314	3.957	1.465	12.948
N253	Desplazamientos	Valor mínimo de la envolvente	-11.460	-116.944	-21.815	-3.510	-0.711	-11.278
		Valor máximo de la envolvente	13.590	117.253	11.729	2.949	1.839	11.052
N254	Desplazamientos	Valor mínimo de la envolvente	-11.089	-103.924	-20.016	-4.419	-0.772	-13.540
		Valor máximo de la envolvente	12.970	104.197	11.026	3.876	2.328	13.343
N255	Desplazamientos	Valor mínimo de la envolvente	-10.767	-91.029	-17.970	-3.391	-0.783	-11.406
		Valor máximo de la envolvente	12.293	91.268	10.387	2.861	2.660	11.222
N256	Desplazamientos	Valor mínimo de la envolvente	-10.414	-78.059	-15.764	-4.198	-0.835	-13.401
		Valor máximo de la envolvente	11.540	78.264	9.628	3.729	3.019	13.263
N257	Desplazamientos	Valor mínimo de la envolvente	-10.104	-65.231	-13.375	-3.197	-0.876	-10.982
		Valor máximo de la envolvente	10.776	65.403	8.919	2.785	3.112	10.865
N258	Desplazamientos	Valor mínimo de la envolvente	-9.798	-53.086	-10.955	-3.988	-0.910	-12.276
		Valor máximo de la envolvente	9.983	53.228	8.076	3.658	3.195	12.204
N259	Desplazamientos	Valor mínimo de la envolvente	-9.553	-41.428	-8.423	-2.944	-0.995	-9.362
		Valor máximo de la envolvente	9.262	41.539	7.219	2.689	2.974	9.314
N260	Desplazamientos	Valor mínimo de la envolvente	-9.341	-31.342	-6.073	-3.264	-1.450	-9.617
		Valor máximo de la envolvente	8.581	31.423	6.088	3.088	2.186	9.601
N261	Desplazamientos	Valor mínimo de la envolvente	-8.995	-22.457	-4.219	-1.999	-1.742	-7.069
		Valor máximo de la envolvente	8.042	22.515	4.514	1.899	1.913	7.059
N262	Desplazamientos	Valor mínimo de la envolvente	-8.608	-14.982	-2.416	-1.749	-1.691	-7.134
		Valor máximo de la envolvente	7.537	15.021	2.817	1.698	1.671	7.144
N263	Desplazamientos	Valor mínimo de la envolvente	-8.334	-9.558	-1.234	-0.805	-1.590	-5.361
		Valor máximo de la envolvente	7.218	9.581	1.466	0.801	1.360	5.380
N264	Desplazamientos	Valor mínimo de la envolvente	-8.028	-4.481	-0.260	-0.164	-1.656	-3.742
		Valor máximo de la envolvente	6.943	4.484	0.270	0.176	1.603	3.741
N265	Desplazamientos	Valor mínimo de la envolvente	-7.819	-1.995	-1.639	-0.210	-1.696	-2.738
		Valor máximo de la envolvente	6.723	2.011	1.691	0.228	1.802	2.716

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N266	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N267	Desplazamientos	Valor mínimo de la envolvente	-1.523	-0.461	-0.137	-0.991	-2.022	-0.842
		Valor máximo de la envolvente	0.960	0.459	0.118	0.994	1.370	0.852
N268	Desplazamientos	Valor mínimo de la envolvente	-3.246	-1.606	-0.186	-1.609	-1.878	-1.682
		Valor máximo de la envolvente	2.240	1.601	0.180	1.610	1.543	1.700
N269	Desplazamientos	Valor mínimo de la envolvente	-4.822	-3.077	-0.230	-1.729	-1.794	-2.442
		Valor máximo de la envolvente	3.662	3.072	0.239	1.728	1.743	2.469
N270	Desplazamientos	Valor mínimo de la envolvente	-6.162	-4.214	-0.236	-1.338	-1.810	-2.753
		Valor máximo de la envolvente	5.020	4.211	0.251	1.335	1.847	2.785
N271	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N272	Desplazamientos	Valor mínimo de la envolvente	-0.783	-0.418	-0.131	-0.908	-1.139	-0.825
		Valor máximo de la envolvente	1.374	0.416	0.108	0.911	1.832	0.815
N273	Desplazamientos	Valor mínimo de la envolvente	-1.872	-1.473	-0.181	-1.486	-1.339	-1.649
		Valor máximo de la envolvente	2.943	1.468	0.170	1.487	1.720	1.630
N274	Desplazamientos	Valor mínimo de la envolvente	-3.131	-2.830	-0.227	-1.593	-1.570	-2.395
		Valor máximo de la envolvente	4.399	2.826	0.228	1.591	1.675	2.368
N275	Desplazamientos	Valor mínimo de la envolvente	-4.365	-3.868	-0.237	-1.215	-1.689	-2.699
		Valor máximo de la envolvente	5.657	3.865	0.244	1.212	1.707	2.666
N276	Desplazamientos	Valor mínimo de la envolvente	-6.041	-2.059	-1.594	-0.266	-1.599	-3.181
		Valor máximo de la envolvente	4.895	2.022	1.655	0.269	1.678	3.229
N277	Desplazamientos	Valor mínimo de la envolvente	-6.381	-8.071	-1.204	-2.213	-1.422	-4.387
		Valor máximo de la envolvente	5.191	8.101	1.416	2.217	1.162	4.421
N278	Desplazamientos	Valor mínimo de la envolvente	-7.029	-19.870	-4.477	-4.147	-1.675	-7.127
		Valor máximo de la envolvente	5.748	20.001	4.682	4.161	1.884	7.205
N279	Desplazamientos	Valor mínimo de la envolvente	-7.936	-38.431	-8.925	-5.378	-0.965	-10.237
		Valor máximo de la envolvente	6.684	38.777	7.411	5.478	3.253	10.407
N280	Desplazamientos	Valor mínimo de la envolvente	-8.381	-50.934	-11.587	-5.419	-0.976	-11.575
		Valor máximo de la envolvente	7.302	51.433	8.281	5.602	3.035	11.781
N281	Desplazamientos	Valor mínimo de la envolvente	-8.793	-64.341	-14.172	-5.068	-0.903	-12.130
		Valor máximo de la envolvente	8.064	64.990	9.159	5.322	3.188	12.359
N282	Desplazamientos	Valor mínimo de la envolvente	-9.188	-78.108	-16.653	-4.623	-0.871	-12.432
		Valor máximo de la envolvente	8.871	78.893	9.918	4.943	2.914	12.671
N283	Desplazamientos	Valor mínimo de la envolvente	-9.622	-91.886	-18.923	-4.272	-0.837	-12.459
		Valor máximo de la envolvente	9.786	92.779	10.690	4.636	2.722	12.699
N284	Desplazamientos	Valor mínimo de la envolvente	-10.089	-105.540	-20.982	-3.981	-0.773	-12.457
		Valor máximo de la envolvente	10.742	106.511	11.359	4.381	2.282	12.692
N285	Desplazamientos	Valor mínimo de la envolvente	-10.601	-118.944	-22.715	-3.770	-0.732	-12.310
		Valor máximo de la envolvente	11.703	119.959	12.019	4.179	1.882	12.529
N286	Desplazamientos	Valor mínimo de la envolvente	-11.079	-132.098	-24.158	-3.635	-0.627	-12.277
		Valor máximo de la envolvente	12.592	133.122	12.549	4.046	1.412	12.476
N287	Desplazamientos	Valor mínimo de la envolvente	-11.592	-145.015	-25.191	-3.466	-0.525	-12.186
		Valor máximo de la envolvente	13.389	146.016	12.998	3.852	1.067	12.354
N288	Desplazamientos	Valor mínimo de la envolvente	-12.025	-157.679	-25.880	-3.352	-0.370	-12.213
		Valor máximo de la envolvente	14.038	158.628	13.263	3.705	0.666	12.349
N289	Desplazamientos	Valor mínimo de la envolvente	-12.463	-168.875	-26.178	-3.183	-0.095	-12.370
		Valor máximo de la envolvente	14.503	169.769	13.425	3.493	0.198	12.466
N290	Desplazamientos	Valor mínimo de la envolvente	-12.585	-180.127	-25.865	-2.993	-0.587	-12.485

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	14.626	180.969	13.014	3.255	0.625	12.547
N291	Desplazamientos	Valor mínimo de la envolvente	-12.418	-191.314	-25.040	-2.680	-1.098	-12.152
		Valor máximo de la envolvente	14.371	192.103	12.204	2.894	1.037	12.182
N292	Desplazamientos	Valor mínimo de la envolvente	-12.144	-202.069	-23.903	-2.413	-1.278	-11.641
		Valor máximo de la envolvente	14.007	202.807	11.091	2.576	1.173	11.652
N293	Desplazamientos	Valor mínimo de la envolvente	-11.860	-212.363	-23.164	-2.189	-1.451	-11.236
		Valor máximo de la envolvente	13.579	213.057	9.942	2.308	1.324	11.235
N294	Desplazamientos	Valor mínimo de la envolvente	-11.566	-222.002	-22.901	-1.978	-1.534	-10.828
		Valor máximo de la envolvente	13.166	222.664	8.655	2.055	1.412	10.826
N295	Desplazamientos	Valor mínimo de la envolvente	-11.266	-231.035	-22.505	-1.814	-1.655	-10.189
		Valor máximo de la envolvente	12.715	231.680	7.322	1.862	1.519	10.193
N296	Desplazamientos	Valor mínimo de la envolvente	-10.976	-239.492	-22.223	-1.634	-1.688	-9.413
		Valor máximo de la envolvente	12.296	240.138	5.865	1.656	1.564	9.430
N297	Desplazamientos	Valor mínimo de la envolvente	-10.698	-247.184	-21.837	-1.510	-1.758	-8.306
		Valor máximo de la envolvente	11.870	247.849	4.440	1.519	1.636	8.341
N298	Desplazamientos	Valor mínimo de la envolvente	-10.455	-253.786	-21.585	-1.370	-1.800	-7.271
		Valor máximo de la envolvente	11.499	254.491	2.992	1.370	1.690	7.324
N299	Desplazamientos	Valor mínimo de la envolvente	-10.235	-259.359	-21.246	-1.281	-1.797	-6.050
		Valor máximo de la envolvente	11.141	260.121	1.546	1.281	1.699	6.119
N300	Desplazamientos	Valor mínimo de la envolvente	-10.043	-264.057	-21.046	-1.173	-1.767	-4.617
		Valor máximo de la envolvente	10.814	264.895	0.708	1.176	1.688	4.695
N301	Desplazamientos	Valor mínimo de la envolvente	-9.907	-266.904	-20.815	-1.043	-1.781	-3.353
		Valor máximo de la envolvente	10.565	267.807	0.604	1.050	1.714	3.428
N302	Desplazamientos	Valor mínimo de la envolvente	-9.801	-269.021	-20.679	-0.818	-1.706	-1.930
		Valor máximo de la envolvente	10.336	269.986	0.532	0.828	1.609	1.983
N303	Desplazamientos	Valor mínimo de la envolvente	-9.735	-270.607	-20.454	-0.923	-1.671	-1.649
		Valor máximo de la envolvente	10.143	271.612	0.490	0.935	1.558	1.685
N304	Desplazamientos	Valor mínimo de la envolvente	-9.715	-271.957	-20.394	-0.910	-1.603	-1.628
		Valor máximo de la envolvente	9.975	272.998	0.504	0.918	1.513	1.655
N305	Desplazamientos	Valor mínimo de la envolvente	-9.820	-272.101	-20.214	-0.812	-1.551	-1.744
		Valor máximo de la envolvente	9.924	273.171	0.527	0.812	1.475	1.767
N306	Desplazamientos	Valor mínimo de la envolvente	-9.819	-270.940	-20.256	-0.726	-1.473	-2.213
		Valor máximo de la envolvente	9.800	272.029	0.592	0.720	1.433	2.233
N307	Desplazamientos	Valor mínimo de la envolvente	-9.975	-268.665	-20.240	-0.711	-1.425	-3.671
		Valor máximo de la envolvente	9.836	269.770	1.286	0.704	1.396	3.688
N308	Desplazamientos	Valor mínimo de la envolvente	-10.103	-265.383	-20.345	-0.801	-1.346	-4.732
		Valor máximo de la envolvente	9.846	266.501	2.473	0.794	1.339	4.746
N309	Desplazamientos	Valor mínimo de la envolvente	-10.284	-260.386	-20.408	-0.932	-1.268	-6.064
		Valor máximo de la envolvente	9.895	261.516	3.814	0.935	1.287	6.075
N310	Desplazamientos	Valor mínimo de la envolvente	-10.478	-254.504	-20.622	-1.046	-1.171	-7.254
		Valor máximo de la envolvente	9.954	255.645	4.945	1.062	1.215	7.264
N311	Desplazamientos	Valor mínimo de la envolvente	-10.698	-247.586	-20.777	-1.141	-1.087	-8.933
		Valor máximo de la envolvente	10.045	248.741	6.040	1.180	1.152	8.943
N312	Desplazamientos	Valor mínimo de la envolvente	-10.918	-239.846	-21.051	-1.266	-0.986	-9.815
		Valor máximo de la envolvente	10.125	241.021	6.989	1.332	1.063	9.824
N313	Desplazamientos	Valor mínimo de la envolvente	-11.146	-231.137	-21.256	-1.587	-0.893	-10.458
		Valor máximo de la envolvente	10.225	232.341	7.900	1.693	0.991	10.463
N314	Desplazamientos	Valor mínimo de la envolvente	-11.369	-221.792	-21.566	-1.929	-0.784	-11.142
		Valor máximo de la envolvente	10.302	223.031	8.667	2.076	0.878	11.138

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N315	Desplazamientos	Valor mínimo de la envolvente	-11.576	-211.725	-21.777	-2.293	-0.678	-11.697
		Valor máximo de la envolvente	10.386	213.009	9.370	2.493	0.786	11.678
N316	Desplazamientos	Valor mínimo de la envolvente	-11.765	-200.953	-22.085	-2.592	-0.562	-12.200
		Valor máximo de la envolvente	10.431	202.282	9.938	2.843	0.655	12.152
N317	Desplazamientos	Valor mínimo de la envolvente	-11.904	-189.808	-22.319	-2.778	-0.433	-12.432
		Valor máximo de la envolvente	10.472	191.183	10.428	3.084	0.498	12.347
N318	Desplazamientos	Valor mínimo de la envolvente	-11.979	-178.305	-22.669	-2.931	-0.320	-12.583
		Valor máximo de la envolvente	10.451	179.711	10.762	3.288	0.294	12.446
N319	Desplazamientos	Valor mínimo de la envolvente	-11.952	-166.678	-22.888	-3.038	-0.192	-12.539
		Valor máximo de la envolvente	10.409	168.108	11.066	3.443	0.119	12.349
N320	Desplazamientos	Valor mínimo de la envolvente	-11.816	-155.560	-22.796	-3.178	-0.391	-12.546
		Valor máximo de la envolvente	10.276	157.001	11.082	3.627	0.096	12.304
N321	Desplazamientos	Valor mínimo de la envolvente	-11.446	-142.864	-22.400	-3.298	-0.853	-12.479
		Valor máximo de la envolvente	10.097	144.312	11.070	3.780	0.149	12.199
N322	Desplazamientos	Valor mínimo de la envolvente	-10.986	-129.963	-21.768	-3.488	-1.304	-12.535
		Valor máximo de la envolvente	9.885	131.372	10.978	3.993	0.235	12.225
N323	Desplazamientos	Valor mínimo de la envolvente	-10.357	-116.874	-20.765	-3.666	-1.777	-12.539
		Valor máximo de la envolvente	9.639	118.220	10.822	4.164	0.298	12.217
N324	Desplazamientos	Valor mínimo de la envolvente	-9.680	-103.523	-19.510	-3.904	-2.154	-12.646
		Valor máximo de la envolvente	9.366	104.762	10.579	4.385	0.384	12.317
N325	Desplazamientos	Valor mínimo de la envolvente	-8.930	-90.001	-17.881	-4.200	-2.590	-12.600
		Valor máximo de la envolvente	9.080	91.112	10.256	4.632	0.465	12.278
N326	Desplazamientos	Valor mínimo de la envolvente	-8.225	-76.439	-16.019	-4.540	-2.764	-12.553
		Valor máximo de la envolvente	8.813	77.387	9.817	4.916	0.605	12.246
N327	Desplazamientos	Valor mínimo de la envolvente	-7.459	-62.909	-13.784	-4.969	-3.043	-12.219
		Valor máximo de la envolvente	8.438	63.682	9.202	5.265	0.928	11.935
N328	Desplazamientos	Valor mínimo de la envolvente	-6.671	-49.723	-11.149	-5.314	-2.880	-11.621
		Valor máximo de la envolvente	7.967	50.304	8.202	5.524	1.134	11.372
N329	Desplazamientos	Valor mínimo de la envolvente	-6.011	-37.437	-8.421	-5.271	-3.108	-10.259
		Valor máximo de la envolvente	7.464	37.835	7.160	5.385	1.136	10.058
N330	Desplazamientos	Valor mínimo de la envolvente	-5.037	-19.203	-4.046	-4.002	-1.808	-7.051
		Valor máximo de la envolvente	6.489	19.351	4.384	4.017	1.658	6.961
N331	Desplazamientos	Valor mínimo de la envolvente	-4.499	-7.665	-1.020	-2.095	-1.031	-4.328
		Valor máximo de la envolvente	5.843	7.698	1.268	2.098	1.320	4.291
N332	Desplazamientos	Valor mínimo de la envolvente	-4.250	-1.645	-1.517	-0.161	-1.586	-3.146
		Valor máximo de la envolvente	5.542	1.610	1.527	0.164	1.558	3.099
N333	Desplazamientos	Valor mínimo de la envolvente	-5.757	-1.529	-1.514	-0.259	-1.668	-2.677
		Valor máximo de la envolvente	7.006	1.495	1.525	0.246	1.607	2.632
N334	Desplazamientos	Valor mínimo de la envolvente	-5.999	-3.938	-0.227	-0.124	-1.428	-3.650
		Valor máximo de la envolvente	7.242	3.939	0.232	0.122	1.523	3.621
N335	Desplazamientos	Valor mínimo de la envolvente	-6.229	-9.035	-1.006	-0.729	-1.143	-5.241
		Valor máximo de la envolvente	7.509	9.055	1.265	0.732	1.406	5.222
N336	Desplazamientos	Valor mínimo de la envolvente	-6.535	-14.350	-2.015	-1.606	-1.513	-7.022
		Valor máximo de la envolvente	7.779	14.391	2.470	1.650	1.571	6.981
N337	Desplazamientos	Valor mínimo de la envolvente	-7.035	-21.717	-3.691	-1.815	-1.786	-6.984
		Valor máximo de la envolvente	8.174	21.790	4.081	1.912	1.661	6.927
N338	Desplazamientos	Valor mínimo de la envolvente	-7.589	-30.426	-5.421	-2.990	-2.162	-9.509
		Valor máximo de la envolvente	8.552	30.532	5.580	3.164	1.485	9.429
N339	Desplazamientos	Valor mínimo de la envolvente	-8.335	-40.399	-7.795	-2.570	-2.862	-9.237

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	8.848	40.538	6.792	2.835	1.167	9.125
N340	Desplazamientos	Valor mínimo de la envolvente	-9.060	-51.682	-10.398	-3.489	-3.062	-12.082
		Valor máximo de la envolvente	9.128	51.860	7.816	3.836	1.128	11.922
N341	Desplazamientos	Valor mínimo de la envolvente	-9.889	-63.738	-12.944	-2.607	-2.983	-10.909
		Valor máximo de la envolvente	9.492	63.962	8.845	3.057	0.909	10.704
N342	Desplazamientos	Valor mínimo de la envolvente	-10.490	-76.344	-15.171	-3.551	-2.894	-13.361
		Valor máximo de la envolvente	9.668	76.618	9.481	4.069	0.561	13.107
N343	Desplazamientos	Valor mínimo de la envolvente	-11.006	-89.232	-17.055	-2.647	-2.545	-11.414
		Valor máximo de la envolvente	9.808	89.560	9.985	3.252	0.464	11.114
N344	Desplazamientos	Valor mínimo de la envolvente	-11.469	-102.168	-18.764	-3.640	-2.215	-13.516
		Valor máximo de la envolvente	9.939	102.556	10.344	4.264	0.374	13.169
N345	Desplazamientos	Valor mínimo de la envolvente	-11.812	-114.829	-20.093	-2.689	-1.764	-11.318
		Valor máximo de la envolvente	10.059	115.283	10.655	3.353	0.296	10.943
N346	Desplazamientos	Valor mínimo de la envolvente	-12.086	-127.413	-21.231	-3.699	-1.316	-13.257
		Valor máximo de la envolvente	10.147	127.940	10.855	4.313	0.222	12.856
N347	Desplazamientos	Valor mínimo de la envolvente	-12.204	-139.675	-21.998	-2.655	-0.852	-11.114
		Valor máximo de la envolvente	10.229	140.285	11.029	3.244	0.149	10.714
N348	Desplazamientos	Valor mínimo de la envolvente	-12.241	-151.802	-22.567	-3.652	-0.421	-13.011
		Valor máximo de la envolvente	10.251	152.509	11.104	4.136	0.079	12.621
N349	Desplazamientos	Valor mínimo de la envolvente	-12.077	-163.547	-22.757	-2.525	-0.191	-11.047
		Valor máximo de la envolvente	10.228	164.338	11.099	2.950	0.140	10.729
N350	Desplazamientos	Valor mínimo de la envolvente	-11.809	-175.217	-22.695	-3.441	-0.314	-13.078
		Valor máximo de la envolvente	10.096	176.064	10.926	3.779	0.297	12.818
N351	Desplazamientos	Valor mínimo de la envolvente	-11.474	-186.883	-22.492	-2.199	-0.434	-11.041
		Valor máximo de la envolvente	9.932	187.800	10.657	2.458	0.483	10.849
N352	Desplazamientos	Valor mínimo de la envolvente	-11.034	-198.056	-22.055	-2.825	-0.570	-12.808
		Valor máximo de la envolvente	9.668	199.023	10.234	2.991	0.692	12.658
N353	Desplazamientos	Valor mínimo de la envolvente	-10.585	-208.861	-21.846	-1.497	-0.670	-10.570
		Valor máximo de la envolvente	9.403	209.889	9.717	1.572	0.752	10.482
N354	Desplazamientos	Valor mínimo de la envolvente	-10.138	-218.817	-21.617	-1.587	-0.791	-11.669
		Valor máximo de la envolvente	9.104	219.896	9.052	1.613	0.895	11.606
N355	Desplazamientos	Valor mínimo de la envolvente	-9.669	-228.168	-21.346	-1.400	-0.885	-8.885
		Valor máximo de la envolvente	8.798	229.288	8.296	1.373	0.975	8.862
N356	Desplazamientos	Valor mínimo de la envolvente	-9.228	-236.904	-21.098	-1.338	-0.993	-9.858
		Valor máximo de la envolvente	8.487	238.052	7.407	1.298	1.073	9.845
N357	Desplazamientos	Valor mínimo de la envolvente	-8.791	-245.014	-20.850	-1.261	-1.074	-7.569
		Valor máximo de la envolvente	8.186	246.182	6.434	1.201	1.135	7.570
N358	Desplazamientos	Valor mínimo de la envolvente	-8.389	-252.178	-20.642	-1.188	-1.178	-7.942
		Valor máximo de la envolvente	7.897	253.359	5.339	1.130	1.222	7.944
N359	Desplazamientos	Valor mínimo de la envolvente	-8.014	-258.455	-20.458	-1.074	-1.249	-5.716
		Valor máximo de la envolvente	7.638	259.642	4.169	1.015	1.267	5.728
N360	Desplazamientos	Valor mínimo de la envolvente	-7.691	-263.618	-20.338	-0.957	-1.350	-5.561
		Valor máximo de la envolvente	7.414	264.798	2.884	0.908	1.339	5.582
N361	Desplazamientos	Valor mínimo de la envolvente	-7.411	-267.809	-20.260	-0.970	-1.394	-3.586
		Valor máximo de la envolvente	7.232	268.972	1.546	0.927	1.368	3.612
N362	Desplazamientos	Valor mínimo de la envolvente	-7.152	-270.755	-20.223	-0.731	-1.494	-2.915
		Valor máximo de la envolvente	7.070	271.888	0.596	0.696	1.452	2.954
N363	Desplazamientos	Valor mínimo de la envolvente	-6.971	-272.631	-20.232	-0.684	-1.538	-1.281
		Valor máximo de la envolvente	6.985	273.727	0.537	0.654	1.462	1.319

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N364	Desplazamientos	Valor mínimo de la envolvente	-6.847	-273.150	-20.348	-0.278	-1.620	-1.618
		Valor máximo de la envolvente	6.988	274.189	0.501	0.259	1.531	1.670
N365	Desplazamientos	Valor mínimo de la envolvente	-6.804	-272.201	-20.483	-0.204	-1.650	-1.478
		Valor máximo de la envolvente	7.076	273.176	0.501	0.190	1.530	1.528
N366	Desplazamientos	Valor mínimo de la envolvente	-6.849	-270.414	-20.676	-0.495	-1.719	-2.192
		Valor máximo de la envolvente	7.237	271.338	0.528	0.502	1.624	2.232
N367	Desplazamientos	Valor mínimo de la envolvente	-6.959	-268.164	-20.859	-0.317	-1.708	-3.149
		Valor máximo de la envolvente	7.460	269.058	0.623	0.283	1.658	3.175
N368	Desplazamientos	Valor mínimo de la envolvente	-7.150	-264.376	-21.081	-0.521	-1.773	-5.731
		Valor máximo de la envolvente	7.771	265.231	0.736	0.463	1.693	5.766
N369	Desplazamientos	Valor mínimo de la envolvente	-7.404	-259.363	-21.335	-0.602	-1.749	-5.753
		Valor máximo de la envolvente	8.147	260.175	1.962	0.515	1.654	5.778
N370	Desplazamientos	Valor mínimo de la envolvente	-7.735	-253.022	-21.643	-0.874	-1.774	-8.141
		Valor máximo de la envolvente	8.618	253.791	3.489	0.781	1.662	8.164
N371	Desplazamientos	Valor mínimo de la envolvente	-8.120	-245.715	-21.960	-0.988	-1.712	-7.689
		Valor máximo de la envolvente	9.140	246.444	4.988	0.884	1.593	7.697
N372	Desplazamientos	Valor mínimo de la envolvente	-8.573	-237.472	-22.308	-1.368	-1.709	-10.598
		Valor máximo de la envolvente	9.754	238.166	6.479	1.281	1.581	10.607
N373	Desplazamientos	Valor mínimo de la envolvente	-9.066	-228.658	-22.639	-1.362	-1.606	-8.908
		Valor máximo de la envolvente	10.398	229.317	7.933	1.283	1.477	8.916
N374	Desplazamientos	Valor mínimo de la envolvente	-9.610	-219.247	-22.983	-1.963	-1.563	-11.402
		Valor máximo de la envolvente	11.126	219.867	9.282	1.928	1.429	11.433
N375	Desplazamientos	Valor mínimo de la envolvente	-10.169	-209.403	-23.268	-1.665	-1.377	-9.974
		Valor máximo de la envolvente	11.851	209.983	10.534	1.668	1.276	10.016
N376	Desplazamientos	Valor mínimo de la envolvente	-10.824	-199.037	-24.503	-2.746	-1.357	-11.892
		Valor máximo de la envolvente	12.703	199.576	11.746	2.821	1.223	11.971
N377	Desplazamientos	Valor mínimo de la envolvente	-11.349	-188.387	-25.358	-2.179	-1.051	-10.443
		Valor máximo de la envolvente	13.416	188.895	12.577	2.320	1.005	10.551
N378	Desplazamientos	Valor mínimo de la envolvente	-11.816	-177.175	-25.962	-3.535	-0.581	-12.677
		Valor máximo de la envolvente	14.057	177.642	13.258	3.758	0.614	12.837
N379	Desplazamientos	Valor mínimo de la envolvente	-12.075	-165.801	-26.053	-2.757	-0.082	-10.656
		Valor máximo de la envolvente	14.450	166.244	13.483	3.062	0.163	10.860
N380	Desplazamientos	Valor mínimo de la envolvente	-12.026	-154.061	-25.623	-3.956	-0.347	-12.587
		Valor máximo de la envolvente	14.522	154.473	13.280	4.325	0.651	12.840
N381	Desplazamientos	Valor mínimo de la envolvente	-11.879	-141.987	-24.690	-2.985	-0.522	-10.699
		Valor máximo de la envolvente	14.347	142.363	12.880	3.444	1.066	10.975
N382	Desplazamientos	Valor mínimo de la envolvente	-11.584	-129.806	-23.492	-4.011	-0.664	-12.921
		Valor máximo de la envolvente	13.997	130.148	12.316	4.503	1.454	13.206
N383	Desplazamientos	Valor mínimo de la envolvente	-11.292	-116.929	-21.888	-2.978	-0.711	-11.014
		Valor máximo de la envolvente	13.495	117.239	11.724	3.519	1.863	11.296
N384	Desplazamientos	Valor mínimo de la envolvente	-10.917	-103.923	-20.063	-3.886	-0.792	-13.289
		Valor máximo de la envolvente	12.867	104.202	11.002	4.408	2.352	13.555
N385	Desplazamientos	Valor mínimo de la envolvente	-10.587	-91.040	-17.982	-2.869	-0.809	-11.198
		Valor máximo de la envolvente	12.179	91.286	10.334	3.384	2.683	11.439
N386	Desplazamientos	Valor mínimo de la envolvente	-10.217	-78.058	-15.732	-3.748	-0.849	-13.247
		Valor máximo de la envolvente	11.405	78.272	9.538	4.197	3.041	13.454
N387	Desplazamientos	Valor mínimo de la envolvente	-9.891	-65.217	-13.302	-2.797	-0.885	-10.857
		Valor máximo de la envolvente	10.622	65.397	8.792	3.196	3.133	11.032
N388	Desplazamientos	Valor mínimo de la envolvente	-9.563	-53.081	-10.842	-3.667	-0.939	-12.167

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	9.805	53.226	7.915	3.979	3.216	12.304
N389	Desplazamientos	Valor mínimo de la envolvente	-9.293	-41.434	-8.281	-2.698	-1.026	-9.290
		Valor máximo de la envolvente	9.057	41.549	7.036	2.941	2.995	9.389
N390	Desplazamientos	Valor mínimo de la envolvente	-9.060	-31.343	-5.915	-3.098	-1.438	-9.588
		Valor máximo de la envolvente	8.353	31.432	5.895	3.259	2.183	9.657
N391	Desplazamientos	Valor mínimo de la envolvente	-8.708	-22.450	-4.089	-1.901	-1.687	-7.044
		Valor máximo de la envolvente	7.805	22.512	4.359	1.992	1.869	7.096
N392	Desplazamientos	Valor mínimo de la envolvente	-8.336	-14.974	-2.339	-1.697	-1.631	-7.122
		Valor máximo de la envolvente	7.312	15.008	2.724	1.740	1.621	7.158
N393	Desplazamientos	Valor mínimo de la envolvente	-8.069	-9.554	-1.193	-0.797	-1.539	-5.351
		Valor máximo de la envolvente	7.000	9.570	1.417	0.799	1.320	5.368
N394	Desplazamientos	Valor mínimo de la envolvente	-7.774	-4.282	-0.252	-0.174	-1.602	-3.724
		Valor máximo de la envolvente	6.734	4.282	0.266	0.171	1.558	3.752
N395	Desplazamientos	Valor mínimo de la envolvente	-7.572	-2.041	-1.590	-0.228	-1.646	-2.714
		Valor máximo de la envolvente	6.519	2.006	1.651	0.213	1.759	2.761
N396	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N397	Desplazamientos	Valor mínimo de la envolvente	-1.392	-0.420	-0.137	-0.935	-1.863	-0.893
		Valor máximo de la envolvente	0.742	0.427	0.114	0.923	1.098	0.888
N398	Desplazamientos	Valor mínimo de la envolvente	-3.003	-1.503	-0.192	-1.563	-1.792	-1.776
		Valor máximo de la envolvente	1.819	1.520	0.183	1.553	1.359	1.769
N399	Desplazamientos	Valor mínimo de la envolvente	-4.544	-2.961	-0.242	-1.768	-1.791	-2.580
		Valor máximo de la envolvente	3.126	2.983	0.249	1.767	1.650	2.572
N400	Desplazamientos	Valor mínimo de la envolvente	-5.903	-4.174	-0.250	-1.512	-1.842	-2.965
		Valor máximo de la envolvente	4.434	4.194	0.265	1.521	1.785	2.954
N401	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N402	Desplazamientos	Valor mínimo de la envolvente	-0.780	-0.381	-0.122	-0.860	-1.121	-0.854
		Valor máximo de la envolvente	1.426	0.389	0.100	0.846	1.881	0.861
N403	Desplazamientos	Valor mínimo de la envolvente	-1.836	-1.378	-0.161	-1.443	-1.282	-1.702
		Valor máximo de la envolvente	3.013	1.398	0.153	1.433	1.710	1.712
N404	Desplazamientos	Valor mínimo de la envolvente	-3.027	-2.722	-0.197	-1.626	-1.469	-2.477
		Valor máximo de la envolvente	4.432	2.746	0.204	1.626	1.604	2.490
N405	Desplazamientos	Valor mínimo de la envolvente	-4.175	-3.831	-0.200	-1.374	-1.572	-2.846
		Valor máximo de la envolvente	5.626	3.851	0.216	1.384	1.621	2.860
N406	Desplazamientos	Valor mínimo de la envolvente	-5.777	-1.810	-1.655	-0.377	-1.658	-3.534
		Valor máximo de la envolvente	4.311	1.859	1.638	0.441	1.641	3.505
N407	Desplazamientos	Valor mínimo de la envolvente	-6.111	-8.089	-1.051	-2.261	-1.337	-4.300
		Valor máximo de la envolvente	4.586	8.112	1.348	2.214	1.008	4.296
N408	Desplazamientos	Valor mínimo de la envolvente	-6.728	-19.862	-4.094	-4.176	-1.609	-7.193
		Valor máximo de la envolvente	5.091	19.756	4.524	4.082	1.756	7.031
N409	Desplazamientos	Valor mínimo de la envolvente	-7.587	-38.815	-8.383	-5.670	-0.909	-10.628
		Valor máximo de la envolvente	5.962	38.231	7.129	5.305	3.050	10.187
N410	Desplazamientos	Valor mínimo de la envolvente	-8.003	-51.723	-11.053	-5.963	-0.923	-12.118
		Valor máximo de la envolvente	6.553	50.767	7.967	5.329	2.874	11.558
N411	Desplazamientos	Valor mínimo de la envolvente	-8.373	-65.560	-13.648	-5.834	-0.841	-12.722
		Valor máximo de la envolvente	7.290	64.231	8.800	4.963	3.073	12.079
N412	Desplazamientos	Valor mínimo de la envolvente	-8.729	-79.664	-16.155	-5.655	-0.816	-12.948
		Valor máximo de la envolvente	8.077	78.006	9.532	4.556	2.838	12.255

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N413	Desplazamientos	Valor mínimo de la envolvente	-9.089	-97.650	-18.447	-6.578	-0.781	-12.744
		Valor máximo de la envolvente	8.947	95.740	10.272	5.327	2.681	12.042
N414	Desplazamientos	Valor mínimo de la envolvente	-9.496	-108.722	-20.534	-7.373	-0.750	-12.475
		Valor máximo de la envolvente	9.867	106.664	10.927	5.993	2.269	11.790
N415	Desplazamientos	Valor mínimo de la envolvente	-9.959	-120.863	-22.298	-8.005	-0.721	-11.847
		Valor máximo de la envolvente	10.808	118.782	11.582	6.589	1.895	11.237
N416	Desplazamientos	Valor mínimo de la envolvente	-10.402	-132.797	-23.782	-8.645	-0.651	-11.183
		Valor máximo de la envolvente	11.682	130.835	12.137	7.219	1.456	10.662
N417	Desplazamientos	Valor mínimo de la envolvente	-10.880	-144.250	-24.877	-8.924	-0.581	-10.278
		Valor máximo de la envolvente	12.464	142.540	12.638	7.584	1.130	9.899
N418	Desplazamientos	Valor mínimo de la envolvente	-11.302	-155.274	-25.650	-8.923	-0.470	-9.588
		Valor máximo de la envolvente	13.113	153.941	12.998	7.701	0.761	9.345
N419	Desplazamientos	Valor mínimo de la envolvente	-11.678	-164.674	-25.993	-8.737	-0.337	-8.883
		Valor máximo de la envolvente	13.522	163.721	13.217	7.684	0.420	8.799
N420	Desplazamientos	Valor mínimo de la envolvente	-11.872	-173.834	-25.940	-8.544	-0.382	-8.384
		Valor máximo de la envolvente	13.715	173.268	13.097	7.679	0.388	8.436
N421	Desplazamientos	Valor mínimo de la envolvente	-12.047	-182.785	-25.659	-8.241	-0.460	-7.962
		Valor máximo de la envolvente	13.798	182.620	12.863	7.573	0.363	8.134
N422	Desplazamientos	Valor mínimo de la envolvente	-12.090	-191.449	-25.025	-7.923	-0.773	-7.767
		Valor máximo de la envolvente	13.745	191.677	12.293	7.460	0.631	8.014
N423	Desplazamientos	Valor mínimo de la envolvente	-12.117	-200.011	-24.194	-7.822	-1.005	-7.732
		Valor máximo de la envolvente	13.620	200.606	11.607	7.528	0.839	8.012
N424	Desplazamientos	Valor mínimo de la envolvente	-12.049	-208.439	-23.091	-7.817	-1.384	-7.838
		Valor máximo de la envolvente	13.427	209.346	10.589	7.691	1.226	8.108
N425	Desplazamientos	Valor mínimo de la envolvente	-11.813	-217.481	-21.665	-7.513	-1.675	-8.034
		Valor máximo de la envolvente	13.036	218.634	9.316	7.501	1.507	8.262
N426	Desplazamientos	Valor mínimo de la envolvente	-11.567	-225.339	-21.171	-7.097	-1.733	-8.249
		Valor máximo de la envolvente	12.656	226.662	7.838	7.191	1.585	8.414
N427	Desplazamientos	Valor mínimo de la envolvente	-11.308	-233.875	-20.912	-6.292	-1.847	-8.506
		Valor máximo de la envolvente	12.246	235.291	6.308	6.429	1.707	8.594
N428	Desplazamientos	Valor mínimo de la envolvente	-11.087	-242.274	-20.783	-5.304	-1.874	-8.616
		Valor máximo de la envolvente	11.896	243.703	4.694	5.466	1.755	8.625
N429	Desplazamientos	Valor mínimo de la envolvente	-10.894	-250.516	-20.580	-4.004	-1.924	-8.580
		Valor máximo de la envolvente	11.564	251.892	3.056	4.141	1.823	8.508
N430	Desplazamientos	Valor mínimo de la envolvente	-10.724	-258.937	-20.519	-2.500	-1.919	-7.785
		Valor máximo de la envolvente	11.260	260.185	1.202	2.601	1.846	7.650
N431	Desplazamientos	Valor mínimo de la envolvente	-10.659	-264.819	-20.412	-1.654	-1.940	-6.099
		Valor máximo de la envolvente	11.081	265.936	0.824	1.725	1.884	5.953
N432	Desplazamientos	Valor mínimo de la envolvente	-10.596	-268.707	-20.408	-1.000	-1.876	-2.114
		Valor máximo de la envolvente	10.896	269.708	0.944	1.049	1.814	2.048
N433	Desplazamientos	Valor mínimo de la envolvente	-10.284	-268.664	-20.326	-1.470	-1.841	-2.229
		Valor máximo de la envolvente	10.459	269.653	1.083	1.464	1.787	2.262
N434	Desplazamientos	Valor mínimo de la envolvente	-10.258	-265.124	-20.415	-2.845	-1.752	-3.870
		Valor máximo de la envolvente	10.285	266.177	1.196	2.807	1.725	3.934
N435	Desplazamientos	Valor mínimo de la envolvente	-10.293	-259.878	-20.398	-4.868	-1.696	-4.713
		Valor máximo de la envolvente	10.164	261.001	1.272	4.828	1.692	4.766
N436	Desplazamientos	Valor mínimo de la envolvente	-10.375	-255.193	-20.541	-6.488	-1.606	-4.850
		Valor máximo de la envolvente	10.122	256.354	1.272	6.447	1.639	4.883
N437	Desplazamientos	Valor mínimo de la envolvente	-10.484	-250.207	-20.631	-7.812	-1.548	-5.018

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	10.109	251.386	1.243	7.759	1.600	5.033
N438	Desplazamientos	Valor mínimo de la envolvente	-10.616	-245.238	-20.825	-8.936	-1.442	-5.121
		Valor máximo de la envolvente	10.119	246.416	2.367	8.863	1.518	5.118
N439	Desplazamientos	Valor mínimo de la envolvente	-10.792	-239.041	-20.992	-9.749	-1.338	-5.358
		Valor máximo de la envolvente	10.157	240.193	3.814	9.627	1.444	5.334
N440	Desplazamientos	Valor mínimo de la envolvente	-10.978	-232.877	-21.289	-10.371	-1.208	-5.558
		Valor máximo de la envolvente	10.198	233.971	5.006	10.192	1.340	5.513
N441	Desplazamientos	Valor mínimo de la envolvente	-11.176	-226.196	-21.528	-10.624	-1.088	-5.783
		Valor máximo de la envolvente	10.258	227.192	6.135	10.342	1.243	5.711
N442	Desplazamientos	Valor mínimo de la envolvente	-11.370	-219.436	-21.861	-10.781	-0.944	-5.993
		Valor máximo de la envolvente	10.301	220.280	7.073	10.383	1.108	5.895
N443	Desplazamientos	Valor mínimo de la envolvente	-11.562	-212.078	-22.125	-10.645	-0.805	-6.190
		Valor máximo de la envolvente	10.351	212.692	7.948	10.070	0.990	6.058
N444	Desplazamientos	Valor mínimo de la envolvente	-11.732	-204.721	-22.471	-10.475	-0.652	-6.422
		Valor máximo de la envolvente	10.362	205.028	8.624	9.723	0.827	6.277
N445	Desplazamientos	Valor mínimo de la envolvente	-11.871	-196.991	-22.718	-10.160	-0.496	-6.675
		Valor máximo de la envolvente	10.368	196.901	9.210	9.182	0.682	6.545
N446	Desplazamientos	Valor mínimo de la envolvente	-11.970	-189.013	-23.038	-9.904	-0.346	-7.081
		Valor máximo de la envolvente	10.312	188.477	9.605	8.714	0.505	7.024
N447	Desplazamientos	Valor mínimo de la envolvente	-12.001	-180.456	-23.217	-9.427	-0.329	-7.614
		Valor máximo de la envolvente	10.239	179.441	9.903	8.008	0.440	7.693
N448	Desplazamientos	Valor mínimo de la envolvente	-11.940	-171.299	-23.317	-8.863	-0.388	-8.189
		Valor máximo de la envolvente	10.085	169.848	10.005	7.220	0.390	8.460
N449	Desplazamientos	Valor mínimo de la envolvente	-11.769	-162.415	-23.217	-8.286	-0.431	-8.474
		Valor máximo de la envolvente	9.908	160.522	10.021	6.435	0.361	8.922
N450	Desplazamientos	Valor mínimo de la envolvente	-11.456	-152.826	-22.995	-7.827	-0.685	-8.850
		Valor máximo de la envolvente	9.622	150.524	9.821	5.802	0.404	9.477
N451	Desplazamientos	Valor mínimo de la envolvente	-10.904	-141.319	-22.240	-7.370	-1.014	-9.260
		Valor máximo de la envolvente	9.299	138.568	9.532	5.258	0.449	10.031
N452	Desplazamientos	Valor mínimo de la envolvente	-10.276	-129.355	-21.151	-7.004	-1.468	-9.869
		Valor máximo de la envolvente	8.967	126.376	9.176	4.847	0.462	10.787
N453	Desplazamientos	Valor mínimo de la envolvente	-9.533	-117.195	-19.560	-6.692	-1.959	-10.372
		Valor máximo de la envolvente	8.661	114.128	8.808	4.613	0.474	11.371
N454	Desplazamientos	Valor mínimo de la envolvente	-8.769	-104.390	-18.047	-6.448	-2.332	-10.954
		Valor máximo de la envolvente	8.364	101.463	8.405	4.478	0.465	12.012
N455	Desplazamientos	Valor mínimo de la envolvente	-7.981	-91.071	-16.248	-6.330	-2.770	-11.268
		Valor máximo de la envolvente	8.100	88.404	8.028	4.579	0.452	12.312
N456	Desplazamientos	Valor mínimo de la envolvente	-7.283	-77.429	-14.280	-6.265	-2.922	-11.531
		Valor máximo de la envolvente	7.901	75.175	7.619	4.755	0.469	12.522
N457	Desplazamientos	Valor mínimo de la envolvente	-6.616	-63.656	-12.121	-6.323	-3.178	-11.395
		Valor máximo de la envolvente	7.675	61.869	7.220	5.136	0.473	12.290
N458	Desplazamientos	Valor mínimo de la envolvente	-6.015	-50.147	-9.867	-6.284	-2.967	-10.962
		Valor máximo de la envolvente	7.435	48.883	6.746	5.431	0.569	11.718
N459	Desplazamientos	Valor mínimo de la envolvente	-5.507	-37.572	-7.542	-5.808	-3.161	-9.707
		Valor máximo de la envolvente	7.108	36.798	6.238	5.317	0.557	10.289
N460	Desplazamientos	Valor mínimo de la envolvente	-4.757	-19.113	-3.746	-4.079	-1.572	-6.778
		Valor máximo de la envolvente	6.374	18.958	4.159	3.960	1.420	6.983
N461	Desplazamientos	Valor mínimo de la envolvente	-4.318	-7.668	-1.003	-2.146	-0.975	-4.174
		Valor máximo de la envolvente	5.825	7.686	1.297	2.096	1.294	4.190

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N462	Desplazamientos	Valor mínimo de la envolvente	-4.069	-1.394	-1.413	-0.261	-1.459	-3.380
		Valor máximo de la envolvente	5.517	1.442	1.405	0.328	1.469	3.407
N463	Desplazamientos	Valor mínimo de la envolvente	-5.461	-1.462	-1.410	-0.082	-1.520	-3.232
		Valor máximo de la envolvente	6.910	1.374	1.402	0.568	1.523	3.123
N464	Desplazamientos	Valor mínimo de la envolvente	-5.685	-4.031	-0.176	-0.121	-1.346	-3.840
		Valor máximo de la envolvente	7.126	4.004	0.198	0.437	1.469	3.750
N465	Desplazamientos	Valor mínimo de la envolvente	-5.887	-9.112	-0.995	-0.975	-1.097	-5.128
		Valor máximo de la envolvente	7.355	9.122	1.301	1.221	1.378	5.018
N466	Desplazamientos	Valor mínimo de la envolvente	-6.124	-14.393	-1.951	-2.087	-1.348	-6.875
		Valor máximo de la envolvente	7.543	14.428	2.476	2.110	1.425	6.854
N467	Desplazamientos	Valor mínimo de la envolvente	-6.511	-21.753	-3.419	-2.686	-1.576	-6.770
		Valor máximo de la envolvente	7.803	21.832	3.884	2.456	1.432	6.732
N468	Desplazamientos	Valor mínimo de la envolvente	-6.947	-30.476	-4.947	-4.037	-1.839	-9.184
		Valor máximo de la envolvente	8.037	30.576	5.174	3.498	1.116	9.341
N469	Desplazamientos	Valor mínimo de la envolvente	-7.517	-40.413	-6.958	-3.906	-2.927	-8.787
		Valor máximo de la envolvente	8.104	40.556	5.929	2.967	0.626	8.931
N470	Desplazamientos	Valor mínimo de la envolvente	-8.095	-51.671	-9.174	-4.918	-3.139	-11.613
		Valor máximo de la envolvente	8.185	51.863	6.448	3.669	0.528	12.013
N471	Desplazamientos	Valor mínimo de la envolvente	-8.768	-63.735	-11.322	-4.225	-3.163	-10.374
		Valor máximo de la envolvente	8.331	63.967	6.942	2.546	0.481	10.844
N472	Desplazamientos	Valor mínimo de la envolvente	-9.421	-76.298	-13.433	-5.317	-3.036	-12.684
		Valor máximo de la envolvente	8.505	76.581	7.328	3.330	0.444	13.419
N473	Desplazamientos	Valor mínimo de la envolvente	-10.062	-89.206	-15.378	-4.731	-2.774	-10.807
		Valor máximo de la envolvente	8.711	89.540	7.759	2.325	0.467	11.665
N474	Desplazamientos	Valor mínimo de la envolvente	-10.649	-102.118	-17.211	-6.036	-2.379	-12.501
		Valor máximo de la envolvente	8.918	102.511	8.126	3.486	0.453	13.590
N475	Desplazamientos	Valor mínimo de la envolvente	-11.163	-115.020	-18.760	-6.388	-1.978	-10.366
		Valor máximo de la envolvente	9.162	115.473	8.553	3.584	0.506	11.536
N476	Desplazamientos	Valor mínimo de la envolvente	-11.603	-127.947	-20.339	-7.170	-1.484	-11.566
		Valor máximo de la envolvente	9.383	128.475	8.928	4.520	0.454	12.838
N477	Desplazamientos	Valor mínimo de la envolvente	-11.919	-139.648	-21.546	-7.970	-1.039	-9.334
		Valor máximo de la envolvente	9.637	140.256	9.341	5.345	0.508	10.560
N478	Desplazamientos	Valor mínimo de la envolvente	-12.134	-151.713	-22.518	-8.492	-0.676	-10.236
		Valor máximo de la envolvente	9.825	152.414	9.680	6.271	0.366	11.410
N479	Desplazamientos	Valor mínimo de la envolvente	-12.152	-163.498	-22.917	-8.837	-0.460	-8.227
		Valor máximo de la envolvente	9.982	164.303	9.947	6.887	0.444	9.190
N480	Desplazamientos	Valor mínimo de la envolvente	-12.021	-175.206	-23.087	-9.430	-0.368	-9.591
		Valor máximo de la envolvente	10.002	176.128	10.025	7.861	0.370	10.414
N481	Desplazamientos	Valor mínimo de la envolvente	-11.793	-186.846	-23.162	-9.104	-0.327	-8.484
		Valor máximo de la envolvente	9.962	187.768	9.999	7.843	0.420	9.041
N482	Desplazamientos	Valor mínimo de la envolvente	-11.430	-198.282	-23.000	-10.810	-0.348	-8.490
		Valor máximo de la envolvente	9.803	199.295	9.783	9.984	0.533	8.852
N483	Desplazamientos	Valor mínimo de la envolvente	-11.027	-208.931	-22.784	-11.333	-0.509	-6.137
		Valor máximo de la envolvente	9.614	209.971	9.458	10.955	0.684	6.252
N484	Desplazamientos	Valor mínimo de la envolvente	-10.594	-219.071	-22.528	-12.169	-0.651	-7.102
		Valor máximo de la envolvente	9.358	220.163	8.935	11.944	0.831	7.125
N485	Desplazamientos	Valor mínimo de la envolvente	-10.126	-228.633	-22.227	-12.210	-0.822	-5.387
		Valor máximo de la envolvente	9.077	229.774	8.292	12.206	0.996	5.351
N486	Desplazamientos	Valor mínimo de la envolvente	-9.666	-237.535	-21.928	-12.667	-0.940	-6.371

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	8.769	238.696	7.466	12.691	1.109	6.352
N487	Desplazamientos	Valor mínimo de la envolvente	-9.203	-245.743	-21.622	-12.497	-1.103	-4.637
		Valor máximo de la envolvente	8.460	246.912	6.524	12.573	1.243	4.604
N488	Desplazamientos	Valor mínimo de la envolvente	-8.773	-253.132	-21.335	-12.571	-1.196	-5.284
		Valor máximo de la envolvente	8.157	254.315	5.423	12.635	1.334	5.257
N489	Desplazamientos	Valor mínimo de la envolvente	-8.364	-259.480	-21.062	-12.266	-1.357	-3.614
		Valor máximo de la envolvente	7.874	260.667	4.213	12.334	1.452	3.605
N490	Desplazamientos	Valor mínimo de la envolvente	-8.009	-264.770	-20.852	-11.814	-1.432	-3.877
		Valor máximo de la envolvente	7.622	265.952	2.837	11.875	1.506	3.877
N491	Desplazamientos	Valor mínimo de la envolvente	-7.700	-269.063	-20.667	-11.330	-1.536	-2.389
		Valor máximo de la envolvente	7.412	270.227	1.384	11.394	1.590	2.410
N492	Desplazamientos	Valor mínimo de la envolvente	-7.453	-272.064	-20.527	-10.420	-1.608	-2.165
		Valor máximo de la envolvente	7.257	273.199	1.359	10.505	1.637	2.190
N493	Desplazamientos	Valor mínimo de la envolvente	-7.262	-273.912	-20.421	-9.720	-1.675	-0.960
		Valor máximo de la envolvente	7.155	275.007	1.330	9.837	1.675	1.003
N494	Desplazamientos	Valor mínimo de la envolvente	-7.131	-273.194	-20.375	-7.649	-1.757	-1.853
		Valor máximo de la envolvente	7.136	274.233	1.191	7.807	1.729	1.900
N495	Desplazamientos	Valor mínimo de la envolvente	-7.109	-272.257	-20.343	-6.705	-1.805	-1.119
		Valor máximo de la envolvente	7.226	273.222	1.077	6.946	1.746	1.207
N496	Desplazamientos	Valor mínimo de la envolvente	-7.334	-270.586	-20.394	-3.935	-1.879	-2.031
		Valor máximo de la envolvente	7.549	271.488	0.900	4.146	1.817	2.075
N497	Desplazamientos	Valor mínimo de la envolvente	-7.448	-268.186	-20.433	-6.427	-1.913	-2.758
		Valor máximo de la envolvente	7.758	269.071	0.801	6.795	1.881	2.824
N498	Desplazamientos	Valor mínimo de la envolvente	-7.645	-264.382	-20.515	-7.118	-1.904	-4.483
		Valor máximo de la envolvente	8.058	265.234	1.718	7.545	1.827	4.589
N499	Desplazamientos	Valor mínimo de la envolvente	-7.925	-259.352	-20.628	-8.377	-1.921	-4.525
		Valor máximo de la envolvente	8.446	260.162	3.506	8.909	1.828	4.671
N500	Desplazamientos	Valor mínimo de la envolvente	-8.292	-253.010	-20.798	-9.039	-1.869	-6.290
		Valor máximo de la envolvente	8.941	253.775	5.222	9.588	1.746	6.460
N501	Desplazamientos	Valor mínimo de la envolvente	-8.718	-245.699	-20.983	-9.622	-1.824	-5.615
		Valor máximo de la envolvente	9.493	246.428	6.880	10.221	1.690	5.805
N502	Desplazamientos	Valor mínimo de la envolvente	-9.217	-237.441	-21.204	-10.048	-1.739	-7.315
		Valor máximo de la envolvente	10.146	238.147	8.429	10.586	1.588	7.504
N503	Desplazamientos	Valor mínimo de la envolvente	-9.741	-228.597	-22.264	-9.977	-1.642	-6.207
		Valor máximo de la envolvente	10.820	229.277	9.877	10.483	1.480	6.416
N504	Desplazamientos	Valor mínimo de la envolvente	-10.298	-219.181	-23.647	-10.091	-1.387	-7.798
		Valor máximo de la envolvente	11.561	219.819	11.133	10.420	1.224	7.984
N505	Desplazamientos	Valor mínimo de la envolvente	-10.767	-209.389	-24.665	-9.509	-1.006	-6.650
		Valor máximo de la envolvente	12.201	209.980	12.060	9.716	0.853	6.783
N506	Desplazamientos	Valor mínimo de la envolvente	-11.134	-199.185	-25.348	-9.456	-0.812	-8.418
		Valor máximo de la envolvente	12.773	199.741	12.656	9.366	0.650	8.415
N507	Desplazamientos	Valor mínimo de la envolvente	-11.468	-188.458	-25.848	-9.122	-0.497	-7.671
		Valor máximo de la envolvente	13.305	188.972	13.096	8.772	0.393	7.530
N508	Desplazamientos	Valor mínimo de la envolvente	-11.608	-177.429	-25.924	-9.144	-0.342	-9.940
		Valor máximo de la envolvente	13.630	177.942	13.216	8.457	0.355	9.581
N509	Desplazamientos	Valor mínimo de la envolvente	-11.671	-166.006	-25.792	-9.494	-0.413	-9.251
		Valor máximo de la envolvente	13.837	166.458	13.192	8.449	0.449	8.739
N510	Desplazamientos	Valor mínimo de la envolvente	-11.528	-154.329	-25.263	-9.258	-0.440	-11.569
		Valor máximo de la envolvente	13.817	154.741	12.880	7.963	0.747	10.852

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N511	Desplazamientos	Valor mínimo de la envolvente	-11.320	-142.506	-24.286	-9.417	-0.613	-10.841
		Valor máximo de la envolvente	13.581	142.881	12.431	7.742	1.150	10.050
N512	Desplazamientos	Valor mínimo de la envolvente	-11.007	-130.599	-23.059	-8.932	-0.661	-13.185
		Valor máximo de la envolvente	13.203	130.943	11.852	7.175	1.474	12.311
N513	Desplazamientos	Valor mínimo de la envolvente	-10.704	-118.319	-21.434	-8.369	-0.739	-11.861
		Valor máximo de la envolvente	12.678	118.630	11.259	6.413	1.880	11.042
N514	Desplazamientos	Valor mínimo de la envolvente	-10.346	-106.502	-19.594	-7.619	-0.747	-13.910
		Valor máximo de la envolvente	12.045	106.787	10.562	5.798	2.335	13.109
N515	Desplazamientos	Valor mínimo de la envolvente	-10.032	-91.053	-17.495	-6.838	-0.800	-11.961
		Valor máximo de la envolvente	11.351	91.307	9.915	5.044	2.668	11.327
N516	Desplazamientos	Valor mínimo de la envolvente	-9.693	-78.032	-15.232	-5.912	-0.793	-13.755
		Valor máximo de la envolvente	10.579	78.256	9.161	4.410	2.952	13.184
N517	Desplazamientos	Valor mínimo de la envolvente	-9.392	-65.214	-12.779	-4.803	-0.867	-11.142
		Valor máximo de la envolvente	9.795	65.401	8.441	3.488	3.051	10.790
N518	Desplazamientos	Valor mínimo de la envolvente	-9.115	-53.080	-10.312	-4.522	-0.883	-12.338
		Valor máximo de la envolvente	8.996	53.238	7.609	3.543	3.044	12.012
N519	Desplazamientos	Valor mínimo de la envolvente	-8.914	-41.477	-7.750	-3.632	-0.987	-9.164
		Valor máximo de la envolvente	8.292	41.595	6.758	2.879	2.806	9.069
N520	Desplazamientos	Valor mínimo de la envolvente	-8.719	-31.413	-5.457	-3.849	-1.382	-9.563
		Valor máximo de la envolvente	7.601	31.496	5.705	3.438	2.100	9.432
N521	Desplazamientos	Valor mínimo de la envolvente	-8.397	-22.486	-3.721	-2.593	-1.643	-6.893
		Valor máximo de la envolvente	7.076	22.554	4.202	2.439	1.779	6.948
N522	Desplazamientos	Valor mínimo de la envolvente	-8.059	-15.010	-2.079	-2.093	-1.579	-6.991
		Valor máximo de la envolvente	6.614	15.038	2.611	2.159	1.495	7.016
N523	Desplazamientos	Valor mínimo de la envolvente	-7.826	-9.626	-1.035	-1.034	-1.477	-5.139
		Valor máximo de la envolvente	6.333	9.632	1.345	1.295	1.196	5.249
N524	Desplazamientos	Valor mínimo de la envolvente	-7.574	-4.378	-0.269	-0.183	-1.618	-3.848
		Valor máximo de la envolvente	6.108	4.352	0.290	0.449	1.491	3.934
N525	Desplazamientos	Valor mínimo de la envolvente	-7.386	-1.990	-1.651	-0.084	-1.712	-3.221
		Valor máximo de la envolvente	5.912	1.900	1.635	0.573	1.699	3.328
N526	Desplazamientos	Valor mínimo de la envolvente	-8.683	-22.523	-3.899	-2.023	-1.395	-6.627
		Valor máximo de la envolvente	7.217	22.573	3.577	2.974	2.089	6.641
N527	Desplazamientos	Valor mínimo de la envolvente	-11.496	-41.470	-10.027	-1.755	-1.533	-8.418
		Valor máximo de la envolvente	10.847	41.577	6.338	4.033	3.575	8.773
N528	Desplazamientos	Valor mínimo de la envolvente	-14.454	-65.263	-19.152	-2.607	-1.760	-10.903
		Valor máximo de la envolvente	15.507	65.426	9.877	6.003	4.612	11.813
N529	Desplazamientos	Valor mínimo de la envolvente	-16.968	-91.043	-29.296	-4.328	-2.424	-10.934
		Valor máximo de la envolvente	20.108	91.272	14.219	8.762	4.714	12.498
N530	Desplazamientos	Valor mínimo de la envolvente	-18.165	-117.167	-39.794	-6.763	-2.976	-10.744
		Valor máximo de la envolvente	23.072	117.476	20.400	11.654	4.208	12.807
N531	Desplazamientos	Valor mínimo de la envolvente	-17.583	-142.152	-47.949	-9.018	-4.377	-9.466
		Valor máximo de la envolvente	23.239	142.529	26.791	13.458	4.025	11.624
N532	Desplazamientos	Valor mínimo de la envolvente	-20.648	-165.860	-52.889	-11.004	-7.164	-7.108
		Valor máximo de la envolvente	25.510	166.285	32.897	14.197	5.557	8.757
N533	Desplazamientos	Valor mínimo de la envolvente	-23.062	-188.478	-54.471	-12.659	-7.753	-6.192
		Valor máximo de la envolvente	26.279	188.972	37.249	14.380	5.825	7.038
N534	Desplazamientos	Valor mínimo de la envolvente	-23.939	-209.706	-56.150	-17.597	-5.873	-5.785
		Valor máximo de la envolvente	25.578	210.256	41.827	18.088	4.500	6.001
N535	Desplazamientos	Valor mínimo de la envolvente	-22.829	-228.678	-64.518	-20.643	-4.569	-4.609

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	23.704	229.283	51.831	20.509	4.039	4.597
N536	Desplazamientos	Valor mínimo de la envolvente	-20.244	-246.505	-66.546	-21.748	-5.610	-3.418
		Valor máximo de la envolvente	20.834	247.231	54.397	21.484	5.496	3.392
N537	Desplazamientos	Valor mínimo de la envolvente	-17.836	-260.130	-66.502	-22.080	-6.086	-2.699
		Valor máximo de la envolvente	18.311	260.945	54.357	21.878	6.132	2.699
N538	Desplazamientos	Valor mínimo de la envolvente	-16.034	-268.542	-66.319	-22.637	-5.937	-1.623
		Valor máximo de la envolvente	16.417	269.454	54.046	22.512	5.977	1.645
N539	Desplazamientos	Valor mínimo de la envolvente	-14.968	-272.617	-68.020	-23.246	-4.547	-1.366
		Valor máximo de la envolvente	15.242	273.613	55.730	23.160	4.510	1.406
N540	Desplazamientos	Valor mínimo de la envolvente	-15.090	-273.264	-72.676	-23.670	-3.505	-1.622
		Valor máximo de la envolvente	15.228	274.361	60.669	23.562	3.330	1.668
N541	Desplazamientos	Valor mínimo de la envolvente	-15.806	-268.567	-76.005	-24.226	-4.467	-1.618
		Valor máximo de la envolvente	15.864	269.728	64.368	24.014	4.292	1.675
N542	Desplazamientos	Valor mínimo de la envolvente	-17.255	-258.594	-76.853	-24.564	-4.616	-2.091
		Valor máximo de la envolvente	17.254	259.781	65.553	24.190	4.487	2.177
N543	Desplazamientos	Valor mínimo de la envolvente	-19.021	-245.149	-74.638	-24.431	-3.743	-2.826
		Valor máximo de la envolvente	18.941	246.313	63.491	23.922	3.774	2.946
N544	Desplazamientos	Valor mínimo de la envolvente	-20.688	-228.337	-72.007	-23.438	-2.981	-3.810
		Valor máximo de la envolvente	20.374	229.404	60.485	22.986	3.434	3.939
N545	Desplazamientos	Valor mínimo de la envolvente	-21.518	-209.179	-63.328	-20.502	-4.315	-4.912
		Valor máximo de la envolvente	20.433	210.177	50.149	20.648	5.787	4.841
N546	Desplazamientos	Valor mínimo de la envolvente	-33.017	-186.973	-38.745	-6.957	-0.325	-13.742
		Valor máximo de la envolvente	30.214	187.878	18.833	10.289	0.412	13.355
N547	Desplazamientos	Valor mínimo de la envolvente	-17.689	-163.792	-36.504	-9.037	-6.079	-7.446
		Valor máximo de la envolvente	13.100	164.556	17.107	12.102	7.686	5.889
N548	Desplazamientos	Valor mínimo de la envolvente	-21.241	-140.042	-33.041	-3.949	-4.396	-10.860
		Valor máximo de la envolvente	15.814	140.657	10.474	8.277	4.812	8.706
N549	Desplazamientos	Valor mínimo de la envolvente	-21.591	-115.128	-30.313	-1.384	-2.606	-12.214
		Valor máximo de la envolvente	16.859	115.582	6.580	6.961	1.431	10.147
N550	Desplazamientos	Valor mínimo de la envolvente	-19.035	-89.371	-22.977	-0.642	-4.049	-12.067
		Valor máximo de la envolvente	16.033	89.684	4.820	6.150	0.575	10.493
N551	Desplazamientos	Valor mínimo de la envolvente	-14.744	-63.767	-13.690	-1.155	-4.556	-10.686
		Valor máximo de la envolvente	13.802	63.977	4.588	4.534	0.360	9.768
N552	Desplazamientos	Valor mínimo de la envolvente	-10.378	-40.511	-7.963	-1.875	-3.418	-8.524
		Valor máximo de la envolvente	11.122	40.643	4.385	4.132	0.422	8.166
N553	Desplazamientos	Valor mínimo de la envolvente	-6.901	-21.782	-3.491	-2.130	-1.684	-6.491
		Valor máximo de la envolvente	8.453	21.843	3.232	3.061	1.006	6.476
N554	Desplazamientos	Valor mínimo de la envolvente	-6.898	-21.765	-3.887	-3.082	-1.862	-6.481
		Valor máximo de la envolvente	8.440	21.846	3.462	2.008	1.120	6.468
N555	Desplazamientos	Valor mínimo de la envolvente	-10.385	-40.426	-8.796	-4.292	-3.888	-8.154
		Valor máximo de la envolvente	11.073	40.569	4.771	1.737	0.572	8.519
N556	Desplazamientos	Valor mínimo de la envolvente	-14.848	-63.740	-16.475	-6.201	-5.507	-9.725
		Valor máximo de la envolvente	13.711	63.973	5.283	0.900	0.637	10.738
N557	Desplazamientos	Valor mínimo de la envolvente	-19.328	-89.313	-29.481	-9.658	-5.755	-10.353
		Valor máximo de la envolvente	15.802	89.649	6.695	0.705	1.524	12.220
N558	Desplazamientos	Valor mínimo de la envolvente	-22.252	-115.084	-41.540	-12.840	-5.206	-9.894
		Valor máximo de la envolvente	16.428	115.536	11.193	2.558	3.428	12.578
N559	Desplazamientos	Valor mínimo de la envolvente	-22.293	-140.046	-47.799	-13.335	-5.249	-8.375
		Valor máximo de la envolvente	15.306	140.651	20.190	6.300	5.647	11.401

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N560	Desplazamientos	Valor mínimo de la envolvente	-26.583	-163.853	-54.623	-15.161	-5.802	-6.158
		Valor máximo de la envolvente	20.606	164.663	31.110	10.253	8.064	8.476
N561	Desplazamientos	Valor mínimo de la envolvente	-25.377	-209.028	-64.663	-21.138	-4.272	-6.101
		Valor máximo de la envolvente	23.891	210.073	49.135	20.136	6.100	6.408
N562	Desplazamientos	Valor mínimo de la envolvente	-23.886	-228.129	-73.272	-23.364	-3.431	-4.635
		Valor máximo de la envolvente	23.225	229.284	59.491	23.026	3.771	4.687
N563	Desplazamientos	Valor mínimo de la envolvente	-21.699	-244.989	-77.830	-24.426	-4.598	-3.069
		Valor máximo de la envolvente	21.095	246.159	63.828	23.868	4.165	3.190
N564	Desplazamientos	Valor mínimo de la envolvente	-19.826	-258.426	-78.377	-25.023	-5.366	-1.911
		Valor máximo de la envolvente	19.086	259.613	63.264	23.805	4.848	2.120
N565	Desplazamientos	Valor mínimo de la envolvente	-18.087	-268.618	-77.304	-24.820	-4.894	-1.254
		Valor máximo de la envolvente	17.443	269.782	62.051	23.489	5.310	1.425
N566	Desplazamientos	Valor mínimo de la envolvente	-17.222	-273.421	-73.686	-23.984	-3.364	-0.915
		Valor máximo de la envolvente	16.781	274.516	59.524	23.216	3.939	1.004
N567	Desplazamientos	Valor mínimo de la envolvente	-17.053	-272.764	-68.241	-23.357	-4.271	-0.815
		Valor máximo de la envolvente	16.755	273.730	55.422	23.204	4.742	0.872
N568	Desplazamientos	Valor mínimo de la envolvente	-18.029	-268.753	-66.042	-22.417	-5.936	-1.511
		Valor máximo de la envolvente	17.780	269.638	54.037	22.615	6.265	1.601
N569	Desplazamientos	Valor mínimo de la envolvente	-19.971	-260.392	-65.941	-21.690	-6.375	-2.625
		Valor máximo de la envolvente	19.753	261.201	54.480	22.123	6.556	2.775
N570	Desplazamientos	Valor mínimo de la envolvente	-22.680	-246.126	-65.950	-21.271	-6.031	-3.497
		Valor máximo de la envolvente	22.543	246.855	54.654	21.825	5.960	3.700
N571	Desplazamientos	Valor mínimo de la envolvente	-25.585	-228.706	-63.950	-20.303	-4.939	-5.137
		Valor máximo de la envolvente	25.729	229.401	52.140	20.728	4.392	5.342
N572	Desplazamientos	Valor mínimo de la envolvente	-26.678	-209.641	-56.461	-17.867	-5.780	-6.756
		Valor máximo de la envolvente	27.648	210.237	42.895	17.624	4.342	6.737
N573	Desplazamientos	Valor mínimo de la envolvente	-25.513	-188.522	-57.295	-14.298	-7.699	-7.849
		Valor máximo de la envolvente	28.178	189.038	40.637	12.755	5.675	7.175
N574	Desplazamientos	Valor mínimo de la envolvente	-22.619	-165.777	-55.481	-14.275	-7.160	-8.689
		Valor máximo de la envolvente	27.058	166.232	35.850	11.181	5.456	7.169
N575	Desplazamientos	Valor mínimo de la envolvente	-18.579	-142.197	-50.064	-13.386	-4.375	-11.526
		Valor máximo de la envolvente	23.927	142.571	29.097	8.973	3.947	9.457
N576	Desplazamientos	Valor mínimo de la envolvente	-18.212	-117.091	-40.887	-11.232	-3.125	-12.747
		Valor máximo de la envolvente	22.884	117.402	21.574	6.319	4.313	10.748
N577	Desplazamientos	Valor mínimo de la envolvente	-17.031	-91.082	-31.227	-8.939	-2.411	-12.463
		Valor máximo de la envolvente	19.978	91.338	16.176	4.459	4.676	10.951
N578	Desplazamientos	Valor mínimo de la envolvente	-14.503	-65.219	-20.223	-5.966	-2.296	-11.814
		Valor máximo de la envolvente	15.392	65.407	10.952	2.515	4.912	10.952
N579	Desplazamientos	Valor mínimo de la envolvente	-11.577	-41.490	-10.685	-4.035	-1.703	-8.746
		Valor máximo de la envolvente	10.789	41.608	7.002	1.712	3.738	8.436
N580	Desplazamientos	Valor mínimo de la envolvente	-8.754	-22.498	-4.305	-2.987	-1.568	-6.623
		Valor máximo de la envolvente	7.171	22.568	3.988	2.004	2.253	6.650
N581	Desplazamientos	Valor mínimo de la envolvente	-39.727	-186.846	-43.282	-10.585	-0.327	-13.359
		Valor máximo de la envolvente	36.334	187.768	21.388	6.732	0.420	13.917
N582	Desplazamientos	Valor mínimo de la envolvente	-5.817	-9.121	-0.996	-1.184	-1.219	-4.836
		Valor máximo de la envolvente	7.426	9.130	1.356	1.199	1.357	4.651
N583	Desplazamientos	Valor mínimo de la envolvente	-5.156	-9.104	-0.876	-1.241	-1.101	-4.672
		Valor máximo de la envolvente	6.778	9.141	1.271	1.175	1.261	4.819
N584	Desplazamientos	Valor mínimo de la envolvente	-8.042	-9.635	-1.008	-1.256	-1.499	-4.782

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	6.412	9.641	1.380	1.283	1.347	4.962
N585	Desplazamientos	Valor mínimo de la envolvente	-7.346	-9.628	-0.886	-1.306	-1.332	-4.947
		Valor máximo de la envolvente	5.805	9.662	1.257	1.262	1.192	4.805
N586	Desplazamientos	Valor mínimo de la envolvente	-5.571	-4.090	-0.217	-0.058	-1.378	-1.379
		Valor máximo de la envolvente	6.947	4.072	0.168	0.075	1.389	1.340
N587	Desplazamientos	Valor mínimo de la envolvente	-5.197	-4.019	-0.231	-0.038	-1.357	-1.917
		Valor máximo de la envolvente	6.534	4.010	0.155	0.055	1.347	1.885
N588	Desplazamientos	Valor mínimo de la envolvente	-5.226	-3.955	-0.230	-0.051	-1.376	-1.955
		Valor máximo de la envolvente	6.533	3.954	0.155	0.036	1.367	1.933
N589	Desplazamientos	Valor mínimo de la envolvente	-5.667	-3.920	-0.217	-0.112	-1.462	-1.310
		Valor máximo de la envolvente	6.950	3.927	0.179	0.070	1.456	1.284
N590	Desplazamientos	Valor mínimo de la envolvente	-4.111	-3.949	-0.238	-0.270	-1.475	-1.023
		Valor máximo de la envolvente	5.521	3.966	0.193	0.323	1.438	0.969
N591	Desplazamientos	Valor mínimo de la envolvente	-3.815	-4.002	-0.254	-0.051	-1.393	-1.540
		Valor máximo de la envolvente	5.170	4.010	0.177	0.061	1.368	1.498
N592	Desplazamientos	Valor mínimo de la envolvente	-3.822	-3.965	-0.251	-0.050	-1.411	-1.557
		Valor máximo de la envolvente	5.142	3.964	0.178	0.038	1.394	1.535
N593	Desplazamientos	Valor mínimo de la envolvente	-4.142	-3.887	-0.241	-0.403	-1.540	-0.945
		Valor máximo de la envolvente	5.450	3.885	0.201	0.357	1.522	0.941
N594	Desplazamientos	Valor mínimo de la envolvente	-4.453	-4.024	-0.286	-0.294	-1.632	-0.311
		Valor máximo de la envolvente	5.693	4.028	0.261	0.323	1.605	0.272
N595	Desplazamientos	Valor mínimo de la envolvente	-6.041	-3.902	-0.279	-0.007	-1.547	-1.406
		Valor máximo de la envolvente	7.241	3.904	0.236	0.013	1.545	1.394
N596	Desplazamientos	Valor mínimo de la envolvente	-4.495	-4.116	-0.300	-0.044	-1.591	-1.293
		Valor máximo de la envolvente	5.701	4.118	0.258	0.036	1.576	1.302
N597	Desplazamientos	Valor mínimo de la envolvente	-6.130	-4.050	-0.251	-0.078	-1.542	-0.198
		Valor máximo de la envolvente	7.330	4.059	0.231	0.049	1.531	0.201
N598	Desplazamientos	Valor mínimo de la envolvente	-4.523	-3.944	-0.278	-0.362	-1.639	-0.204
		Valor máximo de la envolvente	5.753	3.948	0.257	0.333	1.615	0.235
N599	Desplazamientos	Valor mínimo de la envolvente	-6.075	-3.906	-0.276	-0.015	-1.549	-1.462
		Valor máximo de la envolvente	7.271	3.912	0.232	0.007	1.542	1.465
N600	Desplazamientos	Valor mínimo de la envolvente	-6.050	-4.078	-0.261	-0.012	-1.522	-0.221
		Valor máximo de la envolvente	7.270	4.080	0.235	0.038	1.537	0.202
N601	Desplazamientos	Valor mínimo de la envolvente	-4.267	-3.874	-0.251	-0.318	-1.539	-0.905
		Valor máximo de la envolvente	5.523	3.887	0.209	0.366	1.496	0.924
N602	Desplazamientos	Valor mínimo de la envolvente	-5.167	-3.962	-0.228	-0.030	-1.330	-1.724
		Valor máximo de la envolvente	6.445	3.969	0.152	0.044	1.319	1.787
N603	Desplazamientos	Valor mínimo de la envolvente	-3.527	-3.953	-0.241	-0.054	-1.289	-1.408
		Valor máximo de la envolvente	4.896	3.954	0.161	0.044	1.272	1.481
N604	Desplazamientos	Valor mínimo de la envolvente	-4.836	-4.053	-0.187	-0.083	-1.231	-1.201
		Valor máximo de la envolvente	6.262	4.079	0.139	0.058	1.229	1.254
N605	Desplazamientos	Valor mínimo de la envolvente	-3.555	-3.942	-0.208	-0.355	-1.304	-0.880
		Valor máximo de la envolvente	5.004	3.934	0.159	0.294	1.297	0.946
N606	Desplazamientos	Valor mínimo de la envolvente	-4.806	-3.988	-0.221	-0.048	-1.253	-1.770
		Valor máximo de la envolvente	6.161	4.005	0.140	0.031	1.244	1.843
N607	Desplazamientos	Valor mínimo de la envolvente	-5.777	-3.915	-0.228	-0.034	-1.423	-1.227
		Valor máximo de la envolvente	6.996	3.920	0.184	0.074	1.423	1.272
N608	Desplazamientos	Valor mínimo de la envolvente	-4.461	-3.886	-0.305	-0.046	-1.593	-1.279
		Valor máximo de la envolvente	5.671	3.889	0.261	0.051	1.576	1.264

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N609	Desplazamientos	Valor mínimo de la envolvente	-3.808	-3.951	-0.251	-0.038	-1.372	-1.378
		Valor máximo de la envolvente	5.105	3.958	0.173	0.050	1.345	1.432
N610	Desplazamientos	Valor mínimo de la envolvente	-7.223	-4.504	-0.291	-0.078	-1.531	-1.772
		Valor máximo de la envolvente	5.832	4.486	0.244	0.090	1.521	1.835
N611	Desplazamientos	Valor mínimo de la envolvente	-6.730	-4.366	-0.274	-0.068	-1.474	-2.411
		Valor máximo de la envolvente	5.421	4.358	0.202	0.083	1.497	2.494
N612	Desplazamientos	Valor mínimo de la envolvente	-6.797	-4.497	-0.261	-0.085	-1.435	-2.402
		Valor máximo de la envolvente	5.584	4.495	0.192	0.068	1.473	2.493
N613	Desplazamientos	Valor mínimo de la envolvente	-7.223	-4.264	-0.244	-0.109	-1.482	-1.564
		Valor máximo de la envolvente	6.108	4.270	0.213	0.066	1.531	1.646
N614	Desplazamientos	Valor mínimo de la envolvente	-5.655	-4.283	-0.283	-0.279	-1.608	-1.290
		Valor máximo de la envolvente	4.232	4.298	0.240	0.330	1.642	1.358
N615	Desplazamientos	Valor mínimo de la envolvente	-5.239	-4.315	-0.270	-0.065	-1.489	-1.932
		Valor máximo de la envolvente	3.898	4.321	0.196	0.072	1.527	2.012
N616	Desplazamientos	Valor mínimo de la envolvente	-5.334	-4.459	-0.255	-0.075	-1.465	-1.933
		Valor máximo de la envolvente	4.081	4.457	0.188	0.061	1.510	2.010
N617	Desplazamientos	Valor mínimo de la envolvente	-5.717	-4.233	-0.239	-0.424	-1.555	-1.169
		Valor máximo de la envolvente	4.535	4.231	0.207	0.377	1.614	1.218
N618	Desplazamientos	Valor mínimo de la envolvente	-6.308	-4.228	-0.277	-0.313	-1.711	-0.289
		Valor máximo de la envolvente	5.201	4.231	0.261	0.342	1.787	0.300
N619	Desplazamientos	Valor mínimo de la envolvente	-8.235	-4.276	-0.305	-0.038	-1.746	-1.685
		Valor máximo de la envolvente	7.178	4.276	0.271	0.044	1.790	1.665
N620	Desplazamientos	Valor mínimo de la envolvente	-6.573	-4.240	-0.299	-0.013	-1.739	-1.514
		Valor máximo de la envolvente	5.446	4.242	0.263	0.006	1.792	1.493
N621	Desplazamientos	Valor mínimo de la envolvente	-8.223	-4.254	-0.287	-0.080	-1.668	-0.244
		Valor máximo de la envolvente	7.130	4.261	0.274	0.052	1.710	0.241
N622	Desplazamientos	Valor mínimo de la envolvente	-7.972	-4.263	-0.283	-0.017	-1.652	-0.395
		Valor máximo de la envolvente	6.934	4.263	0.266	0.044	1.686	0.381
N623	Desplazamientos	Valor mínimo de la envolvente	-6.495	-4.287	-0.300	-0.015	-1.762	-1.505
		Valor máximo de la envolvente	5.386	4.290	0.264	0.021	1.822	1.493
N624	Desplazamientos	Valor mínimo de la envolvente	-8.287	-4.249	-0.306	-0.045	-1.701	-1.747
		Valor máximo de la envolvente	7.207	4.253	0.269	0.038	1.746	1.728
N625	Desplazamientos	Valor mínimo de la envolvente	-6.525	-4.220	-0.284	-0.385	-1.759	-0.250
		Valor máximo de la envolvente	5.372	4.224	0.269	0.357	1.814	0.223
N626	Desplazamientos	Valor mínimo de la envolvente	-5.886	-4.220	-0.249	-0.333	-1.553	-1.209
		Valor máximo de la envolvente	4.693	4.232	0.211	0.381	1.622	1.168
N627	Desplazamientos	Valor mínimo de la envolvente	-6.753	-4.450	-0.255	-0.056	-1.391	-2.287
		Valor máximo de la envolvente	5.538	4.456	0.184	0.070	1.426	2.207
N628	Desplazamientos	Valor mínimo de la envolvente	-5.070	-4.293	-0.250	-0.070	-1.340	-1.950
		Valor máximo de la envolvente	3.735	4.292	0.174	0.061	1.377	1.879
N629	Desplazamientos	Valor mínimo de la envolvente	-6.628	-4.376	-0.239	-0.101	-1.359	-1.738
		Valor máximo de la envolvente	5.263	4.401	0.193	0.077	1.379	1.698
N630	Desplazamientos	Valor mínimo de la envolvente	-7.389	-4.259	-0.255	-0.052	-1.487	-1.622
		Valor máximo de la envolvente	6.258	4.263	0.217	0.093	1.513	1.552
N631	Desplazamientos	Valor mínimo de la envolvente	-5.353	-4.379	-0.252	-0.058	-1.404	-1.837
		Valor máximo de la envolvente	4.097	4.385	0.178	0.070	1.452	1.768
N632	Desplazamientos	Valor mínimo de la envolvente	-6.393	-4.342	-0.256	-0.072	-1.320	-2.429
		Valor máximo de la envolvente	5.092	4.357	0.178	0.056	1.349	2.356
N633	Desplazamientos	Valor mínimo de la envolvente	-5.230	-4.420	-0.235	-0.368	-1.419	-1.343

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	3.825	4.412	0.189	0.307	1.444	1.291
N634	Desplazamientos	Valor mínimo de la envolvente	-7.373	-274.632	-20.515	-0.285	-1.875	-1.498
		Valor máximo de la envolvente	7.561	275.537	0.542	0.333	1.847	1.432
N635	Desplazamientos	Valor mínimo de la envolvente	-6.801	-274.002	-20.587	-0.946	-1.910	-2.778
		Valor máximo de la envolvente	6.938	274.910	0.524	1.005	1.890	2.765
N636	Desplazamientos	Valor mínimo de la envolvente	-6.564	-270.495	-20.651	-0.757	-1.807	-2.765
		Valor máximo de la envolvente	6.737	271.410	0.518	0.785	1.773	2.842
N637	Desplazamientos	Valor mínimo de la envolvente	-6.584	-276.462	-20.686	-0.848	-1.673	-1.618
		Valor máximo de la envolvente	6.872	277.384	0.526	0.841	1.619	1.739
N638	Desplazamientos	Valor mínimo de la envolvente	-11.087	-272.492	-20.507	-0.929	-1.909	-2.231
		Valor máximo de la envolvente	11.312	273.492	0.541	1.021	1.872	2.172
N639	Desplazamientos	Valor mínimo de la envolvente	-10.641	-271.492	-20.589	-0.822	-1.905	-3.994
		Valor máximo de la envolvente	10.838	272.483	0.521	0.873	1.857	4.008
N640	Desplazamientos	Valor mínimo de la envolvente	-10.360	-268.874	-20.640	-0.795	-1.922	-3.852
		Valor máximo de la envolvente	10.625	269.855	0.516	0.822	1.860	3.959
N641	Desplazamientos	Valor mínimo de la envolvente	-9.875	-268.949	-20.672	-0.826	-1.719	-2.595
		Valor máximo de la envolvente	10.289	269.921	0.519	0.818	1.639	2.742
N642	Desplazamientos	Valor mínimo de la envolvente	-10.364	-271.694	-20.697	-0.351	-1.789	-0.941
		Valor máximo de la envolvente	10.870	272.653	0.504	0.403	1.696	0.857
N643	Desplazamientos	Valor mínimo de la envolvente	-7.362	-273.425	-20.761	-0.376	-2.086	-1.258
		Valor máximo de la envolvente	7.615	274.360	0.504	0.392	2.024	1.185
N644	Desplazamientos	Valor mínimo de la envolvente	-11.904	-272.339	-20.758	-0.396	-2.213	-1.200
		Valor máximo de la envolvente	12.258	273.276	0.503	0.389	2.127	1.195
N645	Desplazamientos	Valor mínimo de la envolvente	-7.605	-273.350	-20.769	-0.534	-1.962	-0.239
		Valor máximo de la envolvente	7.869	274.300	0.527	0.478	1.909	0.308
N646	Desplazamientos	Valor mínimo de la envolvente	-7.032	-273.390	-20.721	-0.463	-1.841	-0.378
		Valor máximo de la envolvente	7.383	274.320	0.509	0.519	1.768	0.290
N647	Desplazamientos	Valor mínimo de la envolvente	-7.615	-273.584	-20.781	-0.331	-2.084	-1.222
		Valor máximo de la envolvente	7.831	274.527	0.508	0.325	2.029	1.231
N648	Desplazamientos	Valor mínimo de la envolvente	-11.334	-271.691	-20.754	-0.384	-1.998	-0.965
		Valor máximo de la envolvente	11.722	272.619	0.520	0.339	1.918	1.023
N649	Desplazamientos	Valor mínimo de la envolvente	-9.587	-269.034	-20.688	-0.795	-1.488	-2.618
		Valor máximo de la envolvente	9.995	269.948	0.531	0.804	1.414	2.533
N650	Desplazamientos	Valor mínimo de la envolvente	-6.201	-270.503	-20.684	-0.744	-1.381	-2.533
		Valor máximo de la envolvente	6.392	271.466	0.537	0.722	1.333	2.459
N651	Desplazamientos	Valor mínimo de la envolvente	-8.688	-271.816	-20.629	-0.841	-1.461	-3.351
		Valor máximo de la envolvente	8.961	272.710	0.546	0.794	1.385	3.359
N652	Desplazamientos	Valor mínimo de la envolvente	-6.222	-274.790	-20.582	-0.292	-1.570	-1.323
		Valor máximo de la envolvente	6.427	275.764	0.577	0.237	1.519	1.399
N653	Desplazamientos	Valor mínimo de la envolvente	-6.748	-276.492	-20.704	-0.900	-1.498	-1.717
		Valor máximo de la envolvente	7.041	277.449	0.534	0.905	1.443	1.625
N654	Desplazamientos	Valor mínimo de la envolvente	-5.954	-274.337	-20.643	-1.045	-1.428	-2.303
		Valor máximo de la envolvente	6.109	275.306	0.548	0.988	1.381	2.313
N655	Desplazamientos	Valor mínimo de la envolvente	-9.236	-272.819	-20.569	-1.116	-1.577	-1.935
		Valor máximo de la envolvente	9.558	273.705	0.571	1.025	1.500	2.006
N656	Desplazamientos	Valor mínimo de la envolvente	-11.351	-271.966	-20.741	-0.352	-2.054	-1.265
		Valor máximo de la envolvente	11.757	272.914	0.495	0.370	1.963	1.183
N657	Desplazamientos	Valor mínimo de la envolvente	-8.808	-268.989	-20.672	-0.819	-1.390	-3.684
		Valor máximo de la envolvente	9.120	269.893	0.531	0.793	1.314	3.610

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N658	Desplazamientos	Valor mínimo de la envolvente	-6.865	-13.421	-2.811	-3.091	-1.772	-4.809
		Valor máximo de la envolvente	5.594	13.416	3.181	3.078	1.746	4.795
N659	Desplazamientos	Valor mínimo de la envolvente	-6.647	-13.387	-2.725	-3.082	-1.715	-4.778
		Valor máximo de la envolvente	5.414	13.459	3.077	3.082	1.699	4.823
N660	Desplazamientos	Valor mínimo de la envolvente	-7.437	-28.226	-6.400	-4.466	-1.573	-7.413
		Valor máximo de la envolvente	6.164	28.448	6.284	4.488	2.002	7.514
N661	Desplazamientos	Valor mínimo de la envolvente	-6.364	-13.348	-2.451	-3.096	-1.710	-4.757
		Valor máximo de la envolvente	4.786	13.338	2.965	3.052	1.615	4.697
N662	Desplazamientos	Valor mínimo de la envolvente	-7.119	-28.349	-5.911	-4.522	-1.547	-7.551
		Valor máximo de la envolvente	5.479	28.056	6.075	4.400	1.932	7.317
N663	Desplazamientos	Valor mínimo de la envolvente	-4.806	-12.938	-2.435	-2.947	-1.552	-4.682
		Valor máximo de la envolvente	6.161	12.943	2.847	2.932	1.606	4.691
N664	Desplazamientos	Valor mínimo de la envolvente	-5.455	-27.573	-5.817	-4.368	-1.924	-7.284
		Valor máximo de la envolvente	6.865	27.533	5.838	4.324	1.534	7.332
N665	Desplazamientos	Valor mínimo de la envolvente	-4.692	-12.905	-2.390	-2.940	-1.539	-4.710
		Valor máximo de la envolvente	6.086	12.986	2.823	2.939	1.608	4.659
N666	Desplazamientos	Valor mínimo de la envolvente	-5.475	-27.428	-5.880	-4.331	-1.941	-7.365
		Valor máximo de la envolvente	6.930	27.680	5.957	4.355	1.570	7.249
N667	Desplazamientos	Valor mínimo de la envolvente	-4.499	-12.825	-2.283	-2.964	-1.428	-4.533
		Valor máximo de la envolvente	6.059	12.792	2.787	2.915	1.517	4.614
N668	Desplazamientos	Valor mínimo de la envolvente	-5.104	-27.400	-5.359	-4.455	-1.686	-7.009
		Valor máximo de la envolvente	6.720	27.006	5.499	4.297	1.290	7.310
N669	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N670	Desplazamientos	Valor mínimo de la envolvente	-4.247	-8.363	-1.515	-2.925	-1.534	-3.852
		Valor máximo de la envolvente	2.824	8.424	1.978	2.941	1.395	3.931
N671	Desplazamientos	Valor mínimo de la envolvente	-2.863	-4.620	-0.993	-2.756	-1.694	-3.278
		Valor máximo de la envolvente	1.681	4.660	1.362	2.761	1.276	3.357
N672	Desplazamientos	Valor mínimo de la envolvente	-1.284	-1.458	-0.447	-2.010	-1.887	-1.905
		Valor máximo de la envolvente	0.659	1.473	0.635	2.005	1.104	1.952
N673	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N674	Desplazamientos	Valor mínimo de la envolvente	-2.654	-8.019	-1.417	-2.790	-1.265	-3.796
		Valor máximo de la envolvente	4.117	8.081	1.901	2.806	1.423	3.716
N675	Desplazamientos	Valor mínimo de la envolvente	-1.606	-4.427	-0.934	-2.631	-1.187	-3.233
		Valor máximo de la envolvente	2.814	4.468	1.317	2.636	1.624	3.153
N676	Desplazamientos	Valor mínimo de la envolvente	-0.640	-1.396	-0.424	-1.917	-1.057	-1.878
		Valor máximo de la envolvente	1.275	1.411	0.618	1.912	1.857	1.831
N677	Desplazamientos	Valor mínimo de la envolvente	-3.390	-4.677	-1.320	-2.784	-2.018	-3.339
		Valor máximo de la envolvente	2.347	4.670	1.623	2.781	1.675	3.323
N678	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N679	Desplazamientos	Valor mínimo de la envolvente	-1.516	-1.480	-0.600	-2.030	-2.234	-1.939
		Valor máximo de la envolvente	0.956	1.476	0.757	2.031	1.544	1.929
N680	Desplazamientos	Valor mínimo de la envolvente	-5.035	-8.452	-1.989	-2.952	-1.824	-3.930
		Valor máximo de la envolvente	3.809	8.443	2.360	2.945	1.745	3.916
N681	Desplazamientos	Valor mínimo de la envolvente	-3.282	-4.661	-1.276	-2.788	-1.953	-3.312
		Valor máximo de la envolvente	2.257	4.691	1.571	2.780	1.621	3.349
N682	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N683	Desplazamientos	Valor mínimo de la envolvente	-1.468	-1.474	-0.580	-2.036	-2.163	-1.922
		Valor máximo de la envolvente	0.916	1.484	0.733	2.027	1.485	1.945
N684	Desplazamientos	Valor mínimo de la envolvente	-4.875	-8.426	-1.925	-2.951	-1.766	-3.902
		Valor máximo de la envolvente	3.677	8.477	2.283	2.946	1.698	3.942
N685	Desplazamientos	Valor mínimo de la envolvente	-3.034	-4.654	-1.085	-2.773	-1.867	-3.346
		Valor máximo de la envolvente	1.827	4.636	1.467	2.757	1.433	3.287
N686	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N687	Desplazamientos	Valor mínimo de la envolvente	-1.338	-1.471	-0.483	-2.012	-1.988	-1.947
		Valor máximo de la envolvente	0.702	1.463	0.677	2.010	1.189	1.912
N688	Desplazamientos	Valor mínimo de la envolvente	-4.589	-8.413	-1.683	-2.954	-1.764	-3.914
		Valor máximo de la envolvente	3.128	8.391	2.165	2.926	1.609	3.858
N689	Desplazamientos	Valor mínimo de la envolvente	-1.942	-4.507	-1.124	-2.662	-1.438	-3.235
		Valor máximo de la envolvente	3.020	4.504	1.447	2.657	1.807	3.247
N690	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N691	Desplazamientos	Valor mínimo de la envolvente	-0.773	-1.426	-0.508	-1.943	-1.276	-1.876
		Valor máximo de la envolvente	1.348	1.424	0.674	1.943	1.989	1.883
N692	Desplazamientos	Valor mínimo de la envolvente	-3.220	-8.146	-1.707	-2.817	-1.548	-3.816
		Valor máximo de la envolvente	4.503	8.143	2.108	2.808	1.654	3.826
N693	Desplazamientos	Valor mínimo de la envolvente	-1.885	-4.491	-1.100	-2.666	-1.425	-3.261
		Valor máximo de la envolvente	2.976	4.524	1.432	2.657	1.805	3.219
N694	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N695	Desplazamientos	Valor mínimo de la envolvente	-0.745	-1.420	-0.496	-1.950	-1.255	-1.892
		Valor máximo de la envolvente	1.324	1.431	0.666	1.940	1.977	1.867
N696	Desplazamientos	Valor mínimo de la envolvente	-3.136	-8.120	-1.672	-2.817	-1.521	-3.842
		Valor máximo de la envolvente	4.443	8.176	2.087	2.811	1.641	3.797
N697	Desplazamientos	Valor mínimo de la envolvente	-1.850	-4.466	-1.063	-2.649	-1.350	-3.149
		Valor máximo de la envolvente	3.050	4.436	1.440	2.632	1.778	3.228
N698	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N699	Desplazamientos	Valor mínimo de la envolvente	-0.744	-1.411	-0.483	-1.918	-1.218	-1.829
		Valor máximo de la envolvente	1.376	1.398	0.674	1.918	2.012	1.876
N700	Desplazamientos	Valor mínimo de la envolvente	-3.038	-8.077	-1.607	-2.822	-1.428	-3.710
		Valor máximo de la envolvente	4.486	8.037	2.082	2.792	1.577	3.785

1.1.1.2. Reacciones

Referencias:

Rx, Ry, Rz: Reacciones en nudos con desplazamientos coaccionados (fuerzas).
Mx, My, Mz: Reacciones en nudos con giros coaccionados (momentos).

1.1.1.2.1. Hipótesis

Reacciones en los nudos, por hipótesis							
Referencia	Descripción	Reacciones en ejes globales					
		Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
N1	Peso propio	17.587	0.239	12.507	-0.17	10.03	-0.12
	CM 1	14.882	-0.009	9.289	-0.02	8.7	0.05
	Q 1	41.337	-0.026	25.802	-0.06	24.16	0.13
	V 1	30.961	-0.079	5.072	-0.05	17.41	0.17
	V 2	-30.961	0.079	-5.072	0.05	-17.41	-0.17
	Sismo X: Modo 1	-0.043	0.008	-0.07	0.01	-0.03	-0.01
	Sismo X: Modo 2	0.045	0.007	0.14	0.05	0.03	-0.02
	Sismo X: Modo 3	-0.003	-0.001	-0.007	-0.01	0	0
	Sismo X: Modo 4	-0.45	0.018	-1.351	0.08	-0.31	-0.05
	Sismo X: Modo 5	-55.161	0.893	-156.844	0.38	-37.55	-0.85
	Sismo Y: Modo 1	-34.684	6.63	-56.67	12.17	-21.89	-11.7
	Sismo Y: Modo 2	0.232	0.034	0.721	0.23	0.16	-0.11
	Sismo Y: Modo 3	-2.095	-0.408	-4.36	-5.55	-1.4	2.23
	Sismo Y: Modo 4	-0.862	0.035	-2.587	0.15	-0.59	-0.09
	Sismo Y: Modo 5	-0.515	0.008	-1.464	0	-0.35	-0.01
N8	Peso propio	-17.973	0.242	13.88	-0.17	-10.31	0.12
	CM 1	-14.885	-0.013	9.245	-0.02	-8.7	-0.05
	Q 1	-41.348	-0.036	25.681	-0.05	-24.17	-0.13
	V 1	-30.932	-0.131	4.876	0.02	-17.39	-0.21
	V 2	30.932	0.131	-4.876	-0.02	17.39	0.21
	Sismo X: Modo 1	0.041	0.008	-0.064	0.01	0.03	0.01
	Sismo X: Modo 2	0.037	-0.009	-0.121	-0.05	0.03	-0.03
	Sismo X: Modo 3	0.001	-0.001	0	-0.01	0	0

	Sismo X: Modo 4	-0.475	-0.021	1.228	-0.07	-0.32	-0.05
	Sismo X: Modo 5	-47.886	-0.134	123.798	-1.27	-32.27	-0.49
	Sismo Y: Modo 1	33.086	6.309	-51.73	11.93	20.77	11.33
	Sismo Y: Modo 2	0.19	-0.045	-0.624	-0.24	0.14	-0.13
	Sismo Y: Modo 3	0.329	-0.572	-0.024	-4.59	0.22	-2.14
	Sismo Y: Modo 4	-0.909	-0.039	2.351	-0.13	-0.61	-0.09
	Sismo Y: Modo 5	-0.447	-0.001	1.155	-0.01	-0.3	0
N135	Peso propio	16.085	-0.054	14.217	0.04	9.22	0.03
	CM 1	13.42	0.01	5.654	0	7.66	-0.02
	Q 1	37.277	0.027	15.704	0	21.27	-0.05
	V 1	25.94	0.037	-7.192	-0.01	13.87	-0.05
	V 2	-25.94	-0.037	7.192	0.01	-13.87	0.05
	Sismo X: Modo 1	0.002	0.007	0.004	0.02	0	-0.01
	Sismo X: Modo 2	-0.008	0.002	-0.008	0.05	0	-0.02
	Sismo X: Modo 3	-0.001	0.001	-0.005	-0.01	0	0
	Sismo X: Modo 4	0.051	-0.001	0.136	0.1	0.03	-0.04
	Sismo X: Modo 5	7.78	0.122	19.872	0.94	5.26	-0.48
	Sismo Y: Modo 1	1.427	5.515	3.234	13.56	0.86	-11.26
	Sismo Y: Modo 2	-0.039	0.009	-0.043	0.26	-0.02	-0.1
	Sismo Y: Modo 3	-0.61	0.334	-3.199	-6.22	-0.47	1.91
	Sismo Y: Modo 4	0.098	-0.002	0.26	0.18	0.07	-0.07
	Sismo Y: Modo 5	0.073	0.001	0.185	0.01	0.05	0
N140	Peso propio	-16.652	-0.052	16.356	0.04	-9.63	-0.03
	CM 1	-13.378	0.016	5.453	0	-7.63	0.02
	Q 1	-37.161	0.044	15.146	0	-21.18	0.06
	V 1	-25.837	0.004	-7.636	0.04	-13.79	0.03
	V 2	25.837	-0.004	7.636	-0.04	13.79	-0.03
	Sismo X: Modo 1	0.002	0.007	-0.012	0.02	0	0.01
	Sismo X: Modo 2	0.011	-0.004	-0.019	-0.05	0.01	-0.02
	Sismo X: Modo 3	0	0	-0.003	-0.01	0	0
	Sismo X: Modo 4	-0.028	-0.008	0.013	-0.08	-0.02	-0.04
	Sismo X: Modo 5	-2.128	0.119	-1.5	-1.53	-1.19	-0.37
	Sismo Y: Modo 1	1.994	5.355	-9.939	13.2	1.61	10.96
	Sismo Y: Modo 2	0.057	-0.019	-0.1	-0.27	0.04	-0.12
	Sismo Y: Modo 3	0.15	0.015	-1.714	-5.14	0.14	-1.88
	Sismo Y: Modo 4	-0.054	-0.016	0.024	-0.15	-0.03	-0.08
	Sismo Y: Modo 5	-0.02	0.001	-0.014	-0.01	-0.01	0
N266	Peso propio	16.085	0.054	14.214	-0.03	9.22	-0.03
	CM 1	13.064	0.036	4.901	-0.03	7.43	-0.03

	Q 1	36.287	0.101	13.612	-0.07	20.62	-0.08
	V 1	24.909	0.092	-9.37	-0.08	13.2	-0.07
	V 2	-24.909	-0.092	9.37	0.08	-13.2	0.07
	Sismo X: Modo 1	-0.002	0.007	-0.004	0.02	0	-0.01
	Sismo X: Modo 2	0.007	0.002	0.009	0.05	0	-0.02
	Sismo X: Modo 3	0.001	0.001	0.005	-0.01	0	0
	Sismo X: Modo 4	-0.067	-0.001	-0.171	0.1	-0.05	-0.04
	Sismo X: Modo 5	6.797	-0.612	15.462	1.53	4.54	0.16
	Sismo Y: Modo 1	-1.545	5.503	-3.191	13.6	-0.92	-11.26
	Sismo Y: Modo 2	0.038	0.009	0.047	0.26	0.02	-0.1
	Sismo Y: Modo 3	0.546	0.342	3.116	-6.24	0.43	1.9
	Sismo Y: Modo 4	-0.128	-0.001	-0.327	0.18	-0.09	-0.07
	Sismo Y: Modo 5	0.063	-0.006	0.144	0.01	0.04	0
N271	Peso propio	-16.651	0.052	16.353	-0.03	-9.63	0.03
	CM 1	-13.492	0.045	6.417	-0.03	-7.73	0.03
	Q 1	-37.477	0.126	17.827	-0.08	-21.48	0.09
	V 1	-26.151	0.066	-4.893	-0.03	-14.09	0.04
	V 2	26.151	-0.066	4.893	0.03	14.09	-0.04
	Sismo X: Modo 1	-0.002	0.007	0.012	0.02	0	0.01
	Sismo X: Modo 2	-0.011	-0.004	0.019	-0.05	-0.01	-0.02
	Sismo X: Modo 3	0	0	0.003	-0.01	0	0
	Sismo X: Modo 4	0.03	-0.008	0.007	-0.08	0.02	-0.04
	Sismo X: Modo 5	-4.856	0.821	3.725	-2.07	-2.95	0.16
	Sismo Y: Modo 1	-1.988	5.335	10.096	13.24	-1.62	10.95
	Sismo Y: Modo 2	-0.056	-0.018	0.096	-0.27	-0.04	-0.12
	Sismo Y: Modo 3	-0.098	0.027	1.699	-5.15	-0.12	-1.88
	Sismo Y: Modo 4	0.058	-0.016	0.014	-0.15	0.03	-0.08
	Sismo Y: Modo 5	-0.045	0.008	0.035	-0.02	-0.03	0
N396	Peso propio	17.585	-0.24	12.498	0.18	10.03	0.12
	CM 1	15.349	0.056	10.391	-0.01	9.01	-0.09
	Q 1	42.638	0.157	28.867	-0.01	25.02	-0.26
	V 1	32.234	0.208	8.151	-0.05	18.25	-0.29
	V 2	-32.234	-0.208	-8.151	0.05	-18.25	0.29
	Sismo X: Modo 1	0.043	0.008	0.07	0.01	0.03	-0.01
	Sismo X: Modo 2	-0.044	0.007	-0.143	0.05	-0.03	-0.02
	Sismo X: Modo 3	0.003	-0.001	0.007	-0.01	0	0
	Sismo X: Modo 4	0.503	0.02	1.619	0.08	0.35	-0.05
	Sismo X: Modo 5	-66.219	-1.254	-204.468	1.94	-45.67	0.45
	Sismo Y: Modo 1	34.896	6.768	56.651	12.11	22.01	-11.78

	Sismo Y: Modo 2	-0.227	0.037	-0.733	0.23	-0.16	-0.12
	Sismo Y: Modo 3	2.241	-0.451	4.81	-5.52	1.49	2.24
	Sismo Y: Modo 4	0.963	0.038	3.1	0.15	0.67	-0.09
	Sismo Y: Modo 5	-0.618	-0.012	-1.908	0.02	-0.43	0
N401	Peso propio	-17.97	-0.242	13.869	0.18	-10.31	-0.12
	CM 1	-14.841	0.017	8.585	0.02	-8.64	0.08
	Q 1	-41.224	0.047	23.846	0.06	-24.01	0.21
	V 1	-30.581	0.051	2.328	0.09	-17.08	0.21
	V 2	30.581	-0.051	-2.328	-0.09	17.08	-0.21
	Sismo X: Modo 1	-0.041	0.008	0.063	0.01	-0.03	0.01
	Sismo X: Modo 2	-0.037	-0.009	0.122	-0.05	-0.03	-0.03
	Sismo X: Modo 3	0	-0.001	0	-0.01	0	0
	Sismo X: Modo 4	0.545	-0.021	-1.44	-0.07	0.37	-0.05
	Sismo X: Modo 5	-63.719	0.796	165.933	-2.05	-43	0.14
	Sismo Y: Modo 1	-33.092	6.434	51.495	11.87	-20.77	11.41
	Sismo Y: Modo 2	-0.19	-0.047	0.627	-0.24	-0.14	-0.13
	Sismo Y: Modo 3	-0.273	-0.585	-0.316	-4.58	-0.17	-2.14
	Sismo Y: Modo 4	1.044	-0.04	-2.756	-0.13	0.7	-0.09
	Sismo Y: Modo 5	-0.595	0.007	1.549	-0.02	-0.4	0
N669	Peso propio	28.523	-0.322	36.005	0.3	8.11	-0.43
	CM 1	19.355	0.061	18.61	-0.12	7.21	0.09
	Q 1	53.765	0.17	51.696	-0.34	20.04	0.25
	V 1	52.366	0.286	67.632	-0.48	14.08	0.4
	V 2	-52.366	-0.286	-67.632	0.48	-14.08	-0.4
	Sismo X: Modo 1	-0.021	-0.027	0.029	0.05	-0.02	-0.04
	Sismo X: Modo 2	-0.03	-0.054	-0.156	0.1	0.03	-0.07
	Sismo X: Modo 3	0.001	0.009	0.008	-0.02	0	0.01
	Sismo X: Modo 4	0.183	-0.117	1.273	0.2	-0.28	-0.14
	Sismo X: Modo 5	18.674	-2.666	146.906	3.2	-33.76	-2.97
	Sismo Y: Modo 1	-16.919	-22.243	24	40.52	-18.98	-30.35
	Sismo Y: Modo 2	-0.156	-0.279	-0.803	0.52	0.15	-0.35
	Sismo Y: Modo 3	0.479	6.112	5.018	-11.22	-1.25	7.31
	Sismo Y: Modo 4	0.351	-0.225	2.438	0.38	-0.53	-0.27
	Sismo Y: Modo 5	0.174	-0.025	1.371	0.03	-0.32	-0.03
N673	Peso propio	-28.167	-0.326	34.439	0.3	-8.36	0.43
	CM 1	-19.362	0.066	18.617	-0.12	-7.21	-0.1
	Q 1	-53.784	0.185	51.715	-0.35	-20.04	-0.26
	V 1	-52.384	0.314	67.722	-0.5	-14.06	-0.46
	V 2	52.384	-0.314	-67.722	0.5	14.06	0.46

	Sismo X: Modo 1	0.022	-0.026	0.023	0.05	0.02	0.04
	Sismo X: Modo 2	-0.033	0.059	0.148	-0.11	0.02	-0.08
	Sismo X: Modo 3	0	0.008	0.001	-0.02	0	-0.01
	Sismo X: Modo 4	0.108	0.102	-1.14	-0.18	-0.29	-0.13
	Sismo X: Modo 5	11.635	1.645	-116.697	-2.66	-28.91	-1.77
	Sismo Y: Modo 1	17.988	-21.535	18.479	39.31	17.96	29.41
	Sismo Y: Modo 2	-0.171	0.304	0.761	-0.56	0.12	-0.39
	Sismo Y: Modo 3	-0.153	5.365	0.966	-9.93	0.19	-6.64
	Sismo Y: Modo 4	0.207	0.196	-2.182	-0.35	-0.55	-0.25
	Sismo Y: Modo 5	0.109	0.015	-1.089	-0.02	-0.27	-0.02
N678	Peso propio	25.844	0.089	32.383	-0.08	7.45	0.11
	CM 1	21.051	-0.01	25.38	0.04	6.24	-0.03
	Q 1	58.476	-0.027	70.499	0.1	17.34	-0.09
	V 1	57.344	-0.03	88.861	0.1	10.81	-0.1
	V 2	-57.344	0.03	-88.861	-0.1	-10.81	0.1
	Sismo X: Modo 1	0.002	-0.028	0.002	0.05	0	-0.04
	Sismo X: Modo 2	-0.003	-0.053	0.007	0.1	0	-0.07
	Sismo X: Modo 3	0.002	0.009	0.006	-0.02	0	0.01
	Sismo X: Modo 4	-0.018	-0.096	-0.137	0.18	0.03	-0.11
	Sismo X: Modo 5	-2.286	-1.313	-19.914	2.15	4.72	-1.42
	Sismo Y: Modo 1	1.886	-22.782	1.864	41.17	0.71	-30.7
	Sismo Y: Modo 2	-0.016	-0.274	0.036	0.51	-0.02	-0.33
	Sismo Y: Modo 3	1.039	5.7	3.616	-10.84	-0.44	6.59
	Sismo Y: Modo 4	-0.034	-0.184	-0.262	0.35	0.06	-0.21
	Sismo Y: Modo 5	-0.021	-0.012	-0.186	0.02	0.04	-0.01
N682	Peso propio	25.842	-0.089	32.38	0.09	7.45	-0.11
	CM 1	21.008	-0.043	25.937	0.05	6.04	-0.06
	Q 1	58.355	-0.119	72.05	0.13	16.77	-0.16
	V 1	57.222	-0.092	90.482	0.09	10.21	-0.12
	V 2	-57.222	0.092	-90.482	-0.09	-10.21	0.12
	Sismo X: Modo 1	-0.003	-0.028	-0.003	0.05	0	-0.04
	Sismo X: Modo 2	0.002	-0.053	-0.008	0.1	0	-0.06
	Sismo X: Modo 3	-0.002	0.009	-0.006	-0.02	0	0.01
	Sismo X: Modo 4	0.019	-0.097	0.17	0.18	-0.04	-0.11
	Sismo X: Modo 5	-1.141	-0.354	-15.346	1.13	4.05	-0.28
	Sismo Y: Modo 1	-2.066	-22.796	-2.071	41.2	-0.76	-30.7
	Sismo Y: Modo 2	0.012	-0.274	-0.042	0.51	0.02	-0.33
	Sismo Y: Modo 3	-1.131	5.697	-3.719	-10.84	0.41	6.58
	Sismo Y: Modo 4	0.036	-0.185	0.325	0.35	-0.08	-0.22

	Sismo Y: Modo 5	-0.011	-0.003	-0.143	0.01	0.04	0
N686	Peso propio	28.525	0.322	36.013	-0.29	8.11	0.43
	CM 1	19.34	-0.112	17.705	0.2	7.49	-0.18
	Q 1	53.721	-0.312	49.179	0.57	20.8	-0.49
	V 1	52.272	-0.402	65.045	0.65	14.83	-0.6
	V 2	-52.272	0.402	-65.045	-0.65	-14.83	0.6
	Sismo X: Modo 1	0.021	-0.027	-0.029	0.05	0.02	-0.04
	Sismo X: Modo 2	0.032	-0.054	0.159	0.1	-0.03	-0.07
	Sismo X: Modo 3	-0.001	0.009	-0.008	-0.02	0	0.01
	Sismo X: Modo 4	-0.247	-0.119	-1.521	0.2	0.31	-0.14
	Sismo X: Modo 5	28.939	1.172	191.847	-0.01	-41.12	1.38
	Sismo Y: Modo 1	17.175	-22.273	-23.778	40.6	19.08	-30.37
	Sismo Y: Modo 2	0.166	-0.28	0.817	0.52	-0.15	-0.35
	Sismo Y: Modo 3	-0.46	6.098	-5.242	-11.21	1.34	7.3
	Sismo Y: Modo 4	-0.472	-0.228	-2.913	0.38	0.6	-0.27
	Sismo Y: Modo 5	0.27	0.011	1.79	0	-0.38	0.01
N690	Peso propio	-25.247	0.087	29.906	-0.08	-7.83	-0.11
	CM 1	-21.127	-0.021	25.638	0.05	-6.21	0.05
	Q 1	-58.687	-0.057	71.216	0.14	-17.26	0.14
	V 1	-57.503	-0.036	89.428	0.11	-10.74	0.08
	V 2	57.503	0.036	-89.428	-0.11	10.74	-0.08
	Sismo X: Modo 1	-0.007	-0.027	0.02	0.05	0	0.04
	Sismo X: Modo 2	0.007	0.058	0.005	-0.11	0.01	-0.07
	Sismo X: Modo 3	-0.001	0.008	0.003	-0.01	0	-0.01
	Sismo X: Modo 4	-0.026	0.094	0.011	-0.17	-0.01	-0.12
	Sismo X: Modo 5	-3.376	1.471	4.086	-2.54	-0.97	-1.52
	Sismo Y: Modo 1	-5.412	-22.31	16.627	40.15	1.57	30.04
	Sismo Y: Modo 2	0.034	0.299	0.024	-0.56	0.03	-0.37
	Sismo Y: Modo 3	-0.655	5.111	1.843	-9.7	0.14	-6.15
	Sismo Y: Modo 4	-0.051	0.179	0.021	-0.33	-0.03	-0.22
	Sismo Y: Modo 5	-0.032	0.014	0.038	-0.02	-0.01	-0.01
N694	Peso propio	-25.246	-0.087	29.904	0.08	-7.83	0.11
	CM 1	-20.57	-0.06	24.096	0.06	-6.32	0.08
	Q 1	-57.138	-0.167	66.929	0.18	-17.56	0.22
	V 1	-55.909	-0.113	85.037	0.11	-11.04	0.12
	V 2	55.909	0.113	-85.037	-0.11	11.04	-0.12
	Sismo X: Modo 1	0.007	-0.027	-0.021	0.05	0	0.04
	Sismo X: Modo 2	-0.007	0.058	-0.005	-0.11	-0.01	-0.07
	Sismo X: Modo 3	0.001	0.008	-0.003	-0.01	0	-0.01

	Sismo X: Modo 4	0.041	0.094	-0.043	-0.18	0.01	-0.12
	Sismo X: Modo 5	-4.092	0.489	0.72	-1.56	-2.51	-0.33
	Sismo Y: Modo 1	5.5	-22.314	-16.823	40.17	-1.57	30.02
	Sismo Y: Modo 2	-0.034	0.299	-0.024	-0.56	-0.03	-0.37
	Sismo Y: Modo 3	0.78	5.106	-2.048	-9.7	-0.12	-6.13
	Sismo Y: Modo 4	0.079	0.181	-0.082	-0.34	0.03	-0.22
	Sismo Y: Modo 5	-0.038	0.005	0.007	-0.01	-0.02	0
N698	Peso propio	-28.169	0.326	34.448	-0.29	-8.36	-0.43
	CM 1	-19.813	-0.041	19.777	0.15	-7.15	0.09
	Q 1	-55.036	-0.113	54.941	0.42	-19.87	0.26
	V 1	-53.761	-0.176	71.666	0.48	-13.75	0.32
	V 2	53.761	0.176	-71.666	-0.48	13.75	-0.32
	Sismo X: Modo 1	-0.022	-0.026	-0.022	0.05	-0.02	0.04
	Sismo X: Modo 2	0.033	0.059	-0.148	-0.11	-0.02	-0.08
	Sismo X: Modo 3	0	0.008	-0.001	-0.02	0	-0.01
	Sismo X: Modo 4	-0.14	0.102	1.346	-0.18	0.33	-0.13
	Sismo X: Modo 5	16.46	0.304	-157.581	-1.49	-38.54	-0.21
	Sismo Y: Modo 1	-18.089	-21.556	-18.245	39.39	-17.95	29.41
	Sismo Y: Modo 2	0.17	0.303	-0.759	-0.56	-0.12	-0.39
	Sismo Y: Modo 3	-0.023	5.337	-0.445	-9.91	-0.15	-6.59
	Sismo Y: Modo 4	-0.267	0.196	2.577	-0.35	0.63	-0.25
	Sismo Y: Modo 5	0.154	0.003	-1.471	-0.01	-0.36	0

1. ESTRUCTURA

1.1. Resultados

1.1.1. Barras

1.1.1.1. Comprobaciones E.L.U. (Resumido)

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N13/N5	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.682 m η < 0.1	x: 0.085 m η = 0.1	η = 7.0	x: 0.683 m η = 2.0	x: 0.683 m η = 5.6	η = 1.8	x: 0.682 m η = 0.7	x: 0.085 m η = 3.3	x: 0.683 m η = 8.5	x: 0.085 m η = 0.1	x: 0.683 m η = 0.8	x: 0.683 m η = 13.9	x: 0.683 m η = 11.6	x: 0.682 m η = 8.6	**CUMPLE** **η = 13.9**
N5/N14	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.022 m η = 0.6	x: 0.138 m η = 3.5	x: 1.023 m η = 2.6	x: 0.138 m η = 8.9	x: 0.138 m η = 8.8	x: 1.022 m η = 0.8	x: 1.023 m η = 2.4	x: 0.138 m η = 9.1	x: 0.138 m η = 9.9	x: 0.138 m η = 0.9	x: 0.138 m η = 1.0	x: 0.138 m η = 4.8	x: 0.138 m η = 15.0	x: 0.138 m η = 13.4	**CUMPLE** **η = 15.0**
N14/N6	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.782 m η = 0.7	x: 0.045 m η = 3.8	x: 0.783 m η = 3.9	x: 0.783 m η = 5.0	x: 0.045 m η = 5.2	x: 0.783 m η = 1.0	x: 0.783 m η = 1.0	x: 0.783 m η = 5.0	x: 0.045 m η = 6.8	x: 0.783 m η = 0.3	x: 0.045 m η = 0.5	x: 0.783 m η = 2.7	x: 0.045 m η = 10.3	x: 0.783 m η = 9.4	**CUMPLE** **η = 10.3**
N6/N15	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.932 m η = 1.8	x: 0.058 m η = 11.0	x: 0.933 m η = 2.8	x: 0.058 m η = 4.6	x: 0.058 m η = 18.1	x: 0.933 m η = 2.4	x: 0.058 m η = 1.1	x: 0.058 m η = 4.6	x: 0.058 m η = 19.2	x: 0.058 m η = 0.2	x: 0.058 m η = 3.7	x: 0.058 m η = 26.0	x: 0.058 m η = 27.3	x: 0.058 m η = 27.6	**CUMPLE** **η = 27.6**
N15/N16	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.733 m η = 1.8	x: 0.045 m η = 11.1	η = 1.6	x: 0.734 m η = 7.4	x: 0.045 m η = 6.1	x: 0.562 m η = 2.0	x: 0.734 m η = 2.3	x: 0.734 m η = 7.4	x: 0.045 m η = 6.6	x: 0.734 m η = 0.6	x: 0.045 m η = 0.5	x: 0.045 m η = 9.1	x: 0.734 m η = 18.6	x: 0.734 m η = 20.3	**CUMPLE** **η = 20.3**
N16/N17	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.989 m η = 8.5	x: 0.058 m η = 45.9	η = 6.1	x: 0.058 m η = 25.2	x: 0.058 m η = 19.4	η = 1.9	x: 0.058 m η = 5.4	x: 0.058 m η = 25.3	x: 0.058 m η = 19.6	x: 0.058 m η = 6.7	x: 0.058 m η = 3.9	x: 0.058 m η = 16.1	x: 0.058 m η = 73.6	x: 0.058 m η = 77.4	**CUMPLE** **η = 77.4**
N17/N18	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.979 m η = 8.4	x: 0.045 m η = 45.5	η = 5.8	x: 0.98 m η = 3.0	x: 0.045 m η = 9.8	x: 0.979 m η = 1.3	x: 0.045 m η = 0.9	x: 0.98 m η = 3.6	x: 0.045 m η = 10.6	x: 0.979 m η = 0.1	x: 0.045 m η = 1.1	x: 0.98 m η = 10.3	x: 0.98 m η = 49.6	x: 0.98 m η = 49.3	**CUMPLE** **η = 49.6**
N18/N19	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.992 m η = 3.8	x: 0.057 m η = 23.9	η = 5.4	x: 0.057 m η = 2.4	x: 0.057 m η = 3.8	η = 0.6	x: 0.057 m η = 0.6	x: 0.057 m η = 3.3	x: 0.057 m η = 5.0	x: 0.057 m η = 0.1	x: 0.057 m η = 0.3	x: 0.057 m η = 9.7	x: 0.057 m η = 27.7	x: 0.057 m η = 27.0	**CUMPLE** **η = 27.7**
N19/N20	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.982 m η = 3.8	x: 0.045 m η = 23.6	η = 5.1	x: 0.983 m η = 4.2	x: 0.983 m η = 3.3	η = 0.5	x: 0.045 m η = 1.3	x: 0.983 m η = 4.6	x: 0.983 m η = 4.5	x: 0.983 m η = 0.2	x: 0.983 m η = 0.2	x: 0.983 m η = 7.9	x: 0.983 m η = 28.9	x: 0.983 m η = 28.8	**CUMPLE** **η = 28.9**
N20/N21	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.526 m η = 6.1	x: 0.526 m η = 11.9	η = 4.2	x: 0.995 m η = 1.0	x: 0.995 m η = 3.0	η = 0.3	x: 0.994 m η = 0.2	x: 0.995 m η = 2.6	x: 0.057 m η = 3.5	x: 0.994 m η = 0.1	x: 0.057 m η = 0.1	x: 0.995 m η = 10.3	x: 0.995 m η = 14.7	x: 0.995 m η = 12.9	**CUMPLE** **η = 14.7**
N21/N22	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 6.3	x: 0.045 m η = 12.0	η = 3.8	x: 0.984 m η = 4.6	x: 0.984 m η = 3.0	η = 0.2	x: 0.045 m η = 1.1	x: 0.984 m η = 4.9	x: 0.984 m η = 3.0	x: 0.984 m η = 0.3	x: 0.983 m η = 0.1	x: 0.984 m η = 11.1	x: 0.984 m η = 15.3	x: 0.984 m η = 15.3	**CUMPLE** **η = 15.3**
N22/N23	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.995 m η = 9.5	x: 0.056 m η = 11.6	η = 3.3	x: 0.056 m η = 2.8	x: 0.996 m η = 3.9	η = 0.3	x: 0.995 m η = 0.4	x: 0.056 m η = 2.9	x: 0.761 m η = 4.2	x: 0.056 m η = 0.1	x: 0.761 m η = 0.2	x: 0.291 m η = 13.6	x: 0.056 m η = 14.9	x: 0.056 m η = 13.1	**CUMPLE** **η = 14.9**
N23/N24	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.984 m η = 9.6	x: 0.045 m η = 11.6	η = 2.9	x: 0.985 m η = 4.4	x: 0.985 m η = 4.4	η = 0.4	x: 0.045 m η = 0.9	x: 0.985 m η = 4.5	x: 0.985 m η = 4.6	x: 0.985 m η = 0.2	x: 0.984 m η = 0.2	x: 0.985 m η = 15.3	x: 0.045 m η = 14.1	x: 0.045 m η = 12.6	**CUMPLE** **η = 15.3**
N24/N25	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.995 m η = 12.1	x: 0.057 m η = 13.5	η = 2.9	x: 0.057 m η = 4.0	x: 0.057 m η = 4.8	η = 0.3	x: 0.995 m η = 0.7	x: 0.057 m η = 4.3	x: 0.057 m η = 6.1	x: 0.057 m η = 0.2	x: 0.057 m η = 0.4	x: 0.057 m η = 15.8	x: 0.996 m η = 15.9	x: 0.996 m η = 14.9	**CUMPLE** **η = 15.9**
N25/N26	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.982 m η = 12.2	x: 0.045 m η = 13.5	η = 3.3	x: 0.983 m η = 3.8	x: 0.045 m η = 3.7	η = 0.3	x: 0.045 m η = 0.7	x: 0.983 m η = 4.2	x: 0.045 m η = 4.7	x: 0.983 m η = 0.2	x: 0.045 m η = 0.2	x: 0.983 m η = 15.7	x: 0.045 m η = 15.2	x: 0.983 m η = 14.9	**CUMPLE** **η = 15.7**
N26/N27	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.93 m η = 13.5	x: 0.055 m η = 16.9	η = 3.7	x: 0.055 m η = 4.9	x: 0.055 m η = 3.7	η = 0.2	x: 0.93 m η = 1.3	x: 0.055 m η = 5.4	x: 0.055 m η = 5.0	x: 0.055 m η = 0.3	x: 0.055 m η = 0.2	x: 0.93 m η = 17.4	x: 0.93 m η = 21.2	x: 0.93 m η = 20.7	**CUMPLE** **η = 21.2**
N27/N28	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.886 m η = 13.5	x: 0 m η = 16.9	η = 3.5	x: 0 m η = 2.7	x: 0 m η = 3.3	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 3.0	x: 0 m η = 4.3	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 17.7	x: 0 m η = 20.6	x: 0 m η = 20.3	**CUMPLE** **η = 20.6**
N28/N29	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.953 m η = 13.0	x: 0.054 m η = 19.0	η = 2.9	x: 0.054 m η = 3.0	x: 0.953 m η = 3.3	η = 0.4	x: 0.953 m η = 0.9	x: 0.054 m η = 3.5	x: 0.054 m η = 4.1	x: 0.054 m η = 0.1	x: 0.054 m η = 0.2	x: 0.953 m η = 18.6	x: 0.953 m η = 23.6	x: 0.953 m η = 23.0	**CUMPLE** **η = 23.6**
N29/N30	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.894 m η = 13.0	x: 0 m η = 19.0	η = 2.7	x: 0 m η = 2.5	x: 0.895 m η = 5.9	η = 0.6	x: 0 m η = 0.6	x: 0 m η = 2.6	x: 0.895 m η = 6.4	x: 0 m η = 0.1	x: 0.895 m η = 0.4	x: 0 m η = 19.2	x: 0 m η = 23.5	x: 0.895 m η = 22.9	**CUMPLE** **η = 23.5**
N30/N31	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.951 m η = 11.9	x: 0.052 m η = 19.9	η = 3.2	x: 0.052 m η = 2.5	x: 0.052 m η = 6.6	η = 0.5	x: 0.951 m η = 1.0	x: 0.951 m η = 2.8	x: 0.052 m η = 8.0	x: 0.052 m η = 0.1	x: 0.052 m η = 0.6	x: 0.052 m η = 19.6	x: 0.951 m η = 25.4	x: 0.951 m η = 23.9	**CUMPLE** **η = 25.4**
N31/N32	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.892 m η = 12.1	x: 0.892 m η = 20.1	η = 3.6	x: 0.892 m η = 2.2	x: 0 m η = 4.6	η = 0.4	x: 0 m η = 0.7	x: 0 m η = 3.0	x: 0 m η = 6.0	x: 0 m η = 0.1	x: 0 m η = 0.4	x: 0 m η = 18.4	x: 0 m η = 25.7	x: 0 m η = 23.9	**CUMPLE** **η = 25.7**
N32/N33	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 4.5	x: 0.051 m η = 16.0	η = 4.3	x: 0.051 m η = 2.9	x: 0.051 m η = 3.8	η = 0.3	x: 0.938 m η = 0.9	x: 0.051 m η = 3.9	x: 0.051 m η = 5.5	x: 0.051 m η = 0.2	x: 0.051 m η = 0.3	x: 0.051 m η = 13.1	x: 0.051 m η = 19.2	x: 0.051 m η = 18.9	**CUMPLE** **η = 19.2**
N33/N34	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.9 m η = 4.5	x: 0 m η = 16.0	η = 4.4	x: 0 m η = 1.7	x: 0 m η = 3.2	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 2.9	x: 0 m η = 4.9	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 10.2	x: 0 m η = 18.8	x: 0 m η = 18.5	**CUMPLE** **η = 18.8**
N34/N35	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.948 m η = 5.3	x: 0.051 m η = 17.7	η = 4.8	x: 0.948 m η = 1.9	x: 0.051 m η = 3.3	η = 0.3	x: 0.948 m η = 0.8	x: 0.051 m η = 3.3	x: 0.051 m η = 5.2	x: 0.051 m η = 0.1	x: 0.051 m η = 0.3	x: 0.051 m η = 7.2	x: 0.948 m η = 20.8	x: 0.948 m η = 20.3	**CUMPLE** **η = 20.8**
N35/N36	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.885 m η = 5.4	x: 0 m η = 17.7	η = 4.9	x: 0 m η = 1.7	x: 0 m η = 2.8	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 3.1	x: 0 m η = 4.7	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 6.9	x: 0 m η = 20.8	x: 0 m η = 20.1	**CUMPLE** **η = 20.8**
N36/N37	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.935 m η = 6.0	x: 0.05 m η = 18.7	η = 5.4	x: 0.935 m η = 1.9	x: 0.935 m η = 3.2	η = 0.7	x: 0.935 m η = 0.8	x: 0.05 m η = 3.2	x: 0.935 m η = 5.4	x: 0.05 m η = 0.1	x: 0.935 m η = 0.3	x: 0.05 m η = 7.7	x: 0.05 m η = 21.9	x: 0.935 m η = 21.2	**CUMPLE** **η = 21.9**
N37/N38	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 6.0	x: 0 m η = 18.8	η = 5.3	x: 0 m η = 1.9	x: 0.972 m η = 6.8	x: 0.729 m η = 0.9	x: 0 m η = 0.6	x: 0.972 m η = 3.0	x: 0.972 m η = 9.0	x: 0.971 m η = 0.1	x: 0.972 m η = 0.8	x: 0 m η = 7.5	x: 0 m η = 21.9	x: 0 m η = 21.2	**CUMPLE** **η = 21.9**
N38/N39	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.839 m η = 6.4	x: 0.049 m η = 19.2	η = 4.0	x: 0.839 m η = 1.8	x: 0.839 m η = 13.6	x: 0.049 m η = 2.0	x: 0.839 m η = 0.8	x: 0.049 m η = 2.8	x: 0.839 m η = 14.9	x: 0.049 m η = 0.1	x: 0.839 m η = 2.3	x: 0.839 m η = 8.3	x: 0.839 m η = 23.6	x: 0.839 m η = 23.8	**CUMPLE** **η = 23.8**
N39/N40	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.905 m η = 6.4	x: 0 m η = 19.3	η = 3.7	x: 0 m η = 1.7	x: 0.906 m η = 27.0	η = 2.8	x: 0 m η = 0.7	x: 0.906 m η = 2.8	x: 0.906 m η = 27.7	x: 0.905 m η = 0.1	x: 0.906 m η = 7.7	x: 0.906 m η = 8.8	x: 0.906 m η = 34.8	x: 0.906 m η = 39.5	**CUMPLE** **η = 39.5**
N40/N41	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.945 m η = 6.6	x: 0.058 m η = 19.6	η = 3.1	x: 0.945 m η = 2.0	x: 0.058 m η = 23.4	η = 2.3	x: 0.945 m η = 0.8	x: 0.945 m η = 2.4	x: 0.058 m η = 24.7	x: 0.945 m η = 0.1	x: 0.058 m η = 6.1	x: 0.058 m η = 9.0	x: 0.058 m η = 31.6	x: 0.058 m η = 34.3	**CUMPLE** **η = 34.3**
N41/N42	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.09 m η = 6.6	x: 0 m η = 19.8	η = 4.8	x: 0 m η = 1.9	x: 0 m η = 12.8	x: 1.09 m η = 1.6	x: 0 m η = 0.6	x: 0 m η = 2.8	x: 0 m η = 14.9	x: 0 m η = 0.1	x: 0 m η = 2.2	x: 0 m η = 8.7	x: 0 m η = 24.1	x: 0 m η = 22.8	**CUMPLE** **η = 24.1**
N43/N42	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.127 m η = 6.5	x: 0 m η = 20.0	x: 0.376 m η = 6.7	x: 0 m η = 1.9	x: 1.128 m η = 5.8	x: 0.376 m η = 0.7	x: 0 m η = 0.6	x: 0 m η = 3.5	x: 1.128 m η = 8.6	x: 0 m η = 0.1	x: 1.128 m η = 0.8	x: 0 m η = 8.2	x: 0 m η = 23.4	x: 0 m η = 22.5	**CUMPLE** **η = 23.4**
N44/N43	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.929 m η = 6.5	x: 0.05 m η = 19.8	x: 0.489 m η = 6.7	x: 0.929 m η = 1.9	x: 0.929 m η = 3.0	x: 0.489 m η = 0.5	x: 0.929 m η = 0.7	x: 0.05 m η = 3.5	x: 0.929 m η = 4.7	x: 0.05 m η = 0.1	x: 0.929 m η = 0.2	x: 0.929 m η = 8.2	x: 0.929 m η = 23.1	x: 0.929 m η = 22.2	**CUMPLE** **η = 23.1**
N45/N44	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.878 m η = 6.3	x: 0 m η = 19.6	η = 5.4	x: 0 m η = 1.5	x: 0.879 m η = 2.8	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 3.0	x: 0.879 m η = 3.9	x: 0 m η = 0.1	x: 0.878 m η = 0.2	x: 0 m η = 7.8	x: 0 m η = 22.5	x: 0 m η = 21.7	**CUMPLE** **η = 22.5**
N46/N45	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.874 m η = 6.2	x: 0.049 m η = 19.6	η = 4.9	x: 0.874 m η = 1.6	x: 0.874 m η = 2.5	η = 0.2	x: 0.874 m η = 0.6	x: 0.049 m η = 2.8	x: 0.874 m η = 3.2	x: 0.049 m η = 0.1	x: 0.874 m η = 0.1	x: 0.874 m η = 7.7	x: 0.874 m η = 22.3	x: 0.874 m η = 21.6	**CUMPLE** **η = 22.3**
N47/N46	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.961 m η = 5.8	x: 0 m η = 19.1	η = 3.0	x: 0 m η = 1.6	x: 0.962 m η = 2.5	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 2.2	x: 0.962 m η = 3.0	x: 0 m η = 0.1	x: 0.961 m η = 0.1	x: 0 m η = 7.1	x: 0 m η = 21.6	x: 0 m η = 21.3	**CUMPLE** **η = 21.6**
N48/N47	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.945 m η = 5.8	x: 0.05 m η = 19.0	η = 2.5	x: 0.945 m η = 1.7	x: 0.05 m η = 2.4	η = 0.2	x: 0.945 m η = 0.7	x: 0.945 m η = 2.0	x: 0.05 m η = 3.2	x: 0.945 m η < 0.1	x: 0.05 m η = 0.1	x: 0.05 m η = 7.5	x: 0.945 m η = 21.5	x: 0.945 m η = 21.3	**CUMPLE** **η = 21.5**
N49/N48	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.902 m η = 5.2	x: 0 m η = 18.0	η = 2.1	x: 0 m η = 1.5	x: 0 m η = 2.6	η = 0.2	x: 0 m η = 0.5	x: 0 m η = 2.0	x: 0 m η = 3.2	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0 m η = 8.5	x: 0 m η = 20.4	x: 0 m η = 20.1	**CUMPLE** **η = 20.4**
N50/N49	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 5.2	x: 0.051 m η = 18.0	η = 2.0	x: 0.931 m η = 1.6	x: 0.051 m η = 2.9	η = 0.2	x: 0.931 m η = 0.7	x: 0.931 m η = 1.8	x: 0.051 m η = 3.4	x: 0.931 m η < 0.1	x: 0.051 m η = 0.1	x: 0.051 m η = 8.8	x: 0.931 m η = 20.6	x: 0.931 m η = 20.2	**CUMPLE** **η = 20.6**
N51/N50	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.901 m η = 6.1	x: 0 m η = 16.3	η = 1.7	x: 0 m η = 1.4	x: 0 m η = 3.0	η = 0.1	x: 0 m η = 0.5	x: 0 m η = 1.8	x: 0 m η = 3.3	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0 m η = 9.5	x: 0 m η = 19.4	x: 0 m η = 18.4	**CUMPLE** **η = 19.4**
N52/N51	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 6.1	x: 0.051 m η = 16.3	η = 1.9	x: 0.051 m η = 1.8	x: 0.051 m η = 3.1	η = 0.2	x: 0.936 m η = 0.8	x: 0.051 m η = 2.2	x: 0.051 m η = 3.4	x: 0.051 m η = 0.1	x: 0.051 m η = 0.1	x: 0.051 m η = 9.8	x: 0.936 m η = 19.7	x: 0.051 m η = 18.8	**CUMPLE** **η = 19.7**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N53/N52	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.893 m η = 7.0	x: 0 m η = 14.9	η = 2.6	x: 0 m η = 1.4	x: 0.894 m η = 3.1	η = 0.3	x: 0 m η = 0.6	x: 0 m η = 1.9	x: 0 m η = 3.4	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0 m η = 10.0	x: 0 m η = 18.2	x: 0 m η = 17.5	**CUMPLE** **η = 18.2**
N54/N53	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.949 m η = 7.0	x: 0.052 m η = 14.9	η = 2.7	x: 0.052 m η = 2.2	x: 0.052 m η = 3.4	η = 0.4	x: 0.949 m η = 0.9	x: 0.052 m η = 2.7	x: 0.052 m η = 4.6	x: 0.052 m η = 0.1	x: 0.052 m η = 0.2	x: 0.052 m η = 9.9	x: 0.949 m η = 18.4	x: 0.949 m η = 17.6	**CUMPLE** **η = 18.4**
N55/N54	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.894 m η = 8.1	x: 0 m η = 13.9	x: 0.671 m η = 3.7	x: 0 m η = 1.4	x: 0 m η = 3.8	η = 0.4	x: 0 m η = 0.3	x: 0 m η = 1.9	x: 0 m η = 5.4	x: 0 m η < 0.1	x: 0 m η = 0.3	x: 0 m η = 10.5	x: 0 m η = 16.3	x: 0 m η = 15.7	**CUMPLE** **η = 16.3**
N56/N55	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.953 m η = 8.0	x: 0.054 m η = 13.9	x: 0.279 m η = 4.3	x: 0.054 m η = 2.8	x: 0.054 m η = 4.2	η = 0.3	x: 0.953 m η = 0.8	x: 0.054 m η = 3.4	x: 0.279 m η = 5.9	x: 0.054 m η = 0.1	x: 0.279 m η = 0.3	x: 0.953 m η = 10.5	x: 0.953 m η = 16.7	x: 0.953 m η = 15.8	**CUMPLE** **η = 16.7**
N57/N56	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.902 m η = 8.7	x: 0 m η = 12.0	η = 4.3	x: 0 m η = 1.5	x: 0 m η = 3.6	η = 0.1	x: 0 m η = 0.4	x: 0.903 m η = 2.3	x: 0 m η = 4.3	x: 0.902 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 11.4	x: 0 m η = 14.9	x: 0 m η = 13.9	**CUMPLE** **η = 14.9**
N58/N57	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.914 m η = 8.6	x: 0.055 m η = 11.8	η = 3.8	x: 0.055 m η = 5.0	x: 0.055 m η = 3.6	η = 0.2	x: 0.914 m η = 1.3	x: 0.055 m η = 5.5	x: 0.055 m η = 4.5	x: 0.055 m η = 0.3	x: 0.055 m η = 0.2	x: 0.484 m η = 11.6	x: 0.914 m η = 15.3	x: 0.914 m η = 14.2	**CUMPLE** **η = 15.3**
N59/N58	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 8.1	x: 0.045 m η = 9.4	η = 3.2	x: 0.987 m η = 3.9	x: 0.045 m η = 3.5	η = 0.2	x: 0.045 m η = 0.7	x: 0.987 m η = 4.3	x: 0.045 m η = 4.3	x: 0.987 m η = 0.2	x: 0.045 m η = 0.2	x: 0.987 m η = 11.8	x: 0.987 m η = 10.9	x: 0.987 m η = 10.5	**CUMPLE** **η = 11.8**
N60/N59	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.29 m η = 7.9	x: 0.29 m η = 9.2	x: 0.525 m η = 3.0	x: 0.056 m η = 4.0	x: 0.056 m η = 3.9	η = 0.2	x: 0.993 m η = 0.8	x: 0.056 m η = 4.2	x: 0.056 m η = 4.8	x: 0.056 m η = 0.2	x: 0.056 m η = 0.2	x: 0.056 m η = 11.3	x: 0.056 m η = 11.5	x: 0.056 m η = 10.2	**CUMPLE** **η = 11.5**
N61/N60	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.28 m η = 6.4	x: 0.28 m η = 8.3	x: 0.514 m η = 2.0	x: 0.984 m η = 4.4	x: 0.045 m η = 3.5	η = 0.1	x: 0.045 m η = 0.9	x: 0.984 m η = 4.4	x: 0.045 m η = 3.9	x: 0.984 m η = 0.2	x: 0.045 m η = 0.2	x: 0.984 m η = 10.1	x: 0.984 m η = 10.2	x: 0.984 m η = 8.8	**CUMPLE** **η = 10.2**
N62/N61	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.762 m η = 6.3	x: 0.762 m η = 8.3	η = 2.0	x: 0.056 m η = 2.7	x: 0.997 m η = 3.6	η = 0.1	x: 0.996 m η = 0.4	x: 0.056 m η = 2.7	x: 0.997 m η = 3.9	x: 0.056 m η = 0.1	x: 0.996 m η = 0.2	x: 0.762 m η = 9.3	x: 0.056 m η = 10.0	x: 0.056 m η = 9.0	**CUMPLE** **η = 10.0**
N63/N62	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.986 m η = 4.0	x: 0.045 m η = 9.6	η = 2.2	x: 0.987 m η = 4.5	x: 0.987 m η = 3.1	η = 0.1	x: 0.045 m η = 1.0	x: 0.987 m η = 4.7	x: 0.987 m η = 3.2	x: 0.987 m η = 0.2	x: 0.986 m η = 0.1	x: 0.987 m η = 7.5	x: 0.987 m η = 15.0	x: 0.987 m η = 15.1	**CUMPLE** **η = 15.1**
N64/N63	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.992 m η = 3.9	x: 0.056 m η = 9.7	η = 2.2	x: 0.993 m η = 1.0	x: 0.993 m η = 2.9	η = 0.2	x: 0.056 m η = 0.2	x: 0.993 m η = 1.4	x: 0.993 m η = 3.1	x: 0.992 m η < 0.1	x: 0.992 m η = 0.1	x: 0.993 m η = 6.5	x: 0.993 m η = 11.7	x: 0.993 m η = 11.1	**CUMPLE** **η = 11.7**
N65/N64	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.98 m η = 3.8	x: 0.045 m η = 23.6	η = 2.6	x: 0.981 m η = 3.8	x: 0.981 m η = 1.9	η = 0.3	x: 0.045 m η = 1.1	x: 0.981 m η = 4.2	x: 0.045 m η = 2.5	x: 0.981 m η = 0.2	x: 0.045 m η = 0.1	x: 0.981 m η = 5.3	x: 0.981 m η = 28.4	x: 0.981 m η = 28.3	**CUMPLE** **η = 28.4**
N66/N65	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.994 m η = 3.8	x: 0.057 m η = 23.8	η = 2.7	x: 0.057 m η = 3.0	x: 0.057 m η = 3.5	η = 0.5	x: 0.057 m η = 0.8	x: 0.057 m η = 3.4	x: 0.057 m η = 4.2	x: 0.057 m η = 0.1	x: 0.057 m η = 0.2	x: 0.057 m η = 7.4	x: 0.057 m η = 28.2	x: 0.057 m η = 27.6	**CUMPLE** **η = 28.2**
N67/N66	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.978 m η = 8.4	x: 0.045 m η = 45.4	η = 2.8	x: 0.979 m η = 2.4	x: 0.045 m η = 9.2	η = 1.2	x: 0.045 m η = 0.6	x: 0.979 m η = 2.6	x: 0.045 m η = 9.8	x: 0.979 m η = 0.1	x: 0.045 m η = 1.0	x: 0.979 m η = 10.3	x: 0.979 m η = 48.8	x: 0.979 m η = 48.4	**CUMPLE** **η = 48.8**
N68/N67	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.991 m η = 8.5	x: 0.058 m η = 45.8	η = 2.9	x: 0.058 m η = 25.8	x: 0.058 m η = 18.7	η = 1.9	x: 0.058 m η = 5.7	x: 0.058 m η = 25.8	x: 0.058 m η = 19.3	x: 0.058 m η = 7.0	x: 0.058 m η = 3.7	x: 0.058 m η = 16.3	x: 0.058 m η = 73.9	x: 0.058 m η = 78.0	**CUMPLE** **η = 78.0**
N69/N68	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.736 m η = 1.8	x: 0.045 m η = 11.1	x: 0.736 m η = 1.7	x: 0.737 m η = 7.6	x: 0.045 m η = 5.9	x: 0.736 m η = 1.9	x: 0.737 m η = 2.4	x: 0.737 m η = 7.6	x: 0.045 m η = 6.5	x: 0.737 m η = 0.6	x: 0.045 m η = 0.5	x: 0.045 m η = 9.1	x: 0.737 m η = 18.9	x: 0.737 m η = 20.6	**CUMPLE** **η = 20.6**
N7/N69	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 1.8	x: 0.058 m η = 11.0	x: 0.928 m η = 2.9	x: 0.058 m η = 4.7	x: 0.058 m η = 17.7	x: 0.928 m η = 2.4	x: 0.058 m η = 1.2	x: 0.058 m η = 4.7	x: 0.058 m η = 18.8	x: 0.058 m η = 0.2	x: 0.058 m η = 3.6	x: 0.058 m η = 26.0	x: 0.058 m η = 27.0	x: 0.058 m η = 27.0	**CUMPLE** **η = 27.0**
N70/N7	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.782 m η = 0.7	x: 0.045 m η = 3.8	x: 0.783 m η = 3.8	x: 0.783 m η = 4.6	x: 0.045 m η = 5.0	x: 0.783 m η = 1.0	x: 0.783 m η = 1.1	x: 0.783 m η = 4.6	x: 0.045 m η = 6.6	x: 0.783 m η = 0.2	x: 0.045 m η = 0.4	x: 0.783 m η = 2.8	x: 0.045 m η = 9.9	x: 0.783 m η = 9.4	**CUMPLE** **η = 9.9**
N12/N70	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.066 m η = 0.6	x: 0.138 m η = 3.5	x: 0.834 m η = 2.5	x: 0.138 m η = 7.7	x: 0.138 m η = 8.4	x: 0.834 m η = 0.7	x: 1.066 m η = 2.2	x: 0.138 m η = 7.9	x: 0.138 m η = 9.5	x: 0.138 m η = 0.7	x: 0.138 m η = 0.9	x: 0.138 m η = 4.9	x: 0.138 m η = 14.5	x: 0.138 m η = 13.4	**CUMPLE** **η = 14.5**
N71/N12	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.661 m η < 0.1	x: 0.085 m η = 0.1	η = 7.0	x: 0.662 m η = 2.7	x: 0.662 m η = 5.5	η = 1.9	x: 0.085 m η = 1.0	x: 0.662 m η = 3.3	x: 0.662 m η = 8.5	x: 0.661 m η = 0.1	x: 0.662 m η = 0.8	x: 0.662 m η = 13.9	x: 0.662 m η = 11.7	x: 0.661 m η = 8.6	**CUMPLE** **η = 13.9**
N71/N72	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.841 m η = 0.3	x: 0.085 m η = 0.3	η = 1.6	x: 0.085 m η = 6.1	x: 0.842 m η = 0.9	η = 0.3	η = 1.9	x: 0.842 m η = 6.3	x: 0.842 m η = 1.5	x: 0.842 m η = 0.4	x: 0.841 m η < 0.1	x: 0.842 m η = 9.8	x: 0.085 m η = 6.7	x: 0.085 m η = 7.7	**CUMPLE** **η = 9.8**
N72/N73	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.767 m η = 4.3	x: 0.199 m η = 3.0	x: 0.199 m η = 1.7	x: 0.768 m η = 3.3	x: 0.768 m η = 9.8	η = 2.8	x: 0.199 m η = 1.3	x: 0.768 m η = 3.6	x: 0.768 m η = 10.2	x: 0.768 m η = 0.1	x: 0.768 m η = 1.1	x: 0.768 m η = 18.2	x: 0.768 m η = 14.6	x: 0.768 m η = 15.4	**CUMPLE** **η = 18.2**
N73/N74	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.524 m η = 4.5	x: 0.524 m η = 3.2	η = 3.2	x: 0.059 m η = 4.4	x: 0.059 m η = 16.3	x: 0.988 m η = 4.1	x: 0.989 m η = 1.3	x: 0.059 m η = 5.8	x: 0.059 m η = 17.6	x: 0.059 m η = 0.4	x: 0.059 m η = 3.2	x: 0.059 m η = 28.2	x: 0.059 m η = 22.8	x: 0.059 m η = 23.8	**CUMPLE** **η = 28.2**
N74/N75	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.847 m η = 14.7	x: 0.062 m η = 3.8	η = 3.4	x: 0.847 m η = 5.2	x: 0.062 m η = 15.8	η = 2.4	x: 0.847 m η = 1.5	x: 0.847 m η = 5.6	x: 0.062 m η = 16.8	x: 0.847 m η = 0.3	x: 0.062 m η = 2.9	x: 0.062 m η = 31.6	x: 0.062 m η = 18.7	x: 0.062 m η = 26.8	**CUMPLE** **η = 31.6**
N75/N76	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.935 m η = 14.9	x: 0 m η = 3.8	η = 2.3	x: 0 m η = 4.2	x: 0.936 m η = 6.6	x: 0.702 m η = 2.5	x: 0 m η = 1.0	x: 0 m η = 4.2	x: 0 m η = 7.3	x: 0 m η = 0.2	x: 0 m η = 0.6	x: 0 m η = 20.5	x: 0 m η = 8.8	x: 0 m η = 20.1	**CUMPLE** **η = 20.5**
N76/N77	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.955 m η = 19.6	x: 0.062 m η = 4.6	η = 2.8	x: 0.956 m η = 13.2	x: 0.062 m η = 20.3	η = 2.9	x: 0.956 m η = 3.3	x: 0.956 m η = 13.9	x: 0.062 m η = 20.9	x: 0.956 m η = 2.0	x: 0.062 m η = 4.5	x: 0.062 m η = 38.9	x: 0.062 m η = 22.2	x: 0.956 m η = 36.1	**CUMPLE** **η = 38.9**
N77/N78	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.935 m η = 19.5	x: 0 m η = 4.6	η = 2.2	x: 0 m η = 14.9	x: 0.936 m η = 12.4	x: 0.468 m η = 3.8	x: 0 m η = 2.9	x: 0 m η = 15.5	x: 0.936 m η = 13.2	x: 0 m η = 2.5	x: 0.936 m η = 1.9	x: 0 m η = 39.7	x: 0.936 m η = 14.7	x: 0 m η = 38.1	**CUMPLE** **η = 39.7**
N78/N79	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.956 m η = 1.6	x: 0.063 m η = 3.8	η = 2.2	x: 0.063 m η = 5.1	x: 0.063 m η = 24.2	x: 0.956 m η = 4.0	x: 0.063 m η = 1.7	x: 0.063 m η = 6.0	x: 0.063 m η = 24.6	x: 0.063 m η = 0.4	x: 0.063 m η = 6.2	x: 0.063 m η = 32.9	x: 0.063 m η = 28.5	x: 0.063 m η = 33.2	**CUMPLE** **η = 33.2**
N79/N80	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.234 m η = 1.6	x: 0.234 m η = 4.0	η = 3.0	x: 0.934 m η = 0.7	x: 0.934 m η = 17.2	x: 0.234 m η = 4.2	x: 0.934 m η = 0.2	x: 0.467 m η = 1.5	x: 0.934 m η = 18.6	x: 0.234 m η < 0.1	x: 0.934 m η = 3.6	x: 0.934 m η = 23.3	x: 0.934 m η = 22.8	x: 0.934 m η = 24.3	**CUMPLE** **η = 24.3**
N80/N81	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.951 m η = 5.1	x: 0.064 m η = 21.0	η = 2.3	x: 0.952 m η = 4.2	x: 0.064 m η = 23.9	η = 4.4	x: 0.064 m η = 1.6	x: 0.952 m η = 5.1	x: 0.064 m η = 24.1	x: 0.952 m η = 0.3	x: 0.064 m η = 6.0	x: 0.064 m η = 7.2	x: 0.064 m η = 33.8	x: 0.064 m η = 36.6	**CUMPLE** **η = 36.6**
N81/N82	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 5.1	x: 0 m η = 21.1	η = 2.4	x: 0 m η = 2.5	x: 0.938 m η = 21.1	x: 0.234 m η = 4.5	x: 0.937 m η = 0.5	x: 0 m η = 3.3	x: 0.938 m η = 21.6	x: 0 m η = 0.1	x: 0.938 m η = 4.9	x: 0.938 m η = 7.1	x: 0.938 m η = 29.1	x: 0.938 m η = 33.8	**CUMPLE** **η = 33.8**
N82/N83	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.006 m η = 7.5	x: 0.066 m η = 31.4	η = 2.2	x: 1.006 m η = 4.7	x: 0.066 m η = 20.4	η = 4.0	x: 0.066 m η = 1.3	x: 1.006 m η = 5.1	x: 0.066 m η = 20.9	x: 1.006 m η = 0.3	x: 0.066 m η = 4.5	x: 1.006 m η = 9.2	x: 1.006 m η = 37.3	x: 1.006 m η = 37.3	**CUMPLE** **η = 37.3**
N83/N84	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 7.5	x: 0 m η = 31.5	η = 2.2	x: 0 m η = 3.9	x: 0.928 m η = 20.5	η = 4.1	x: 0.927 m η = 0.7	x: 0 m η = 4.3	x: 0.928 m η = 21.0	x: 0 m η = 0.2	x: 0.928 m η = 4.6	x: 0.928 m η = 9.4	x: 0 m η = 36.6	x: 0.928 m η = 37.3	**CUMPLE** **η = 37.3**
N84/N85	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.004 m η = 8.5	x: 0.067 m η = 35.5	x: 0.535 m η = 4.0	x: 1.004 m η = 4.8	x: 0.067 m η = 18.7	x: 0.77 m η = 3.8	x: 0.067 m η = 1.1	x: 1.004 m η = 5.1	x: 0.067 m η = 20.3	x: 1.004 m η = 0.3	x: 0.067 m η = 4.3	x: 0.067 m η = 10.0	x: 1.004 m η = 41.2	x: 1.004 m η = 41.4	**CUMPLE** **η = 41.4**
N85/N86	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 8.5	x: 0 m η = 35.4	η = 3.6	x: 0 m η = 4.6	x: 0.928 m η = 19.4	η = 3.8	x: 0.927 m η = 0.9	x: 0 m η = 4.8	x: 0.928 m η = 21.0	x: 0 m η = 0.2	x: 0.928 m η = 4.5	x: 0.928 m η = 10.2	x: 0 m η = 40.9	x: 0 m η = 41.2	**CUMPLE** **η = 41.2**
N86/N87	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.007 m η = 8.2	x: 0.069 m η = 33.4	x: 0.069 m η = 5.6	x: 1.007 m η = 4.0	x: 0.069 m η = 17.0	x: 0.772 m η = 3.6	x: 0.069 m η = 0.9	x: 1.007 m η = 4.8	x: 0.069 m η = 19.1	x: 1.007 m η = 0.2	x: 0.069 m η = 3.8	x: 0.069 m η = 9.8	x: 1.007 m η = 39.2	x: 1.007 m η = 38.4	**CUMPLE** **η = 39.2**
N87/N88	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.922 m η = 8.2	x: 0 m η = 33.3	η = 5.3	x: 0 m η = 4.4	x: 0.923 m η = 16.7	x: 0.231 m η = 3.4	x: 0.922 m η = 0.8	x: 0 m η = 5.2	x: 0.923 m η = 18.9	x: 0 m η = 0.3	x: 0.923 m η = 3.7	x: 0.923 m η = 10.1	x: 0 m η = 39.7	x: 0 m η = 38.9	**CUMPLE** **η = 39.7**
N88/N89	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 6.8	x: 0.07 m η = 27.6	η = 3.4	x: 0.07 m η = 2.0	x: 0.07 m η = 16.6	x: 0.512 m η = 3.1	x: 0.954 m η = 0.5	x: 0.07 m η = 2.6	x: 0.07 m η = 17.6	x: 0.07 m η = 0.1	x: 0.07 m η = 3.2	x: 0.07 m η = 8.6	x: 0.07 m η = 31.3	x: 0.07 m η = 33.2	**CUMPLE** **η = 33.2**
N89/N90	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 6.8	x: 0 m η = 27.4	η = 3.0	x: 0.932 m η = 2.0	x: 0.932 m η = 15.0	η = 3.0	x: 0 m η = 0.4	x: 0.932 m η = 2.3	x: 0.932 m η = 16.3	x: 0.932 m η = 0.1	x: 0.932 m η = 2.7	x: 0.932 m η = 22.2	x: 0.932 m η = 30.4	x: 0.932 m η = 31.4	**CUMPLE** **η = 31.4**
N90/N91	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 5.5	x: 0.069 m η = 22.5	x: 0.954 m η = 8.8	x: 0.069 m η = 2.4	x: 0.069 m η = 11.5	x: 0.512 m η = 2.7	x: 0.954 m η = 0.7	x: 0.069 m η = 4.3	x: 0.069 m η = 14.8	x: 0.069 m η = 0.2	x: 0.069 m η = 2.3	x: 0.069 m η = 22.7	x: 0.069 m η = 30.0	x: 0.069 m η = 25.9	**CUMPLE** **η = 30.0**
N91/N92	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 5.5	x: 0 m η = 22.4	η = 8.2	x: 0.934 m η = 1.4	x: 0.934 m η = 16.0	η = 2.7	x: 0.933 m η = 0.3	x: 0.7 m η = 3.8	x: 0.934 m η = 19.4	x: 0.7 m η = 0.1	x: 0.934 m η = 3.8	x: 0.934 m η = 28.6	x: 0.934 m η = 32.7	x: 0.934 m η = 31.1	**CUMPLE** **η = 32.7**
N92/N93	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 4.5	x: 0.065 m η = 18.8	η = 2.9	x: 0.065 m η = 1.6	x: 0.065 m η = 12.3	x: 0.51 m η = 2.7	x: 0.065 m η = 0.4	x: 0.065 m η = 2.4	x: 0.065 m η = 13.3	x: 0.065 m η = 0.1	x: 0.065 m η = 1.8	x: 0.065 m η = 20.5	x: 0.065 m η = 25.7	x: 0.065 m η = 26.3	**CUMPLE** **η = 26.3**
N93/N94	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 4.5	x: 0 m η = 18.7	x: 0 m η = 3.6	x: 0.938 m η = 1.6	x: 0.938 m η = 14.2	η = 2.6	x: 0.937 m η = 0.4	x: 0.938 m η = 1.9	x: 0.938 m η = 15.4	x: 0.937 m η < 0.1	x: 0.938 m η = 2.4	x: 0.938 m η = 22.5	x: 0.938 m η = 27.4	x: 0.938 m η = 28.4	**CUMPLE** **η = 28.4**
N94/N95	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 3.7	x: 0.064 m η = 16.4	η = 2.7	x: 0.064 m η = 1.3	x: 0.064 m η = 11.9	x: 0.731 m η = 2.9	x: 0.064 m η = 0.3	x: 0.064 m η = 1.9	x: 0.064 m η = 12.2	x: 0.064 m η < 0.1	x: 0.064 m η = 1.6	x: 0.064 m η = 18.5	x: 0.064 m η = 23.2	x: 0.064 m η = 25.2	**CUMPLE** **η = 25.2**
N95/N96	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 3.7	x: 0 m η = 16.4	η = 2.5	x: 0.937 m η = 1.5	x: 0.937 m η = 14.5	η = 2.6	x: 0.937 m η = 0.3	x: 0.937 m η = 2.3	x: 0.937 m η = 15.1	x: 0.936 m η = 0.1	x: 0.937 m η = 2.3	x: 0.937 m η = 22.2	x: 0.937 m η = 26.0	x: 0.937 m η = 28.6	**CUMPLE** **η = 28.6**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N96/N97	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.2	x: 0.062 m η = 14.8	η = 3.2	x: 0.062 m η = 1.1	x: 0.062 m η = 8.9	x: 0.508 m η = 2.3	x: 0.062 m η = 0.3	x: 0.062 m η = 2.0	x: 0.062 m η = 9.2	x: 0.062 m η < 0.1	x: 0.062 m η = 0.9	x: 0.062 m η = 15.3	x: 0.062 m η = 20.3	x: 0.062 m η = 21.6	**CUMPLE** **η = 21.6**
N97/N98	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 3.2	x: 0 m η = 14.8	η = 2.9	x: 0.938 m η = 1.4	x: 0.938 m η = 13.4	η = 2.2	x: 0.938 m η = 0.3	x: 0.938 m η = 2.7	x: 0.938 m η = 13.5	x: 0.937 m η = 0.1	x: 0.938 m η = 1.9	x: 0.938 m η = 20.1	x: 0.938 m η = 23.9	x: 0.938 m η = 27.1	**CUMPLE** **η = 27.1**
N98/N99	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.508 m η = 3.3	x: 0.061 m η = 13.8	η = 3.5	x: 0.061 m η = 1.0	x: 0.061 m η = 6.3	x: 0.285 m η = 1.8	x: 0.061 m η = 0.3	x: 0.061 m η = 2.1	x: 0.061 m η = 7.7	x: 0.061 m η < 0.1	x: 0.061 m η = 0.6	x: 0.061 m η = 13.6	x: 0.061 m η = 18.5	x: 0.061 m η = 17.9	**CUMPLE** **η = 18.5**
N99/N100	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.268 m η = 3.0	x: 0.045 m η = 13.8	η = 3.4	x: 0.939 m η = 1.1	x: 0.939 m η = 11.6	η = 1.6	x: 0.939 m η = 0.3	x: 0.939 m η = 2.5	x: 0.939 m η = 12.3	x: 0.938 m η = 0.1	x: 0.939 m η = 1.5	x: 0.939 m η = 19.9	x: 0.939 m η = 23.5	x: 0.939 m η = 24.9	**CUMPLE** **η = 24.9**
N100/N101	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.731 m η = 3.2	x: 0.061 m η = 13.3	η = 4.1	x: 0.061 m η = 0.8	x: 0.061 m η = 6.0	η = 1.2	x: 0.061 m η = 0.2	x: 0.061 m η = 2.3	x: 0.061 m η = 7.3	x: 0.061 m η = 0.1	x: 0.061 m η = 0.5	x: 0.955 m η = 12.0	x: 0.955 m η = 17.3	x: 0.955 m η = 14.7	**CUMPLE** **η = 17.3**
N101/N102	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 3.0	x: 0.045 m η = 13.3	η = 3.1	x: 0.939 m η = 0.9	x: 0.939 m η = 9.3	x: 0.938 m η = 1.2	x: 0.939 m η = 0.2	x: 0.939 m η = 2.2	x: 0.939 m η = 10.5	x: 0.938 m η < 0.1	x: 0.939 m η = 1.1	x: 0.939 m η = 18.6	x: 0.939 m η = 22.3	x: 0.939 m η = 21.9	**CUMPLE** **η = 22.3**
N102/N103	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.249 m η = 2.7	x: 0.061 m η = 13.2	η = 6.3	x: 0.061 m η = 0.9	x: 0.061 m η = 5.9	η = 0.9	x: 0.061 m η = 0.2	x: 0.061 m η = 3.3	x: 0.061 m η = 7.8	x: 0.061 m η = 0.1	x: 0.061 m η = 0.6	x: 0.061 m η = 15.7	x: 0.061 m η = 19.9	x: 0.061 m η = 16.1	**CUMPLE** **η = 19.9**
N104/N103	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.813 m η = 2.9	x: 0.061 m η = 13.2	x: 0.813 m η = 3.8	x: 0.061 m η = 0.9	x: 0.061 m η = 6.3	η = 0.9	x: 0.061 m η = 0.2	x: 0.061 m η = 2.2	x: 0.061 m η = 7.4	x: 0.061 m η < 0.1	x: 0.061 m η = 0.6	x: 0.061 m η = 13.0	x: 0.061 m η = 18.5	x: 0.061 m η = 16.3	**CUMPLE** **η = 18.5**
N105/N104	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.4	x: 0.058 m η = 13.6	x: 0.719 m η = 11.6	x: 0.939 m η = 0.9	x: 0.939 m η = 7.7	x: 0.938 m η = 1.6	x: 0.938 m η = 0.4	x: 0.939 m η = 5.7	x: 0.939 m η = 12.3	x: 0.939 m η = 0.3	x: 0.939 m η = 1.5	x: 0.939 m η = 23.4	x: 0.939 m η = 27.2	x: 0.939 m η = 19.2	**CUMPLE** **η = 27.2**
N106/N105	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.941 m η = 2.4	x: 0.061 m η = 13.6	x: 0.062 m η = 10.3	x: 0.942 m η = 0.9	x: 0.061 m η = 6.7	η = 1.8	x: 0.061 m η = 0.3	x: 0.942 m η = 5.1	x: 0.061 m η = 9.0	x: 0.942 m η = 0.3	x: 0.061 m η = 0.8	x: 0.722 m η = 18.8	x: 0.061 m η = 23.0	x: 0.061 m η = 16.0	**CUMPLE** **η = 23.0**
N107/N106	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.6	x: 0.045 m η = 14.1	x: 0.268 m η = 4.7	x: 0.939 m η = 0.7	x: 0.939 m η = 11.7	η = 1.5	x: 0.938 m η = 0.2	x: 0.939 m η = 2.5	x: 0.939 m η = 12.7	x: 0.938 m η = 0.1	x: 0.939 m η = 1.6	x: 0.939 m η = 19.1	x: 0.939 m η = 24.0	x: 0.939 m η = 24.5	**CUMPLE** **η = 24.5**
N108/N107	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 2.6	x: 0.061 m η = 14.1	η = 5.8	x: 0.061 m η = 0.7	x: 0.061 m η = 5.9	η = 1.7	x: 0.061 m η = 0.2	x: 0.061 m η = 2.9	x: 0.061 m η = 8.1	x: 0.061 m η = 0.1	x: 0.061 m η = 0.7	x: 0.955 m η = 13.8	x: 0.955 m η = 19.1	x: 0.955 m η = 16.0	**CUMPLE** **η = 19.1**
N109/N108	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 3.0	x: 0 m η = 15.1	x: 0.938 m η = 4.8	x: 0.938 m η = 0.9	x: 0.938 m η = 14.4	η = 2.1	x: 0.938 m η = 0.2	x: 0.938 m η = 3.0	x: 0.938 m η = 15.0	x: 0.937 m η = 0.1	x: 0.938 m η = 2.3	x: 0.938 m η = 21.9	x: 0.938 m η = 25.6	x: 0.938 m η = 28.0	**CUMPLE** **η = 28.0**
N110/N109	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.0	x: 0.062 m η = 15.1	η = 5.1	x: 0.062 m η = 0.9	x: 0.062 m η = 8.9	η = 2.2	x: 0.062 m η = 0.3	x: 0.062 m η = 2.6	x: 0.062 m η = 9.5	x: 0.062 m η = 0.1	x: 0.062 m η = 0.9	x: 0.062 m η = 15.5	x: 0.062 m η = 20.5	x: 0.062 m η = 19.7	**CUMPLE** **η = 20.5**
N111/N110	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 3.6	x: 0 m η = 16.6	η = 4.2	x: 0.937 m η = 1.0	x: 0.937 m η = 15.1	η = 2.6	x: 0.937 m η = 0.3	x: 0.937 m η = 2.6	x: 0.937 m η = 15.3	x: 0.936 m η = 0.1	x: 0.937 m η = 2.4	x: 0.937 m η = 21.2	x: 0.937 m η = 25.6	x: 0.937 m η = 29.0	**CUMPLE** **η = 29.0**
N112/N111	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 3.6	x: 0.064 m η = 16.7	η = 4.3	x: 0.064 m η = 1.2	x: 0.064 m η = 12.3	x: 0.509 m η = 2.8	x: 0.064 m η = 0.3	x: 0.064 m η = 2.5	x: 0.064 m η = 12.8	x: 0.064 m η = 0.1	x: 0.064 m η = 1.7	x: 0.064 m η = 18.7	x: 0.064 m η = 23.7	x: 0.064 m η = 25.6	**CUMPLE** **η = 25.6**
N113/N112	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 5.4	x: 0 m η = 19.0	η = 3.8	x: 0 m η = 2.0	x: 0.938 m η = 13.7	η = 2.6	x: 0.937 m η = 0.5	x: 0 m η = 2.9	x: 0.938 m η = 14.4	x: 0 m η = 0.1	x: 0.938 m η = 2.1	x: 0.938 m η = 20.0	x: 0.938 m η = 26.0	x: 0.938 m η = 27.7	**CUMPLE** **η = 27.7**
N114/N113	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.955 m η = 5.3	x: 0.065 m η = 19.1	η = 3.6	x: 0.065 m η = 2.1	x: 0.065 m η = 13.2	x: 0.287 m η = 2.7	x: 0.065 m η = 0.3	x: 0.065 m η = 2.7	x: 0.065 m η = 13.5	x: 0.065 m η = 0.1	x: 0.065 m η = 1.9	x: 0.065 m η = 19.2	x: 0.065 m η = 24.8	x: 0.065 m η = 27.0	**CUMPLE** **η = 27.0**
N115/N114	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 5.3	x: 0 m η = 22.5	η = 4.8	x: 0.934 m η = 2.0	x: 0.934 m η = 14.5	η = 2.7	x: 0.933 m η = 0.5	x: 0.934 m η = 2.8	x: 0.934 m η = 16.3	x: 0.933 m η = 0.1	x: 0.934 m η = 2.7	x: 0.934 m η = 23.0	x: 0.934 m η = 29.2	x: 0.934 m η = 29.6	**CUMPLE** **η = 29.6**
N116/N115	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 5.4	x: 0.069 m η = 22.7	η = 4.2	x: 0.069 m η = 3.3	x: 0.069 m η = 13.6	x: 0.512 m η = 2.9	x: 0.954 m η = 0.8	x: 0.069 m η = 3.9	x: 0.069 m η = 15.1	x: 0.069 m η = 0.2	x: 0.069 m η = 2.4	x: 0.069 m η = 21.3	x: 0.069 m η = 28.4	x: 0.069 m η = 28.4	**CUMPLE** **η = 28.4**
N117/N116	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 6.7	x: 0 m η = 27.5	η = 5.6	x: 0.932 m η = 3.2	x: 0.932 m η = 16.1	η = 3.1	x: 0 m η = 0.7	x: 0.932 m η = 4.1	x: 0.932 m η = 18.3	x: 0.932 m η = 0.2	x: 0.932 m η = 3.4	x: 0.932 m η = 8.9	x: 0.932 m η = 32.2	x: 0.932 m η = 32.6	**CUMPLE** **η = 32.6**
N118/N117	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 6.7	x: 0.07 m η = 27.7	η = 5.4	x: 0.07 m η = 2.6	x: 0.07 m η = 15.3	x: 0.512 m η = 3.2	x: 0.954 m η = 0.6	x: 0.07 m η = 3.4	x: 0.07 m η = 17.4	x: 0.07 m η = 0.1	x: 0.07 m η = 3.1	x: 0.07 m η = 22.6	x: 0.07 m η = 31.4	x: 0.07 m η = 31.4	**CUMPLE** **η = 31.4**
N119/N118	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.928 m η = 8.1	x: 0.045 m η = 33.5	η = 5.8	x: 0.045 m η = 4.5	x: 0.929 m η = 18.4	x: 0.487 m η = 3.6	x: 0.928 m η = 0.9	x: 0.045 m η = 5.4	x: 0.929 m η = 20.9	x: 0.045 m η = 0.3	x: 0.929 m η = 4.5	x: 0.045 m η = 9.7	x: 0.045 m η = 40.1	x: 0.045 m η = 39.1	**CUMPLE** **η = 40.1**
N120/N119	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.001 m η = 8.1	x: 0.069 m η = 33.6	x: 0.302 m η = 5.9	x: 1.001 m η = 4.1	x: 0.069 m η = 17.1	x: 0.768 m η = 3.7	x: 0.069 m η = 0.9	x: 1.001 m η = 5.0	x: 0.069 m η = 19.3	x: 1.001 m η = 0.3	x: 0.069 m η = 3.9	x: 0.069 m η = 9.7	x: 1.001 m η = 39.8	x: 1.001 m η = 38.7	**CUMPLE** **η = 39.8**
N121/N120	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.915 m η = 8.5	x: 0 m η = 35.6	η = 3.5	x: 0 m η = 4.6	x: 0.916 m η = 19.4	x: 0.458 m η = 3.8	x: 0.915 m η = 0.9	x: 0 m η = 4.8	x: 0.916 m η = 20.8	x: 0 m η = 0.2	x: 0.916 m η = 4.5	x: 0.916 m η = 10.1	x: 0 m η = 40.9	x: 0 m η = 41.3	**CUMPLE** **η = 41.3**
N122/N121	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.017 m η = 8.5	x: 0.067 m η = 35.6	η = 3.8	x: 1.017 m η = 4.8	x: 0.067 m η = 18.6	x: 0.779 m η = 3.9	x: 0.067 m η = 1.1	x: 1.017 m η = 5.1	x: 0.067 m η = 20.1	x: 1.017 m η = 0.3	x: 0.067 m η = 4.2	x: 1.017 m η = 10.1	x: 1.017 m η = 41.2	x: 1.017 m η = 41.6	**CUMPLE** **η = 41.6**
N123/N122	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.942 m η = 7.5	x: 0 m η = 31.5	η = 4.0	x: 0 m η = 4.0	x: 0.943 m η = 20.9	x: 0.707 m η = 4.2	x: 0.942 m η = 0.8	x: 0 m η = 4.5	x: 0.943 m η = 21.3	x: 0 m η = 0.2	x: 0.943 m η = 4.7	x: 0.943 m η = 9.4	x: 0 m η = 36.8	x: 0.943 m η = 38.5	**CUMPLE** **η = 38.5**
N124/N123	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.991 m η = 7.5	x: 0.066 m η = 31.5	η = 4.4	x: 0.991 m η = 4.9	x: 0.066 m η = 21.5	η = 4.3	x: 0.066 m η = 1.3	x: 0.991 m η = 5.3	x: 0.066 m η = 22.3	x: 0.991 m η = 0.3	x: 0.066 m η = 5.2	x: 0.991 m η = 9.3	x: 0.991 m η = 37.5	x: 0.066 m η = 38.5	**CUMPLE** **η = 38.5**
N125/N124	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 5.1	x: 0 m η = 21.1	η = 4.2	x: 0 m η = 2.5	x: 0.934 m η = 20.5	x: 0.233 m η = 4.4	x: 0.933 m η = 0.5	x: 0 m η = 3.4	x: 0.934 m η = 21.2	x: 0 m η = 0.1	x: 0.934 m η = 4.7	x: 0.934 m η = 7.1	x: 0.934 m η = 29.0	x: 0.934 m η = 33.3	**CUMPLE** **η = 33.3**
N126/N125	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.956 m η = 5.0	x: 0.064 m η = 20.9	η = 4.9	x: 0.957 m η = 4.3	x: 0.064 m η = 22.9	η = 4.2	x: 0.064 m η = 1.6	x: 0.957 m η = 5.1	x: 0.064 m η = 23.3	x: 0.957 m η = 0.3	x: 0.064 m η = 5.6	x: 0.064 m η = 7.2	x: 0.064 m η = 32.2	x: 0.064 m η = 35.0	**CUMPLE** **η = 35.0**
N127/N126	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.922 m η = 1.3	x: 0 m η = 3.8	η = 4.5	x: 0.923 m η = 0.8	x: 0.923 m η = 18.6	x: 0.231 m η = 4.7	x: 0.923 m η = 0.3	x: 0.923 m η = 2.2	x: 0.923 m η = 20.2	x: 0.922 m η < 0.1	x: 0.923 m η = 4.3	x: 0.923 m η = 25.8	x: 0.923 m η = 24.7	x: 0.923 m η = 25.9	**CUMPLE** **η = 25.9**
N128/N127	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.742 m η = 1.4	x: 0.063 m η = 3.5	η = 4.5	x: 0.063 m η = 5.2	x: 0.063 m η = 25.2	x: 0.967 m η = 4.3	x: 0.063 m η = 1.7	x: 0.063 m η = 6.1	x: 0.063 m η = 25.8	x: 0.063 m η = 0.4	x: 0.063 m η = 6.8	x: 0.063 m η = 34.0	x: 0.063 m η = 29.5	x: 0.063 m η = 34.1	**CUMPLE** **η = 34.1**
N129/N128	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.93 m η = 19.6	x: 0 m η = 4.5	η = 3.4	x: 0 m η = 14.9	x: 0.931 m η = 11.5	x: 0.465 m η = 3.5	x: 0 m η = 2.9	x: 0 m η = 15.5	x: 0.931 m η = 12.7	x: 0 m η = 2.5	x: 0.931 m η = 1.7	x: 0 m η = 39.9	x: 0.931 m η = 13.6	x: 0 m η = 38.2	**CUMPLE** **η = 39.9**
N130/N129	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.959 m η = 19.7	x: 0.062 m η = 4.6	η = 3.6	x: 0.96 m η = 13.2	x: 0.062 m η = 19.9	x: 0.287 m η = 2.8	x: 0.96 m η = 3.3	x: 0.96 m η = 13.9	x: 0.062 m η = 20.4	x: 0.96 m η = 2.0	x: 0.062 m η = 4.2	x: 0.96 m η = 38.1	x: 0.062 m η = 21.2	x: 0.96 m η = 36.2	**CUMPLE** **η = 38.1**
N131/N130	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.934 m η = 15.0	x: 0 m η = 3.8	η = 2.2	x: 0 m η = 4.2	x: 0.935 m η = 7.0	x: 0.701 m η = 2.7	x: 0 m η = 1.0	x: 0 m η = 4.3	x: 0.935 m η = 7.5	x: 0 m η = 0.2	x: 0.935 m η = 0.6	x: 0 m η = 20.7	x: 0.935 m η = 8.7	x: 0 m η = 20.2	**CUMPLE** **η = 20.7**
N132/N131	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.848 m η = 14.9	x: 0.062 m η = 3.7	η = 3.3	x: 0.848 m η = 5.2	x: 0.062 m η = 16.0	η = 2.4	x: 0.848 m η = 1.5	x: 0.848 m η = 5.7	x: 0.062 m η = 16.9	x: 0.848 m η = 0.3	x: 0.062 m η = 2.9	x: 0.062 m η = 31.7	x: 0.062 m η = 18.5	x: 0.062 m η = 26.9	**CUMPLE** **η = 31.7**
N133/N132	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.534 m η = 4.7	x: 0.534 m η = 3.4	η = 3.0	x: 0.059 m η = 4.1	x: 0.059 m η = 16.8	x: 1.008 m η = 4.3	x: 1.008 m η = 1.2	x: 0.059 m η = 5.5	x: 0.059 m η = 18.0	x: 0.059 m η = 0.3	x: 0.059 m η = 3.4	x: 0.059 m η = 28.5	x: 0.059 m η = 23.0	x: 0.059 m η = 24.3	**CUMPLE** **η = 28.5**
N134/N133	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.765 m η = 4.6	x: 0.2 m η = 3.3	x: 0.2 m η = 1.9	x: 0.766 m η = 3.5	x: 0.766 m η = 10.3	η = 3.0	x: 0.2 m η = 1.3	x: 0.766 m η = 3.7	x: 0.766 m η = 10.8	x: 0.766 m η = 0.2	x: 0.766 m η = 1.3	x: 0.766 m η = 18.6	x: 0.766 m η = 15.2	x: 0.766 m η = 16.0	**CUMPLE** **η = 18.6**
N13/N134	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.863 m η = 0.2	x: 0.085 m η = 0.2	η = 1.5	x: 0.085 m η = 6.4	x: 0.864 m η = 0.9	η = 0.3	η = 1.9	x: 0.085 m η = 6.5	x: 0.864 m η = 1.6	x: 0.085 m η = 0.4	x: 0.863 m η < 0.1	x: 0.864 m η = 9.8	x: 0.085 m η = 7.0	x: 0.085 m η = 8.0	**CUMPLE** **η = 9.8**
N5/N134	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.074 m η = 0.4	x: 0.201 m η = 3.0	η = 1.9	x: 0.201 m η = 1.3	x: 0.201 m η = 17.2	η = 3.1	x: 1.074 m η = 0.3	x: 0.201 m η = 1.4	x: 0.201 m η = 18.0	x: 0.201 m η < 0.1	x: 0.201 m η = 3.3	x: 1.075 m η = 3.2	x: 0.201 m η = 20.2	x: 0.201 m η = 22.7	**CUMPLE** **η = 22.7**
N5/N132	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.459 m η = 20.9	x: 0.206 m η = 7.5	η = 3.2	x: 0.206 m η = 1.7	x: 1.46 m η = 5.5	η = 0.6	x: 0.206 m η = 0.2	x: 1.46 m η = 2.1	x: 1.46 m η = 6.2	x: 1.459 m η < 0.1	x: 1.46 m η = 0.4	x: 1.46 m η = 31.3	x: 1.46 m η = 10.8	x: 1.46 m η = 28.0	**CUMPLE** **η = 31.3**
N6/N132	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.291 m η = 5.3	x: 0.112 m η = 26.5	η = 2.0	x: 1.292 m η = 3.7	x: 0.112 m η = 7.5	x: 1.291 m η = 0.8	x: 1.291 m η = 0.5	x: 1.292 m η = 4.3	x: 0.112 m η = 8.3	x: 1.292 m η = 0.2	x: 0.112 m η = 0.7	x: 1.292 m η = 10.1	x: 1.292 m η = 37.9	x: 1.292 m η = 34.9	**CUMPLE** **η = 37.9**
N6/N130	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.384 m η = 10.3	x: 0.11 m η = 3.7	x: 0.96 m η = 3.6	x: 0.11 m η = 4.0	x: 0.11 m η = 11.7	x: 0.96 m η = 1.7	x: 0.11 m η = 0.5	x: 0.11 m η = 4.6	x: 0.11 m η = 13.1	x: 0.11 m η = 0.2	x: 0.11 m η = 1.8	x: 0.11 m η = 28.2	x: 0.11 m η = 17.9	x: 0.11 m η = 22.3	**CUMPLE** **η = 28.2**
N16/N130	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.57 m η = 3.1	x: 0.141 m η = 8.8	x: 0.57 m η = 3.3	x: 1.428 m η = 1.5	x: 1.428 m η = 4.1	η = 0.4	x: 1.427 m η = 0.2	x: 1.428 m η = 2.5	x: 1.428 m η = 4.4	x: 1.427 m η = 0.1	x: 1.428 m η = 0.2	x: 0.141 m η = 9.1	x: 1.428 m η = 15.1	x: 1.428 m η = 14.2	**CUMPLE** **η = 15.1**
N16/N128	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.482 m η = 12.4	x: 0.11 m η = 70.0	x: 1.025 m η = 3.1	x: 1.483 m η = 6.2	x: 1.483 m η = 17.2	η = 2.2	x: 1.482 m η = 0.4	x: 1.483 m η = 6.4	x: 1.483 m η = 18.5	x: 1.483 m η = 0.4	x: 1.483 m η = 3.5	x: 0.339 m η = 15.6	x: 1.483 m η = 80.9	x: 1.483 m η = 78.0	**CUMPLE** **η = 80.9**
N18/N128	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.489 m η = 46.9	x: 0.11 m η = 13.8	η = 5.4	x: 0.11 m η = 5.7	x: 0.11 m η = 3.7	η = 0.1	x: 0.11 m η = 0.8	x: 0.11 m η = 5.8	x: 0.11 m η = 4.9	x: 0.11 m η = 0.3	x: 0.11 m η = 0.2	x: 1.49 m η = 56.5	x: 1.49 m η = 16.9	x: 1.49 m η = 54.1	**CUMPLE** **η = 56.5**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N18/N126	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.53 m η = 10.2	x: 0.108 m η = 57.7	η = 0.6	x: 1.531 m η = 7.7	x: 1.531 m η = 13.0	x: 0.642 m η = 1.1	x: 1.53 m η = 1.0	x: 1.531 m η = 7.8	x: 1.531 m η = 13.1	x: 1.531 m η = 0.6	x: 1.531 m η = 1.7	x: 0.108 m η = 13.7	x: 1.531 m η = 70.3	x: 1.531 m η = 67.6	**CUMPLE** **η = 70.3**
N20/N126	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.535 m η = 30.4	x: 0.108 m η = 9.0	x: 1 m η = 3.9	x: 1.536 m η = 3.6	x: 1.536 m η = 5.3	x: 1 m η = 0.5	x: 0.108 m η = 0.5	x: 1.536 m η = 3.8	x: 1.536 m η = 6.4	x: 1.536 m η = 0.1	x: 1.536 m η = 0.4	x: 1.536 m η = 37.7	x: 1.536 m η = 11.1	x: 1.536 m η = 35.4	**CUMPLE** **η = 37.7**
N20/N124	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.56 m η = 6.9	x: 0.107 m η = 39.2	η = 1.1	x: 0.107 m η = 5.5	x: 1.561 m η = 9.6	x: 0.108 m η = 0.8	x: 1.56 m η = 0.7	x: 0.107 m η = 5.6	x: 1.561 m η = 9.6	x: 0.107 m η = 0.3	x: 1.561 m η = 0.9	x: 0.107 m η = 9.2	x: 1.561 m η = 48.0	x: 1.561 m η = 46.2	**CUMPLE** **η = 48.0**
N22/N124	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.562 m η = 16.5	x: 0.107 m η = 4.8	x: 1.199 m η = 3.0	x: 1.563 m η = 1.9	x: 1.563 m η = 5.1	x: 1.199 m η = 0.6	x: 0.107 m η = 0.3	x: 1.563 m η = 2.2	x: 0.107 m η = 6.1	x: 1.562 m η = 0.1	x: 0.107 m η = 0.4	x: 1.563 m η = 20.3	x: 1.563 m η = 6.1	x: 1.563 m η = 19.0	**CUMPLE** **η = 20.3**
N22/N122	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.571 m η = 3.8	x: 0.107 m η = 21.8	η = 1.1	x: 0.107 m η = 4.0	x: 1.572 m η = 7.6	x: 0.29 m η = 0.7	x: 1.571 m η = 0.5	x: 0.107 m η = 4.1	x: 1.572 m η = 7.7	x: 0.107 m η = 0.2	x: 1.572 m η = 0.6	x: 0.107 m η = 4.9	x: 1.572 m η = 27.6	x: 0.107 m η = 26.8	**CUMPLE** **η = 27.6**
N24/N122	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.473 m η = 6.4	x: 0.473 m η = 6.0	x: 1.571 m η = 2.2	x: 1.572 m η = 1.6	x: 1.572 m η = 6.0	x: 1.571 m η = 0.5	x: 1.571 m η = 0.2	x: 1.572 m η = 1.6	x: 0.107 m η = 6.3	x: 1.571 m η < 0.1	x: 0.107 m η = 0.4	x: 1.572 m η = 13.0	x: 1.572 m η = 11.3	x: 1.572 m η = 11.6	**CUMPLE** **η = 13.0**
N24/N120	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.565 m η = 4.8	x: 0.107 m η = 8.6	η = 1.0	x: 0.107 m η = 2.2	x: 1.566 m η = 4.8	x: 0.472 m η = 0.5	x: 1.565 m η = 0.2	x: 0.107 m η = 2.4	x: 1.566 m η = 4.9	x: 0.107 m η = 0.1	x: 1.566 m η = 0.2	x: 0.107 m η = 8.3	x: 0.107 m η = 12.0	x: 0.107 m η = 11.6	**CUMPLE** **η = 12.0**
N26/N120	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.471 m η = 4.2	x: 0.107 m η = 11.6	η = 1.5	x: 0.107 m η = 3.0	x: 0.107 m η = 5.2	η = 0.4	x: 1.563 m η = 0.4	x: 0.107 m η = 3.2	x: 0.107 m η = 5.6	x: 0.107 m η = 0.1	x: 0.107 m η = 0.3	x: 1.564 m η = 7.2	x: 0.107 m η = 16.1	x: 0.107 m η = 15.6	**CUMPLE** **η = 16.1**
N26/N118	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.539 m η = 8.0	x: 0.105 m η = 3.4	η = 1.2	x: 1.54 m η = 1.7	x: 0.105 m η = 3.6	η = 0.4	x: 0.105 m η = 0.1	x: 1.54 m η = 1.9	x: 0.105 m η = 3.9	x: 1.539 m η < 0.1	x: 0.105 m η = 0.2	x: 1.54 m η = 11.5	x: 0.105 m η = 4.9	x: 1.54 m η = 10.3	**CUMPLE** **η = 11.5**
N28/N118	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.551 m η = 4.9	x: 0.105 m η = 20.1	η = 1.4	x: 1.552 m η = 4.0	x: 1.552 m η = 3.7	η = 0.3	x: 1.551 m η = 0.6	x: 1.552 m η = 4.1	x: 1.552 m η = 4.3	x: 1.552 m η = 0.2	x: 1.552 m η = 0.2	x: 0.105 m η = 6.7	x: 1.552 m η = 26.6	x: 1.552 m η = 25.6	**CUMPLE** **η = 26.6**
N28/N116	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.648 m η = 7.4	x: 0.102 m η = 3.7	η = 1.6	x: 1.649 m η = 1.2	x: 0.102 m η = 3.8	η = 0.3	x: 0.102 m η = 0.1	x: 1.649 m η = 1.7	x: 0.102 m η = 4.3	x: 1.648 m η < 0.1	x: 0.102 m η = 0.2	x: 0.102 m η = 11.2	x: 0.102 m η = 5.6	x: 1.649 m η = 9.8	**CUMPLE** **η = 11.2**
N30/N116	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.654 m η = 4.8	x: 0.102 m η = 18.8	η = 1.8	x: 1.655 m η = 3.2	x: 0.102 m η = 4.7	η = 0.4	x: 1.654 m η = 0.5	x: 1.655 m η = 3.5	x: 0.102 m η = 5.1	x: 1.655 m η = 0.1	x: 0.102 m η = 0.3	x: 0.102 m η = 6.4	x: 1.655 m η = 23.5	x: 1.655 m η = 22.8	**CUMPLE** **η = 23.5**
N30/N114	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.797 m η = 6.8	x: 0.099 m η = 3.8	η = 1.9	x: 1.798 m η = 0.8	x: 1.798 m η = 4.7	η = 0.3	x: 0.099 m η = 0.1	x: 1.798 m η = 1.6	x: 1.798 m η = 5.4	x: 1.797 m η < 0.1	x: 1.798 m η = 0.3	x: 1.798 m η = 12.7	x: 1.798 m η = 6.6	x: 1.798 m η = 9.8	**CUMPLE** **η = 12.7**
N32/N114	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.804 m η = 3.6	x: 0.098 m η = 12.8	η = 1.9	x: 1.805 m η = 2.4	x: 1.805 m η = 5.1	η = 0.3	x: 1.804 m η = 0.3	x: 1.805 m η = 2.7	x: 1.805 m η = 5.6	x: 1.805 m η = 0.1	x: 1.805 m η = 0.3	x: 0.098 m η = 7.4	x: 1.805 m η = 16.4	x: 1.805 m η = 15.8	**CUMPLE** **η = 16.4**
N32/N112	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.903 m η = 9.1	x: 0.097 m η = 10.7	η = 2.4	x: 1.904 m η = 1.5	x: 1.904 m η = 4.5	η = 0.2	x: 0.097 m η = 0.1	x: 1.904 m η = 1.8	x: 1.904 m η = 5.5	x: 1.903 m η < 0.1	x: 1.904 m η = 0.3	x: 1.904 m η = 13.5	x: 1.904 m η = 13.2	x: 1.904 m η = 12.5	**CUMPLE** **η = 13.5**
N34/N112	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.906 m η = 6.9	x: 0.097 m η = 14.4	η = 1.7	x: 1.907 m η = 2.2	x: 1.907 m η = 6.8	η = 0.2	x: 1.906 m η = 0.3	x: 1.907 m η = 2.6	x: 1.907 m η = 7.2	x: 1.907 m η = 0.1	x: 1.907 m η = 0.5	x: 1.907 m η = 12.6	x: 1.907 m η = 19.6	x: 1.907 m η = 18.3	**CUMPLE** **η = 19.6**
N34/N110	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.853 m η = 8.4	x: 0.853 m η = 11.3	η = 3.5	x: 1.988 m η = 1.6	x: 1.988 m η = 4.2	η = 0.1	x: 1.987 m η = 0.2	x: 1.988 m η = 2.3	x: 1.988 m η = 5.6	x: 1.987 m η = 0.1	x: 1.988 m η = 0.3	x: 1.988 m η = 12.5	x: 1.988 m η = 14.3	x: 1.988 m η = 13.3	**CUMPLE** **η = 14.3**
N36/N110	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.986 m η = 6.8	x: 0.096 m η = 13.3	η = 1.7	x: 1.987 m η = 2.1	x: 1.987 m η = 9.7	η = 0.3	x: 1.986 m η = 0.3	x: 1.987 m η = 2.6	x: 1.987 m η = 9.9	x: 1.987 m η = 0.1	x: 1.987 m η = 1.0	x: 1.987 m η = 15.5	x: 1.987 m η = 19.9	x: 1.987 m η = 18.5	**CUMPLE** **η = 19.9**
N36/N108	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.046 m η = 7.4	x: 0.096 m η = 11.3	η = 5.1	x: 2.047 m η = 1.7	x: 2.047 m η = 6.9	x: 1.462 m η = 0.4	x: 2.046 m η = 0.2	x: 2.047 m η = 2.6	x: 2.047 m η = 9.0	x: 2.046 m η = 0.1	x: 2.047 m η = 0.8	x: 2.047 m η = 15.1	x: 0.096 m η = 15.0	x: 0.096 m η = 13.5	**CUMPLE** **η = 15.1**
N38/N108	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.086 m η = 6.8	x: 0.098 m η = 12.7	η = 1.6	x: 2.087 m η = 2.0	x: 2.087 m η = 16.0	η = 0.7	x: 2.086 m η = 0.2	x: 2.087 m η = 2.5	x: 2.087 m η = 16.4	x: 2.087 m η = 0.1	x: 2.087 m η = 2.7	x: 2.087 m η = 15.7	x: 2.087 m η = 19.2	x: 2.087 m η = 21.0	**CUMPLE** **η = 21.0**
N38/N106	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.045 m η = 6.6	x: 0.097 m η = 10.9	η = 6.1	x: 2.046 m η = 1.7	x: 2.046 m η = 15.1	x: 1.266 m η = 1.2	x: 2.045 m η = 0.2	x: 2.046 m η = 3.3	x: 2.046 m η = 17.7	x: 2.045 m η = 0.1	x: 2.046 m η = 3.2	x: 2.046 m η = 27.0	x: 2.046 m η = 22.8	x: 2.046 m η = 20.6	**CUMPLE** **η = 27.0**
N40/N106	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.896 m η = 6.4	x: 0.896 m η = 11.4	x: 1.095 m η = 3.4	x: 2.092 m η = 1.8	x: 2.092 m η = 24.0	x: 0.896 m η = 1.8	x: 2.091 m η = 0.2	x: 2.092 m η = 2.1	x: 2.092 m η = 25.3	x: 2.091 m η < 0.1	x: 2.092 m η = 6.4	x: 2.092 m η = 34.4	x: 2.092 m η = 27.6	x: 2.092 m η = 30.4	**CUMPLE** **η = 34.4**
N40/N104	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.307 m η = 5.3	x: 1.307 m η = 8.0	η = 2.9	x: 2.113 m η = 1.2	x: 2.113 m η = 24.4	x: 0.905 m η = 1.8	x: 2.112 m η = 0.2	x: 2.113 m η = 1.8	x: 2.113 m η = 25.5	x: 2.112 m η < 0.1	x: 2.113 m η = 6.5	x: 2.113 m η = 36.1	x: 2.113 m η = 29.7	x: 2.113 m η = 33.2	**CUMPLE** **η = 36.1**
N42/N104	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.948 m η = 4.7	x: 0.948 m η = 10.4	x: 0.948 m η = 5.8	x: 2.223 m η = 1.4	x: 2.223 m η = 13.1	x: 0.735 m η = 1.1	x: 2.222 m η = 0.2	x: 2.223 m η = 3.0	x: 2.223 m η = 15.5	x: 2.222 m η = 0.1	x: 2.223 m η = 2.4	x: 0.735 m η = 11.1	x: 2.223 m η = 20.5	x: 2.223 m η = 18.3	**CUMPLE** **η = 20.5**
N42/N102	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.593 m η = 4.6	x: 0.099 m η = 8.3	η = 1.1	x: 2.233 m η = 1.0	x: 2.233 m η = 13.6	x: 1.166 m η = 0.5	x: 2.232 m η = 0.1	x: 2.233 m η = 1.3	x: 2.233 m η = 14.0	x: 2.232 m η < 0.1	x: 2.233 m η = 2.0	x: 2.233 m η = 19.9	x: 2.233 m η = 18.4	x: 2.233 m η = 20.2	**CUMPLE** **η = 20.2**
N44/N102	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.904 m η = 4.2	x: 0.904 m η = 8.2	x: 1.105 m η = 4.8	x: 2.111 m η = 1.4	x: 2.111 m η = 6.3	x: 0.904 m η = 0.4	x: 2.11 m η = 0.1	x: 2.111 m η = 2.6	x: 2.111 m η = 8.3	x: 2.11 m η = 0.1	x: 2.111 m η = 0.7	x: 1.306 m η = 8.4	x: 2.111 m η = 11.8	x: 2.111 m η = 10.8	**CUMPLE** **η = 11.8**
N44/N100	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.087 m η = 3.6	x: 0.098 m η = 7.0	η = 1.3	x: 2.088 m η = 1.1	x: 2.088 m η = 7.8	η = 0.1	x: 2.087 m η = 0.2	x: 2.088 m η = 1.6	x: 2.088 m η = 7.8	x: 2.087 m η < 0.1	x: 2.088 m η = 0.6	x: 2.088 m η = 11.0	x: 2.088 m η = 11.6	x: 2.088 m η = 12.4	**CUMPLE** **η = 12.4**
N46/N100	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.878 m η = 4.1	x: 0.878 m η = 7.0	x: 0.097 m η = 3.4	x: 2.051 m η = 1.3	x: 2.051 m η = 3.3	η = 0.1	x: 2.05 m η = 0.1	x: 2.051 m η = 1.8	x: 2.051 m η = 4.7	x: 2.05 m η < 0.1	x: 2.051 m η = 0.2	x: 2.051 m η = 8.2	x: 2.051 m η = 10.4	x: 2.051 m η = 9.4	**CUMPLE** **η = 10.4**
N46/N98	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.689 m η = 2.9	x: 0.098 m η = 6.9	η = 1.1	x: 2.087 m η = 1.3	x: 2.087 m η = 4.9	η = 0.1	x: 2.086 m η = 0.2	x: 2.087 m η = 1.5	x: 2.087 m η = 5.2	x: 2.086 m η < 0.1	x: 2.086 m η = 0.3	x: 2.087 m η = 7.6	x: 2.087 m η = 10.7	x: 2.087 m η = 9.7	**CUMPLE** **η = 10.7**
N48/N98	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.682 m η = 3.8	x: 0.682 m η = 5.7	x: 0.096 m η = 2.5	x: 2.048 m η = 1.2	x: 0.096 m η = 2.3	η = 0.1	x: 2.047 m η = 0.1	x: 2.048 m η = 1.6	x: 0.096 m η = 3.4	x: 2.047 m η < 0.1	x: 0.096 m η = 0.1	x: 0.096 m η = 7.7	x: 2.048 m η = 8.2	x: 2.048 m η = 7.3	**CUMPLE** **η = 8.2**
N48/N96	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.987 m η = 2.5	x: 0.095 m η = 8.2	η = 1.0	x: 1.988 m η = 1.6	x: 1.988 m η = 4.8	η = 0.1	x: 1.987 m η = 0.2	x: 1.988 m η = 1.7	x: 1.988 m η = 5.1	x: 1.987 m η < 0.1	x: 1.988 m η = 0.3	x: 1.988 m η = 6.9	x: 1.988 m η = 10.9	x: 1.988 m η = 10.5	**CUMPLE** **η = 10.9**
N50/N96	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.473 m η = 3.5	x: 0.473 m η = 4.1	η = 2.0	x: 1.986 m η = 1.0	x: 0.095 m η = 3.3	η = 0.1	x: 1.985 m η = 0.1	x: 1.986 m η = 1.4	x: 0.095 m η = 4.2	x: 1.985 m η < 0.1	x: 0.095 m η = 0.2	x: 0.095 m η = 9.1	x: 0.095 m η = 7.0	x: 0.095 m η = 6.6	**CUMPLE** **η = 9.1**
N50/N94	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.906 m η = 3.1	x: 0.096 m η = 10.5	η = 1.3	x: 1.907 m η = 2.0	x: 1.907 m η = 4.8	η = 0.3	x: 1.906 m η = 0.3	x: 1.907 m η = 2.2	x: 1.907 m η = 5.2	x: 1.907 m η = 0.1	x: 1.907 m η = 0.3	x: 1.907 m η = 4.9	x: 1.907 m η = 14.2	x: 1.907 m η = 13.4	**CUMPLE** **η = 14.2**
N52/N94	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.903 m η = 4.3	x: 0.097 m η = 2.9	η = 1.6	x: 1.904 m η = 0.8	x: 1.904 m η = 3.8	η = 0.2	x: 0.097 m η = 0.1	x: 0.097 m η = 1.2	x: 1.904 m η = 4.4	x: 0.097 m η < 0.1	x: 1.903 m η = 0.2	x: 1.904 m η = 9.6	x: 0.097 m η = 6.2	x: 1.904 m η = 7.7	**CUMPLE** **η = 9.6**
N52/N92	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.804 m η = 3.7	x: 0.098 m η = 13.2	η = 1.7	x: 1.805 m η = 2.5	x: 1.805 m η = 4.1	x: 0.952 m η = 0.3	x: 1.804 m η = 0.3	x: 1.805 m η = 2.8	x: 1.805 m η = 4.7	x: 1.805 m η = 0.1	x: 1.805 m η = 0.2	N.P.[1]	x: 1.805 m η = 17.5	x: 1.805 m η = 16.5	**CUMPLE** **η = 17.5**
N54/N92	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.797 m η = 7.0	x: 0.098 m η = 3.9	η = 1.4	x: 1.798 m η = 0.8	x: 1.798 m η = 5.5	x: 1.797 m η = 0.3	x: 0.098 m η = 0.1	x: 1.798 m η = 1.4	x: 1.798 m η = 5.5	x: 0.098 m η < 0.1	x: 1.798 m η = 0.3	x: 1.586 m η = 12.3	x: 1.586 m η = 6.2	x: 1.798 m η = 11.6	**CUMPLE** **η = 12.3**
N54/N90	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.654 m η = 4.9	x: 0.101 m η = 19.3	η = 0.9	x: 0.101 m η = 3.0	x: 1.655 m η = 8.0	η = 0.5	x: 1.654 m η = 0.4	x: 0.101 m η = 3.0	x: 1.655 m η = 8.4	x: 1.655 m η = 0.1	x: 1.655 m η = 0.7	x: 1.655 m η = 8.5	x: 1.655 m η = 27.0	x: 1.655 m η = 25.6	**CUMPLE** **η = 27.0**
N56/N90	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.648 m η = 7.0	x: 0.101 m η = 3.4	η = 1.4	x: 1.649 m η = 0.8	x: 0.101 m η = 5.1	x: 0.682 m η = 0.5	x: 0.101 m η = 0.1	x: 1.649 m η = 1.1	x: 0.101 m η = 5.2	x: 1.648 m η < 0.1	x: 0.101 m η = 0.3	x: 1.649 m η = 11.1	x: 1.649 m η = 5.4	x: 0.101 m η = 9.9	**CUMPLE** **η = 11.1**
N56/N88	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.551 m η = 4.8	x: 0.104 m η = 20.0	x: 1.551 m η = 1.5	x: 1.552 m η = 4.0	x: 0.104 m η = 6.4	x: 0.466 m η = 0.7	x: 1.551 m η = 0.6	x: 1.552 m η = 4.0	x: 0.104 m η = 6.7	x: 1.552 m η = 0.2	x: 0.104 m η = 0.5	x: 0.104 m η = 7.3	x: 0.104 m η = 26.3	x: 0.104 m η = 25.3	**CUMPLE** **η = 26.3**
N58/N88	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.539 m η = 7.9	x: 0.104 m η = 3.3	η = 0.9	x: 1.54 m η = 1.7	x: 1.54 m η = 3.0	η = 0.3	x: 0.104 m η = 0.2	x: 1.54 m η = 1.8	x: 0.104 m η = 3.2	x: 1.539 m η < 0.1	x: 0.104 m η = 0.1	x: 1.54 m η = 11.7	x: 1.54 m η = 4.0	x: 1.54 m η = 10.4	**CUMPLE** **η = 11.7**
N58/N86	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.563 m η = 2.8	x: 0.106 m η = 11.7	η = 1.5	x: 0.106 m η = 3.1	x: 0.106 m η = 4.9	η = 0.4	x: 1.563 m η = 0.4	x: 0.106 m η = 3.3	x: 0.106 m η = 5.5	x: 0.106 m η = 0.1	x: 0.106 m η = 0.3	x: 1.564 m η = 4.6	x: 0.106 m η = 16.3	x: 0.106 m η = 15.8	**CUMPLE** **η = 16.3**
N60/N86	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.565 m η = 2.8	x: 0.106 m η = 5.8	η = 0.7	x: 0.106 m η = 2.1	x: 1.566 m η = 4.7	x: 0.471 m η = 0.5	x: 1.565 m η = 0.2	x: 0.106 m η = 2.3	x: 1.566 m η = 4.8	x: 0.106 m η = 0.1	x: 1.566 m η = 0.2	x: 1.566 m η = 8.2	x: 1.566 m η = 9.5	x: 1.566 m η = 9.1	**CUMPLE** **η = 9.5**
N60/N84	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.572 m η = 4.4	x: 0.106 m η = 3.7	η = 2.1	x: 0.106 m η = 1.1	x: 0.106 m η = 5.4	η = 0.4	x: 1.572 m η = 0.2	x: 0.106 m η = 1.4	x: 0.106 m η = 6.2	x: 0.106 m η < 0.1	x: 0.106 m η = 0.4	x: 0.106 m η = 10.4	x: 0.106 m η = 8.6	x: 0.106 m η = 8.5	**CUMPLE** **η = 10.4**
N62/N84	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.571 m η = 3.8	x: 0.106 m η = 21.7	η = 0.5	x: 0.106 m η = 3.9	x: 1.572 m η = 7.6	η = 0.6	x: 1.571 m η = 0.5	x: 0.106 m η = 4.1	x: 1.572 m η = 7.7	x: 0.106 m η = 0.2	x: 1.572 m η = 0.6	N.P.[1]	x: 1.572 m η = 27.3	x: 0.106 m η = 26.5	**CUMPLE** **η = 27.3**
N62/N82	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.563 m η = 16.3	x: 0.106 m η = 4.8	x: 1.381 m η = 2.8	x: 1.564 m η = 1.9	x: 0.106 m η = 4.9	x: 1.381 m η = 0.5	x: 0.106 m η = 0.2	x: 1.564 m η = 2.2	x: 0.106 m η = 6.1	x: 1.563 m η < 0.1	x: 0.106 m η = 0.4	x: 1.564 m η = 20.0	x: 1.564 m η = 6.1	x: 1.564 m η = 18.7	**CUMPLE** **η = 20.0**
N64/N82	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.56 m η = 7.0	x: 0.106 m η = 39.2	η = 0.4	x: 0.106 m η = 5.4	x: 1.561 m η = 9.6	x: 0.47 m η = 0.7	x: 1.56 m η = 0.7	x: 0.106 m η = 5.4	x: 1.561 m η = 9.6	x: 0.106 m η = 0.3	x: 1.561 m η = 0.9	x: 0.106 m η = 9.3	x: 1.561 m η = 47.8	x: 1.561 m η = 46.0	**CUMPLE** **η = 47.8**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N64/N80	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.535 m η = 29.9	x: 0.107 m η = 9.0	x: 1 m η = 3.8	x: 1.536 m η = 3.5	x: 1.536 m η = 3.9	x: 0.643 m η = 0.5	x: 0.107 m η = 0.5	x: 1.536 m η = 3.7	x: 1.536 m η = 5.5	x: 1.536 m η = 0.1	x: 1.536 m η = 0.3	x: 1.536 m η = 37.2	x: 1.536 m η = 11.1	x: 1.536 m η = 34.9	**CUMPLE η = 37.2**
N66/N80	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.53 m η = 10.3	x: 0.107 m η = 58.0	x: 0.641 m η = 0.4	x: 1.531 m η = 7.6	x: 1.531 m η = 12.2	x: 0.641 m η = 1.0	x: 1.53 m η = 1.0	x: 1.531 m η = 7.7	x: 1.531 m η = 12.4	x: 1.531 m η = 0.6	x: 1.531 m η = 1.6	x: 0.107 m η = 13.8	x: 1.531 m η = 70.4	x: 1.531 m η = 67.7	**CUMPLE η = 70.4**
N66/N78	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.49 m η = 46.3	x: 0.109 m η = 13.7	x: 0.109 m η = 5.1	x: 0.109 m η = 5.7	x: 1.491 m η = 2.4	η = 0.2	x: 0.109 m η = 0.8	x: 0.109 m η = 5.8	x: 0.109 m η = 4.5	x: 0.109 m η = 0.3	x: 0.109 m η = 0.2	x: 1.491 m η = 56.0	x: 1.491 m η = 16.8	x: 1.491 m η = 53.5	**CUMPLE η = 56.0**
N68/N78	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.482 m η = 12.6	x: 0.109 m η = 70.6	x: 1.025 m η = 2.9	x: 1.483 m η = 6.2	x: 1.483 m η = 17.1	x: 1.025 m η = 2.3	x: 1.482 m η = 0.4	x: 1.483 m η = 6.4	x: 1.483 m η = 18.3	x: 1.483 m η = 0.4	x: 1.483 m η = 3.4	x: 0.338 m η = 15.8	x: 1.483 m η = 81.5	x: 1.483 m η = 78.5	**CUMPLE η = 81.5**
N68/N76	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.57 m η = 3.0	x: 0.141 m η = 8.8	x: 0.57 m η = 2.9	x: 1.428 m η = 1.5	x: 1.428 m η = 4.1	η = 0.3	x: 1.427 m η = 0.2	x: 1.428 m η = 2.3	x: 1.428 m η = 4.5	x: 1.427 m η = 0.1	x: 1.428 m η = 0.2	x: 0.141 m η = 8.3	x: 1.428 m η = 15.2	x: 1.428 m η = 14.2	**CUMPLE η = 15.2**
N7/N76	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.384 m η = 10.3	x: 0.11 m η = 3.4	x: 0.96 m η = 3.3	x: 0.11 m η = 4.1	x: 0.11 m η = 11.4	x: 0.96 m η = 1.6	x: 0.11 m η = 0.5	x: 0.11 m η = 4.6	x: 0.11 m η = 12.8	x: 0.11 m η = 0.2	x: 0.11 m η = 1.7	x: 0.11 m η = 27.6	x: 0.11 m η = 17.4	x: 0.11 m η = 21.7	**CUMPLE η = 27.6**
N7/N74	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.291 m η = 5.4	x: 0.112 m η = 26.4	η = 1.9	x: 1.292 m η = 3.8	x: 0.112 m η = 7.5	η = 0.8	x: 1.291 m η = 0.5	x: 1.292 m η = 4.5	x: 0.112 m η = 8.2	x: 1.292 m η = 0.2	x: 0.112 m η = 0.7	x: 1.292 m η = 10.3	x: 1.292 m η = 38.1	x: 1.292 m η = 35.0	**CUMPLE η = 38.1**
N12/N74	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.46 m η = 20.9	x: 0.206 m η = 6.9	η = 3.0	x: 0.206 m η = 1.5	x: 1.461 m η = 5.7	η = 0.6	x: 0.206 m η = 0.2	x: 1.461 m η = 2.2	x: 1.461 m η = 6.4	x: 1.46 m η < 0.1	x: 1.461 m η = 0.4	x: 1.461 m η = 31.6	x: 1.461 m η = 11.0	x: 1.461 m η = 28.2	**CUMPLE η = 31.6**
N12/N72	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.045 m η = 0.4	x: 0.201 m η = 2.9	η = 1.8	x: 0.201 m η = 1.9	x: 0.201 m η = 17.0	η = 3.1	x: 1.045 m η = 0.4	x: 0.201 m η = 1.9	x: 0.201 m η = 17.7	x: 0.201 m η < 0.1	x: 0.201 m η = 3.2	x: 1.046 m η = 3.2	x: 0.201 m η = 20.0	x: 0.201 m η = 22.4	**CUMPLE η = 22.4**
N12/N73	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.921 m η = 2.3	x: 0.085 m η = 1.0	x: 0.504 m η = 2.5	x: 0.922 m η = 3.7	x: 0.085 m η = 15.0	x: 0.504 m η = 2.8	x: 0.085 m η = 0.8	x: 0.922 m η = 3.8	x: 0.085 m η = 16.0	x: 0.922 m η = 0.1	x: 0.085 m η = 2.6	x: 0.085 m η = 22.8	x: 0.922 m η = 4.0	x: 0.085 m η = 19.2	**CUMPLE η = 22.8**
N70/N74	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.986 m η = 1.5	x: 0.086 m η = 0.3	x: 0.537 m η = 2.0	x: 0.086 m η = 11.2	x: 0.987 m η = 10.0	η = 1.3	x: 0.086 m η = 2.3	x: 0.086 m η = 11.3	x: 0.987 m η = 10.1	x: 0.086 m η = 1.3	x: 0.987 m η = 1.0	x: 0.987 m η = 27.9	x: 0.987 m η = 8.1	x: 0.987 m η = 19.9	**CUMPLE η = 27.9**
N7/N75	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.106 m η = 1.9	x: 0.085 m η = 2.9	x: 0.255 m η = 4.1	x: 0.085 m η = 5.6	x: 1.106 m η = 5.3	x: 0.255 m η = 0.4	x: 1.106 m η = 1.1	x: 0.085 m η = 5.7	x: 1.106 m η = 7.0	x: 0.085 m η = 0.3	x: 1.106 m η = 0.5	x: 1.106 m η = 5.6	x: 1.106 m η = 11.9	x: 1.106 m η = 10.0	**CUMPLE η = 11.9**
N69/N76	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.07 m η = 0.6	x: 0.085 m η = 1.9	η = 1.0	x: 1.071 m η = 4.4	x: 1.071 m η = 10.6	x: 0.578 m η = 1.4	x: 1.07 m η = 0.9	x: 1.071 m η = 4.6	x: 1.071 m η = 10.8	x: 1.071 m η = 0.2	x: 1.071 m η = 1.2	x: 1.071 m η = 6.2	x: 1.071 m η = 14.4	x: 1.071 m η = 14.1	**CUMPLE η = 14.4**
N68/N77	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.108 m η = 0.8	x: 0.085 m η = 4.3	x: 0.597 m η = 3.8	x: 1.109 m η = 4.6	x: 1.109 m η = 12.8	x: 0.597 m η = 2.0	x: 0.085 m η = 0.6	x: 1.109 m η = 4.6	x: 1.109 m η = 14.3	x: 1.109 m η = 0.2	x: 1.109 m η = 2.1	x: 1.109 m η = 4.9	x: 1.109 m η = 18.4	x: 1.109 m η = 17.3	**CUMPLE η = 18.4**
N67/N78	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.15 m η = 1.0	x: 0.085 m η = 0.2	x: 0.618 m η = 3.4	x: 0.085 m η = 22.9	x: 1.151 m η = 16.4	x: 0.618 m η = 2.2	x: 0.085 m η = 4.0	x: 0.085 m η = 23.3	x: 1.151 m η = 17.9	x: 0.085 m η = 5.6	x: 1.151 m η = 3.2	x: 1.151 m η = 33.2	x: 1.151 m η = 21.8	x: 0.085 m η = 29.6	**CUMPLE η = 33.2**
N66/N79	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.175 m η = 1.0	x: 0.085 m η = 0.2	η = 1.5	x: 1.176 m η = 15.8	x: 1.176 m η = 8.2	x: 0.449 m η = 0.8	x: 0.085 m η = 2.7	x: 1.176 m η = 16.1	x: 1.176 m η = 8.4	x: 1.176 m η = 2.7	x: 1.176 m η = 0.7	x: 1.176 m η = 21.7	x: 1.176 m η = 11.6	x: 1.176 m η = 20.8	**CUMPLE η = 21.7**
N65/N80	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.208 m η = 3.1	x: 0.085 m η = 0.5	x: 0.272 m η = 3.7	x: 0.085 m η = 13.4	x: 1.209 m η = 7.4	x: 0.272 m η = 0.6	x: 0.085 m η = 2.3	x: 0.085 m η = 13.9	x: 1.209 m η = 9.0	x: 0.085 m η = 2.0	x: 1.209 m η = 0.8	x: 0.085 m η = 21.1	x: 1.209 m η = 12.1	x: 0.085 m η = 19.8	**CUMPLE η = 21.1**
N64/N81	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.221 m η = 0.3	x: 0.085 m η = 0.4	η = 1.3	x: 1.222 m η = 10.2	x: 1.222 m η = 4.0	η = 0.1	x: 0.085 m η = 1.7	x: 1.222 m η = 10.5	x: 1.222 m η = 4.3	x: 1.222 m η = 1.1	x: 1.221 m η = 0.2	x: 1.222 m η = 14.0	x: 0.085 m η = 8.1	x: 1.222 m η = 12.9	**CUMPLE η = 14.0**
N63/N82	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.243 m η = 2.0	x: 0.085 m η = 0.4	η = 2.3	x: 0.085 m η = 8.1	x: 1.244 m η = 6.3	η = 0.4	x: 0.085 m η = 1.3	x: 0.085 m η = 8.5	x: 1.244 m η = 7.3	x: 0.085 m η = 0.7	x: 1.244 m η = 0.5	x: 1.244 m η = 14.6	x: 1.244 m η = 9.8	x: 0.085 m η = 12.1	**CUMPLE η = 14.6**
N62/N83	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.33 m η = 0.2	x: 0.085 m η = 0.8	η = 1.8	x: 1.33 m η = 4.7	x: 0.085 m η = 3.0	η = 0.1	x: 0.085 m η = 0.7	x: 1.33 m η = 4.8	x: 0.085 m η = 3.7	x: 1.33 m η = 0.2	x: 0.085 m η = 0.1	x: 1.33 m η = 7.0	x: 0.085 m η = 6.8	x: 1.33 m η = 6.8	**CUMPLE η = 7.0**
N61/N84	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.253 m η = 1.4	x: 0.085 m η = 0.6	η = 1.2	x: 0.085 m η = 3.5	x: 1.254 m η = 5.4	η = 0.3	x: 0.085 m η = 0.6	x: 0.085 m η = 3.6	x: 1.254 m η = 5.8	x: 0.085 m η = 0.1	x: 1.254 m η = 0.3	x: 1.254 m η = 8.9	x: 1.254 m η = 6.6	x: 1.254 m η = 7.0	**CUMPLE η = 8.9**
N60/N85	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.332 m η = 0.3	x: 0.085 m η = 1.1	x: 1.332 m η = 2.7	x: 0.085 m η = 1.3	x: 0.085 m η = 2.2	η = 0.1	x: 0.085 m η = 0.2	x: 0.085 m η = 1.9	x: 0.085 m η = 3.4	x: 0.085 m η < 0.1	x: 0.085 m η = 0.1	x: 1.332 m η = 5.3	x: 1.332 m η = 5.3	x: 0.085 m η = 3.4	**CUMPLE η = 5.3**
N59/N86	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.242 m η = 1.6	x: 0.085 m η = 0.9	η = 1.3	x: 1.243 m η = 2.0	x: 1.243 m η = 3.5	η = 0.2	x: 1.242 m η = 0.3	x: 1.243 m η = 2.4	x: 1.243 m η = 3.6	x: 1.243 m η = 0.1	x: 1.243 m η = 0.1	x: 1.243 m η = 6.3	x: 1.243 m η = 5.1	x: 1.243 m η = 4.8	**CUMPLE η = 6.3**
N58/N87	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.311 m η = 0.3	x: 0.085 m η = 1.3	x: 1.107 m η = 3.0	x: 0.085 m η = 2.5	x: 0.085 m η = 1.6	η = 0.1	x: 1.311 m η = 0.4	x: 0.085 m η = 2.8	x: 0.085 m η = 2.9	x: 0.085 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 4.2	x: 0.085 m η = 5.5	x: 0.085 m η = 4.7	**CUMPLE η = 5.5**
N57/N88	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.251 m η = 1.0	x: 0 m η = 0.4	η = 1.5	x: 1.252 m η = 4.8	x: 1.252 m η = 2.3	x: 0.834 m η = 0.3	x: 1.251 m η = 0.7	x: 1.252 m η = 5.1	x: 1.252 m η = 2.5	x: 1.252 m η = 0.3	x: 1.252 m η = 0.1	x: 0 m η = 8.5	x: 1.252 m η = 5.0	x: 1.252 m η = 7.0	**CUMPLE η = 8.5**
N56/N89	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.329 m η = 4.9	x: 0.079 m η = 1.6	η = 3.1	x: 1.33 m η = 3.4	x: 0.079 m η = 2.3	x: 0.288 m η = 0.3	x: 1.329 m η = 0.5	x: 1.33 m η = 3.7	x: 0.079 m η = 2.6	x: 1.33 m η = 0.1	x: 0.079 m η = 0.1	x: 1.33 m η = 11.7	x: 0.079 m η = 3.1	x: 1.33 m η = 9.4	**CUMPLE η = 11.7**
N55/N90	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.376 m η = 0.5	x: 0 m η < 0.1	x: 0.689 m η = 2.0	x: 1.377 m η = 3.1	x: 1.377 m η = 5.9	x: 0.689 m η = 0.6	x: 1.376 m η = 0.5	x: 1.377 m η = 3.5	x: 1.377 m η = 6.7	x: 1.377 m η = 0.1	x: 1.377 m η = 0.5	x: 1.377 m η = 11.1	x: 1.377 m η = 3.3	x: 1.377 m η = 7.7	**CUMPLE η = 11.1**
N54/N91	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.48 m η = 3.8	x: 0.085 m η = 1.3	η = 3.2	x: 1.481 m η = 3.5	x: 1.481 m η = 2.9	η = 0.2	x: 1.48 m η = 0.5	x: 1.481 m η = 4.0	x: 0.085 m η = 3.5	x: 1.481 m η = 0.2	x: 0.085 m η = 0.1	x: 1.481 m η = 9.4	x: 0.085 m η = 6.0	x: 1.481 m η = 8.2	**CUMPLE η = 9.4**
N53/N92	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.549 m η = 0.6	x: 0 m η = 0.2	η = 1.3	x: 1.55 m η = 2.2	x: 1.55 m η = 5.9	η = 0.4	x: 1.549 m η = 0.3	x: 1.55 m η = 2.6	x: 1.55 m η = 6.3	x: 1.55 m η = 0.1	x: 1.55 m η = 0.4	x: 1.55 m η = 10.4	x: 1.55 m η = 5.9	x: 1.55 m η = 7.8	**CUMPLE η = 10.4**
N52/N93	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.609 m η = 2.0	x: 0.089 m η = 0.7	η = 2.0	x: 1.61 m η = 2.1	x: 1.61 m η = 4.3	η = 0.1	x: 1.609 m η = 0.3	x: 1.61 m η = 2.4	x: 1.61 m η = 5.1	x: 1.61 m η = 0.1	x: 1.61 m η = 0.3	x: 1.61 m η = 8.7	x: 1.61 m η = 2.3	x: 1.61 m η = 5.7	**CUMPLE η = 8.7**
N51/N94	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.66 m η = 0.5	x: 0 m η = 0.3	η = 1.1	x: 1.661 m η = 1.6	x: 1.661 m η = 5.4	η = 0.2	x: 1.66 m η = 0.2	x: 1.661 m η = 1.7	x: 1.661 m η = 5.5	x: 1.66 m η < 0.1	x: 1.661 m η = 0.3	x: 1.661 m η = 8.1	x: 1.661 m η = 4.8	x: 1.661 m η = 7.0	**CUMPLE η = 8.1**
N50/N95	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.715 m η = 1.7	x: 0.093 m η = 0.7	x: 0.905 m η = 1.4	x: 1.716 m η = 1.5	x: 1.716 m η = 4.0	η = 0.1	x: 1.715 m η = 0.2	x: 1.716 m η = 1.6	x: 1.716 m η = 4.4	x: 1.715 m η < 0.1	x: 1.715 m η = 0.2	x: 1.716 m η = 6.9	x: 1.716 m η = 5.3	x: 1.716 m η = 5.1	**CUMPLE η = 6.9**
N49/N96	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.75 m η = 0.5	x: 0 m η = 0.4	η = 1.5	x: 1.751 m η = 1.2	x: 1.751 m η = 4.7	η = 0.1	x: 1.75 m η = 0.1	x: 1.751 m η = 1.6	x: 1.751 m η = 5.0	x: 1.75 m η < 0.1	x: 1.751 m η = 0.2	x: 1.751 m η = 7.3	x: 1.751 m η = 4.6	x: 1.751 m η = 5.9	**CUMPLE η = 7.3**
N48/N97	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.799 m η = 1.5	x: 0.096 m η = 0.6	η = 1.2	x: 1.8 m η = 1.1	x: 0.096 m η = 3.5	η = 0.1	x: 1.799 m η = 0.1	x: 1.8 m η = 1.4	x: 0.096 m η = 3.5	x: 1.799 m η < 0.1	x: 0.096 m η = 0.1	x: 1.8 m η = 4.9	x: 0.096 m η = 3.9	x: 0.096 m η = 4.6	**CUMPLE η = 4.9**
N47/N98	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.819 m η = 0.4	x: 0 m η = 0.6	η = 1.7	x: 1.82 m η = 1.2	x: 1.82 m η = 5.0	η = 0.1	x: 1.819 m η = 0.1	x: 1.82 m η = 1.7	x: 1.82 m η = 5.7	x: 1.819 m η < 0.1	x: 1.82 m η = 0.3	x: 1.82 m η = 7.6	x: 1.82 m η = 6.5	x: 1.82 m η = 6.3	**CUMPLE η = 7.6**
N46/N99	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.862 m η = 1.3	x: 0.098 m η = 0.5	x: 0.981 m η = 1.6	x: 1.863 m η = 1.1	x: 1.863 m η = 4.3	η < 0.1	x: 1.862 m η = 0.1	x: 1.863 m η = 1.5	x: 1.863 m η = 4.9	x: 1.862 m η < 0.1	x: 1.862 m η = 0.2	x: 1.863 m η = 7.4	x: 1.863 m η = 5.7	x: 1.863 m η = 5.8	**CUMPLE η = 7.4**
N45/N100	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.86 m η = 0.3	x: 0 m η = 0.5	x: 0.93 m η = 2.7	x: 1.861 m η = 1.2	x: 1.861 m η = 6.9	η = 0.2	x: 1.86 m η = 0.1	x: 0 m η = 1.8	x: 1.861 m η = 8.0	x: 0 m η < 0.1	x: 1.861 m η = 0.6	x: 1.861 m η = 11.6	x: 1.861 m η = 9.1	x: 1.861 m η = 8.7	**CUMPLE η = 11.6**
N44/N101	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.899 m η = 1.3	x: 0.099 m η = 0.5	x: 0.999 m η = 3.1	x: 1.9 m η = 1.2	x: 1.9 m η = 7.5	η = 0.2	x: 1.899 m η = 0.1	x: 0.099 m η = 1.5	x: 1.9 m η = 8.7	x: 0.099 m η < 0.1	x: 1.9 m η = 0.8	x: 1.9 m η = 12.8	x: 1.9 m η = 10.2	x: 1.9 m η = 9.5	**CUMPLE η = 12.8**
N43/N102	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.888 m η = 0.4	x: 0 m η = 1.0	x: 1.888 m η = 4.0	x: 0 m η = 1.2	x: 1.889 m η = 12.7	x: 0.189 m η = 0.7	x: 0 m η = 0.1	x: 1.889 m η = 2.4	x: 1.889 m η = 14.4	x: 1.888 m η = 0.1	x: 1.889 m η = 2.1	x: 1.889 m η = 19.4	x: 1.889 m η = 16.6	x: 1.889 m η = 16.0	**CUMPLE η = 19.4**
N42/N103	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.913 m η = 1.6	x: 0.085 m η = 0.6	x: 0.451 m η = 4.5	x: 0.085 m η = 1.3	x: 1.914 m η = 15.6	x: 0.999 m η = 1.0	x: 0.085 m η = 0.1	x: 1.914 m η = 2.3	x: 1.914 m η = 17.5	x: 1.913 m η = 0.1	x: 1.914 m η = 3.1	x: 1.914 m η = 24.2	x: 1.914 m η = 20.0	x: 1.914 m η = 19.9	**CUMPLE η = 24.2**
N41/N104	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.889 m η = 0.4	x: 0 m η = 1.0	x: 0.378 m η = 3.3	x: 1.89 m η = 1.4	x: 1.89 m η = 24.8	x: 0.756 m η = 1.9	x: 1.889 m η = 0.1	x: 1.89 m η = 2.0	x: 1.89 m η = 26.2	x: 1.889 m η < 0.1	x: 1.89 m η = 6.9	x: 1.89 m η = 34.9	x: 1.89 m η = 26.5	x: 1.89 m η = 31.1	**CUMPLE η = 34.9**
N40/N105	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.899 m η = 2.4	x: 0.099 m η = 2.3	η = 1.2	x: 1.9 m η = 1.7	x: 1.9 m η = 16.6	x: 0.819 m η = 1.3	x: 1.899 m η = 0.2	x: 1.9 m η = 2.0	x: 1.9 m η = 16.6	x: 1.899 m η < 0.1	x: 1.9 m η = 2.8	x: 1.9 m η = 23.5	x: 1.9 m η = 17.9	x: 1.9 m η = 23.1	**CUMPLE η = 23.5**
N39/N106	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.853 m η = 0.3	x: 0 m η = 0.5	η = 3.3	x: 0 m η = 1.9	x: 1.854 m η = 24.1	η = 1.8	x: 0 m η = 0.2	x: 0 m η = 2.9	x: 1.854 m η = 25.6	x: 0 m η = 0.1	x: 1.854 m η = 6.6	x: 1.854 m η = 34.2	x: 1.854 m η = 26.0	x: 1.854 m η = 30.3	**CUMPLE η = 34.2**
N38/N107	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.862 m η = 1.3	x: 0.098 m η = 0.5	η = 3.4	x: 1.863 m η = 2.0	x: 1.863 m η = 16.9	x: 0.319 m η = 1.1	x: 1.862 m η = 0.2	x: 1.863 m η = 2.8	x: 1.863 m η = 18.3	x: 1.863 m η = 0.1	x: 1.863 m η = 3.4	x: 1.863 m η = 24.4	x: 1.863 m η = 20.1	x: 1.863 m η = 21.3	**CUMPLE η = 24.4**
N37/N108	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.815 m η = 0.3	x: 0 m η = 0.6	η = 3.9	x: 1.816 m η = 2.1	x: 1.816 m η = 14.5	x: 0 m η = 0.8	x: 1.815 m η = 0.2	x: 1.816 m η = 3.3	x: 1.816 m η = 16.2	x: 1.816 m η = 0.1	x: 1.816 m η = 2.6	x: 1.816 m η = 22.5	x: 1.816 m η = 17.1	x: 1.816 m η = 18.2	**CUMPLE η = 22.5**
N36/N109	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.799 m η = 1.6	x: 0.096 m η = 0.6	x: 0.948 m η = 2.6	x: 1.8 m η = 2.3	x: 1.8 m η = 9.1	η = 0.3	x: 1.799 m η = 0.3	x: 1.8 m η = 3.0	x: 1.8 m η = 10.1	x: 1.8 m η = 0.1	x: 1.8 m η = 1.0	x: 1.8 m η = 14.3	x: 1.8 m η = 11.4	x: 1.8 m η = 11.4	**CUMPLE η = 14.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N35/N110	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.746 m η = 0.4	x: 0 m η = 0.5	η = 2.8	x: 1.747 m η = 2.4	x: 1.747 m η = 8.8	η = 0.3	x: 1.746 m η = 0.3	x: 1.747 m η = 3.3	x: 1.747 m η = 9.8	x: 1.747 m η = 0.1	x: 1.747 m η = 1.0	x: 1.747 m η = 14.0	x: 0.874 m η = 8.0	x: 1.747 m η = 11.0	**CUMPLE η = 14.0**
N34/N111	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.715 m η = 1.8	x: 0.093 m η = 0.7	η = 2.3	x: 1.716 m η = 2.7	x: 1.716 m η = 6.3	η = 0.1	x: 1.715 m η = 0.3	x: 1.716 m η = 3.2	x: 1.716 m η = 6.4	x: 1.716 m η = 0.1	x: 1.716 m η = 0.4	x: 1.716 m η = 8.8	x: 1.716 m η = 6.8	x: 1.716 m η = 8.0	**CUMPLE η = 8.8**
N33/N112	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.654 m η = 0.9	x: 0 m η = 1.0	η = 2.5	x: 1.655 m η = 2.8	x: 1.655 m η = 7.3	η = 0.3	x: 1.654 m η = 0.3	x: 1.655 m η = 3.4	x: 1.655 m η = 7.6	x: 1.655 m η = 0.1	x: 1.655 m η = 0.6	x: 1.655 m η = 11.0	x: 0.828 m η = 5.6	x: 1.655 m η = 9.2	**CUMPLE η = 11.0**
N32/N113	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.609 m η = 2.0	x: 0.089 m η = 0.9	η = 2.1	x: 1.61 m η = 2.3	x: 1.61 m η = 5.2	η = 0.2	x: 1.609 m η = 0.3	x: 1.61 m η = 2.9	x: 1.61 m η = 5.7	x: 1.61 m η = 0.1	x: 1.61 m η = 0.3	x: 1.61 m η = 9.3	x: 1.61 m η = 6.1	x: 1.61 m η = 6.8	**CUMPLE η = 9.3**
N31/N114	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.542 m η = 1.3	x: 0 m η = 1.3	x: 0.579 m η = 2.0	x: 1.543 m η = 2.2	x: 1.543 m η = 6.3	η = 0.3	x: 1.542 m η = 0.3	x: 1.543 m η = 2.4	x: 1.543 m η = 6.4	x: 1.543 m η = 0.1	x: 1.543 m η = 0.4	x: 1.543 m η = 9.9	x: 0 m η = 5.0	x: 1.543 m η = 8.2	**CUMPLE η = 9.9**
N30/N115	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.48 m η = 4.0	x: 0.085 m η = 1.4	x: 0.318 m η = 2.4	x: 1.481 m η = 3.3	x: 1.481 m η = 4.8	η = 0.5	x: 1.48 m η = 0.5	x: 1.481 m η = 3.6	x: 1.481 m η = 5.8	x: 1.481 m η = 0.1	x: 1.481 m η = 0.3	x: 1.481 m η = 10.4	x: 1.248 m η = 5.6	x: 1.481 m η = 8.3	**CUMPLE η = 10.4**
N29/N116	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.368 m η = 0.8	x: 0 m η = 0.6	η = 1.5	x: 1.369 m η = 3.4	x: 1.369 m η = 4.5	η = 0.4	x: 1.368 m η = 0.5	x: 1.369 m η = 3.8	x: 1.369 m η = 4.7	x: 1.369 m η = 0.1	x: 1.369 m η = 0.2	x: 1.369 m η = 8.7	x: 0 m η = 4.5	x: 1.369 m η = 6.3	**CUMPLE η = 8.7**
N28/N117	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.329 m η = 4.8	x: 0.079 m η = 1.6	η = 3.1	x: 1.33 m η = 3.4	x: 1.33 m η = 2.3	η = 0.3	x: 1.329 m η = 0.5	x: 1.33 m η = 3.9	x: 1.33 m η = 3.4	x: 1.33 m η = 0.2	x: 1.329 m η = 0.1	x: 1.33 m η = 10.3	x: 0.079 m η = 3.0	x: 1.33 m η = 9.1	**CUMPLE η = 10.3**
N27/N118	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.621 m η = 1.7	x: 0.621 m η = 1.4	η = 1.6	x: 1.241 m η = 4.9	x: 1.241 m η = 2.2	η = 0.2	x: 1.24 m η = 0.8	x: 1.241 m η = 5.3	x: 1.241 m η = 2.5	x: 1.241 m η = 0.3	x: 1.24 m η = 0.1	x: 1.241 m η = 8.9	x: 0 m η = 4.7	x: 1.241 m η = 7.0	**CUMPLE η = 8.9**
N26/N119	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.225 m η = 0.7	x: 0.085 m η = 1.5	x: 0.656 m η = 3.5	x: 1.226 m η = 3.0	x: 1.226 m η = 2.4	η = 0.2	x: 1.225 m η = 0.5	x: 0.085 m η = 3.3	x: 1.226 m η = 3.0	x: 1.226 m η = 0.1	x: 1.225 m η = 0.1	x: 1.226 m η = 6.5	x: 0.085 m η = 5.8	x: 0.085 m η = 5.0	**CUMPLE η = 6.5**
N25/N120	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.232 m η = 1.7	x: 0.085 m η = 1.0	η = 1.4	x: 1.233 m η = 2.6	x: 1.233 m η = 4.8	x: 1.041 m η = 0.5	x: 1.232 m η = 0.4	x: 1.233 m η = 3.0	x: 1.233 m η = 5.0	x: 1.233 m η = 0.1	x: 1.233 m η = 0.3	x: 1.233 m η = 10.0	x: 1.233 m η = 5.5	x: 1.233 m η = 7.3	**CUMPLE η = 10.0**
N24/N121	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.332 m η = 0.5	x: 0.085 m η = 1.3	x: 1.332 m η = 2.5	x: 0.085 m η = 1.9	x: 1.332 m η = 4.3	x: 1.332 m η = 0.5	x: 0.085 m η = 0.3	x: 0.085 m η = 2.2	x: 1.332 m η = 4.9	x: 0.085 m η < 0.1	x: 1.332 m η = 0.2	x: 1.332 m η = 8.2	x: 1.332 m η = 6.8	x: 1.332 m η = 5.7	**CUMPLE η = 8.2**
N23/N122	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.244 m η = 1.5	x: 0.085 m η = 0.8	η = 2.1	x: 0.085 m η = 3.5	x: 1.245 m η = 5.7	x: 0.858 m η = 0.6	x: 0.085 m η = 0.6	x: 0.085 m η = 3.6	x: 1.245 m η = 6.2	x: 0.085 m η = 0.1	x: 1.245 m η = 0.4	x: 1.245 m η = 10.4	x: 1.245 m η = 8.0	x: 1.245 m η = 7.8	**CUMPLE η = 10.4**
N22/N123	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.33 m η = 0.4	x: 0.085 m η = 0.9	x: 1.123 m η = 2.1	x: 1.33 m η = 4.8	x: 1.33 m η = 3.3	η = 0.3	x: 0.085 m η = 0.8	x: 1.33 m η = 5.0	x: 1.33 m η = 4.2	x: 1.33 m η = 0.3	x: 1.33 m η = 0.2	x: 0.085 m η = 7.1	x: 1.33 m η = 7.4	x: 1.33 m η = 6.9	**CUMPLE η = 7.4**
N21/N124	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.234 m η = 1.7	x: 0.085 m η = 0.5	x: 0.66 m η = 2.9	x: 0.085 m η = 8.3	x: 1.235 m η = 6.0	x: 1.043 m η = 0.5	x: 0.085 m η = 1.4	x: 0.085 m η = 8.6	x: 1.235 m η = 6.9	x: 0.085 m η = 0.8	x: 1.235 m η = 0.5	x: 1.235 m η = 14.7	x: 1.235 m η = 9.1	x: 1.235 m η = 12.0	**CUMPLE η = 14.7**
N20/N125	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.221 m η = 0.5	x: 0.085 m η = 0.5	η = 2.6	x: 1.222 m η = 10.3	x: 1.222 m η = 4.8	η = 0.4	x: 0.085 m η = 1.7	x: 1.222 m η = 10.6	x: 1.222 m η = 5.3	x: 1.222 m η = 1.1	x: 1.222 m η = 0.3	x: 1.222 m η = 14.2	x: 1.222 m η = 10.1	x: 1.222 m η = 13.0	**CUMPLE η = 14.2**
N19/N126	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.201 m η = 2.5	x: 0.085 m η = 0.4	x: 0.085 m η = 4.6	x: 0.085 m η = 13.6	x: 1.202 m η = 7.9	η = 0.6	x: 0.085 m η = 2.3	x: 0.085 m η = 14.1	x: 1.202 m η = 9.6	x: 0.085 m η = 2.0	x: 1.202 m η = 0.9	x: 0.085 m η = 20.8	x: 1.202 m η = 12.9	x: 0.085 m η = 19.5	**CUMPLE η = 20.8**
N18/N127	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.175 m η = 1.0	x: 0.085 m η = 0.4	η = 2.9	x: 1.176 m η = 15.9	x: 1.176 m η = 8.4	x: 0.449 m η = 0.8	x: 0.085 m η = 2.8	x: 1.176 m η = 16.2	x: 1.176 m η = 8.5	x: 1.176 m η = 2.7	x: 1.176 m η = 0.7	x: 1.176 m η = 21.8	x: 1.176 m η = 11.9	x: 1.176 m η = 20.9	**CUMPLE η = 21.8**
N17/N128	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.144 m η = 1.4	x: 0.085 m η = 1.4	η = 3.8	x: 0.085 m η = 23.1	x: 1.145 m η = 16.2	x: 0.615 m η = 2.1	x: 0.085 m η = 4.1	x: 0.085 m η = 23.5	x: 1.145 m η = 17.9	x: 0.085 m η = 5.7	x: 1.145 m η = 3.2	x: 1.145 m η = 32.9	x: 1.145 m η = 24.2	x: 0.085 m η = 29.0	**CUMPLE η = 32.9**
N16/N129	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.108 m η = 0.8	x: 0.085 m η = 4.3	x: 0.256 m η = 3.7	x: 1.109 m η = 4.5	x: 1.109 m η = 12.9	x: 0.256 m η = 1.9	x: 0.085 m η = 0.6	x: 1.109 m η = 4.5	x: 1.109 m η = 14.3	x: 1.109 m η = 0.2	x: 1.109 m η = 2.1	x: 1.109 m η = 4.8	x: 1.109 m η = 18.3	x: 1.109 m η = 17.4	**CUMPLE η = 18.3**
N15/N130	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.066 m η = 0.7	x: 0.085 m η = 2.0	η = 1.4	x: 1.067 m η = 4.4	x: 1.067 m η = 11.8	x: 0.576 m η = 1.5	x: 1.066 m η = 0.9	x: 1.067 m η = 4.6	x: 1.067 m η = 12.2	x: 1.067 m η = 0.2	x: 1.067 m η = 1.5	x: 1.067 m η = 6.1	x: 1.067 m η = 16.0	x: 1.067 m η = 15.6	**CUMPLE η = 16.0**
N6/N131	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.106 m η = 0.3	x: 0.085 m η = 1.2	x: 0.425 m η = 3.9	x: 1.106 m η = 5.6	x: 1.106 m η = 6.0	η = 0.5	x: 1.106 m η = 1.1	x: 1.106 m η = 5.7	x: 1.106 m η = 7.7	x: 1.106 m η = 0.3	x: 1.106 m η = 0.6	x: 1.106 m η = 5.0	x: 1.106 m η = 12.8	x: 1.106 m η = 9.9	**CUMPLE η = 12.8**
N14/N132	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.983 m η = 1.6	x: 0.086 m η = 0.7	x: 0.535 m η = 2.2	x: 0.984 m η = 9.8	x: 0.086 m η = 11.4	η = 2.4	η = 1.3	x: 0.984 m η = 9.9	x: 0.086 m η = 11.5	x: 0.984 m η = 1.0	x: 0.086 m η = 1.4	x: 0.984 m η = 27.7	x: 0.086 m η = 8.9	x: 0.984 m η = 19.8	**CUMPLE η = 27.7**
N5/N133	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.916 m η = 2.4	x: 0.085 m η = 1.0	x: 0.501 m η = 2.5	x: 0.917 m η = 3.7	x: 0.085 m η = 15.9	x: 0.501 m η = 3.0	x: 0.916 m η = 0.8	x: 0.917 m η = 3.8	x: 0.085 m η = 16.9	x: 0.917 m η = 0.1	x: 0.085 m η = 2.9	x: 0.085 m η = 24.2	x: 0.085 m η = 7.2	x: 0.085 m η = 20.3	**CUMPLE η = 24.2**
N145/N139	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.682 m η < 0.1	x: 0.085 m η < 0.1	x: 0.086 m η = 6.9	x: 0.683 m η = 3.7	x: 0.683 m η = 4.1	x: 0.086 m η = 1.6	x: 0.683 m η = 1.3	x: 0.683 m η = 3.8	x: 0.683 m η = 7.1	x: 0.683 m η = 0.2	x: 0.683 m η = 0.5	x: 0.683 m η = 12.3	x: 0.683 m η = 10.3	x: 0.086 m η = 8.6	**CUMPLE η = 12.3**
N139/N146	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.022 m η = 0.6	x: 0.138 m η = 3.7	x: 1.022 m η = 2.9	x: 0.138 m η = 8.7	x: 0.138 m η = 10.7	x: 1.022 m η = 1.0	x: 1.023 m η = 2.4	x: 0.138 m η = 8.7	x: 0.138 m η = 11.9	x: 0.138 m η = 0.8	x: 0.138 m η = 1.4	x: 0.138 m η = 10.7	x: 0.138 m η = 16.7	x: 0.138 m η = 14.7	**CUMPLE η = 16.7**
N147/N148	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.389 m η = 1.9	x: 0.045 m η = 11.4	x: 0.733 m η = 1.4	x: 0.734 m η = 7.3	x: 0.045 m η = 5.6	x: 0.733 m η = 1.8	x: 0.734 m η = 2.3	x: 0.734 m η = 7.4	x: 0.045 m η = 6.2	x: 0.734 m η = 0.6	x: 0.045 m η = 0.4	x: 0.734 m η = 4.9	x: 0.734 m η = 18.9	x: 0.734 m η = 20.5	**CUMPLE η = 20.5**
N148/N149	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.989 m η = 8.8	x: 0.058 m η = 46.1	η = 1.9	x: 0.058 m η = 24.6	x: 0.058 m η = 18.4	η = 1.9	x: 0.058 m η = 5.3	x: 0.058 m η = 24.8	x: 0.058 m η = 18.8	x: 0.058 m η = 6.4	x: 0.058 m η = 3.6	x: 0.058 m η = 15.8	x: 0.058 m η = 71.9	x: 0.058 m η = 76.8	**CUMPLE η = 76.8**
N149/N150	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.979 m η = 8.7	x: 0.045 m η = 45.7	η = 1.8	x: 0.98 m η = 3.5	x: 0.045 m η = 8.9	η = 1.1	x: 0.045 m η = 1.0	x: 0.98 m η = 3.7	x: 0.045 m η = 9.4	x: 0.98 m η = 0.1	x: 0.045 m η = 0.9	x: 0.98 m η = 10.0	x: 0.98 m η = 49.6	x: 0.98 m η = 50.0	**CUMPLE η = 50.0**
N150/N151	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.992 m η = 3.6	x: 0.057 m η = 24.0	η = 2.1	x: 0.057 m η = 1.9	x: 0.057 m η = 3.5	η = 0.5	x: 0.057 m η = 0.5	x: 0.057 m η = 2.1	x: 0.057 m η = 4.4	x: 0.057 m η < 0.1	x: 0.057 m η = 0.2	x: 0.993 m η = 6.2	x: 0.057 m η = 26.4	x: 0.057 m η = 26.4	**CUMPLE η = 26.4**
N151/N152	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.982 m η = 3.6	x: 0.045 m η = 23.7	η = 2.2	x: 0.983 m η = 4.6	x: 0.983 m η = 2.8	η = 0.3	x: 0.045 m η = 1.3	x: 0.983 m η = 4.8	x: 0.983 m η = 3.1	x: 0.983 m η = 0.2	x: 0.982 m η = 0.1	x: 0.983 m η = 7.4	x: 0.983 m η = 28.8	x: 0.983 m η = 29.5	**CUMPLE η = 29.5**
N152/N153	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.526 m η = 7.2	x: 0.526 m η = 13.8	η = 1.4	x: 0.057 m η = 1.2	x: 0.057 m η = 2.7	η = 0.2	x: 0.994 m η = 0.3	x: 0.995 m η = 1.5	x: 0.057 m η = 2.9	x: 0.994 m η < 0.1	x: 0.057 m η = 0.1	x: 0.995 m η = 10.2	x: 0.057 m η = 15.9	x: 0.057 m η = 15.2	**CUMPLE η = 15.9**
N153/N154	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.749 m η = 7.3	x: 0.045 m η = 13.8	η = 1.2	x: 0.984 m η = 5.0	x: 0.045 m η = 2.3	η = 0.1	x: 0.045 m η = 1.2	x: 0.984 m η = 5.1	x: 0.045 m η = 2.4	x: 0.984 m η = 0.3	x: 0.045 m η = 0.1	x: 0.984 m η = 10.8	x: 0.045 m η = 15.8	x: 0.984 m η = 16.2	**CUMPLE η = 16.2**
N154/N155	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.995 m η = 11.1	x: 0.056 m η = 14.3	η = 0.9	x: 0.056 m η = 3.3	x: 0.996 m η = 2.8	η = 0.2	x: 0.995 m η = 0.6	x: 0.056 m η = 3.4	x: 0.996 m η = 2.9	x: 0.056 m η = 0.1	x: 0.995 m η = 0.1	x: 0.996 m η = 13.7	x: 0.056 m η = 16.4	x: 0.996 m η = 15.8	**CUMPLE η = 16.4**
N155/N156	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.984 m η = 11.1	x: 0.045 m η = 14.3	η = 0.7	x: 0.985 m η = 4.8	x: 0.985 m η = 3.5	η = 0.3	x: 0.045 m η = 1.0	x: 0.985 m η = 4.8	x: 0.985 m η = 3.6	x: 0.985 m η = 0.2	x: 0.984 m η = 0.1	x: 0.985 m η = 15.2	x: 0.045 m η = 15.9	x: 0.045 m η = 15.6	**CUMPLE η = 15.9**
N156/N157	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.995 m η = 14.6	x: 0.995 m η = 17.4	η = 0.7	x: 0.057 m η = 4.4	x: 0.057 m η = 4.1	η = 0.3	x: 0.995 m η = 0.9	x: 0.057 m η = 4.5	x: 0.057 m η = 4.3	x: 0.057 m η = 0.2	x: 0.057 m η = 0.2	x: 0.057 m η = 17.5	x: 0.996 m η = 19.2	x: 0.996 m η = 19.2	**CUMPLE η = 19.2**
N157/N158	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.982 m η = 14.6	x: 0.045 m η = 17.4	η = 0.8	x: 0.983 m η = 4.2	x: 0.045 m η = 2.8	η = 0.1	x: 0.045 m η = 0.8	x: 0.983 m η = 4.3	x: 0.045 m η = 3.1	x: 0.983 m η = 0.2	x: 0.045 m η = 0.1	x: 0.983 m η = 18.0	x: 0.045 m η = 18.7	x: 0.045 m η = 18.6	**CUMPLE η = 18.7**
N158/N159	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.93 m η = 17.3	x: 0.93 m η = 22.2	η = 1.0	x: 0.055 m η = 5.4	x: 0.055 m η = 2.8	η = 0.1	x: 0.93 m η = 1.5	x: 0.055 m η = 5.5	x: 0.055 m η = 3.1	x: 0.055 m η = 0.3	x: 0.055 m η = 0.1	x: 0.93 m η = 21.9	x: 0.93 m η = 26.5	x: 0.93 m η = 27.1	**CUMPLE η = 27.1**
N159/N160	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.886 m η = 17.3	x: 0 m η = 22.2	η = 1.0	x: 0 m η = 3.5	x: 0 m η = 2.7	η = 0.1	x: 0 m η = 0.8	x: 0 m η = 3.5	x: 0 m η = 3.0	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 21.6	x: 0 m η = 25.9	x: 0 m η = 26.5	**CUMPLE η = 26.5**
N160/N161	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.953 m η = 18.0	x: 0.953 m η = 25.3	η = 1.3	x: 0.054 m η = 3.3	x: 0.953 m η = 3.0	η = 0.2	x: 0.953 m η = 1.0	x: 0.054 m η = 3.5	x: 0.953 m η = 3.3	x: 0.054 m η = 0.1	x: 0.953 m η = 0.1	x: 0.953 m η = 22.1	x: 0.953 m η = 29.2	x: 0.953 m η = 29.4	**CUMPLE η = 29.4**
N161/N162	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.894 m η = 18.0	x: 0.894 m η = 25.4	η = 1.3	x: 0.895 m η = 3.3	x: 0.895 m η = 3.2	η = 0.2	x: 0 m η = 0.5	x: 0.895 m η = 3.5	x: 0.895 m η = 3.5	x: 0.894 m η = 0.1	x: 0.894 m η = 0.1	x: 0.895 m η = 22.8	x: 0 m η = 28.7	x: 0 m η = 29.1	**CUMPLE η = 29.1**
N162/N163	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.951 m η = 5.6	x: 0.052 m η = 16.2	η = 1.1	x: 0.052 m η = 4.1	x: 0.951 m η = 4.2	η = 0.4	x: 0.951 m η = 1.1	x: 0.052 m η = 4.3	x: 0.951 m η = 4.5	x: 0.052 m η = 0.2	x: 0.951 m η = 0.2	x: 0.052 m η = 11.6	x: 0.052 m η = 19.2	x: 0.052 m η = 19.6	**CUMPLE η = 19.6**
N163/N164	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.891 m η = 5.6	x: 0 m η = 16.2	η = 0.9	x: 0 m η = 1.9	x: 0.892 m η = 5.3	x: 0.891 m η = 0.6	x: 0 m η = 0.8	x: 0 m η = 2.1	x: 0.892 m η = 5.6	x: 0 m η < 0.1	x: 0.892 m η = 0.3	x: 0.892 m η = 8.3	x: 0 m η = 18.4	x: 0 m η = 18.6	**CUMPLE η = 18.6**
N164/N165	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 6.0	x: 0.051 m η = 18.8	η = 1.3	x: 0.051 m η = 2.4	x: 0.051 m η = 5.4	η = 0.6	x: 0.938 m η = 1.0	x: 0.051 m η = 2.5	x: 0.051 m η = 5.6	x: 0.051 m η = 0.1	x: 0.051 m η = 0.3	x: 0.051 m η = 9.7	x: 0.051 m η = 21.5	x: 0.051 m η = 21.8	**CUMPLE η = 21.8**
N165/N166	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.9 m η = 6.0	x: 0 m η = 18.8	η = 1.6	x: 0 m η = 2.0	x: 0.676 m η = 4.8	η = 0.4	x: 0 m η = 0.7	x: 0 m η = 2.0	x: 0.676 m η = 4.9	x: 0 m η < 0.1	x: 0.676 m η = 0.2	x: 0 m η = 6.8	x: 0 m η = 21.1	x: 0 m η = 21.3	**CUMPLE η = 21.3**
N166/N167	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.948 m η = 7.0	x: 0.051 m η = 20.5	η = 1.9	x: 0.948 m η = 2.2	x: 0.948 m η = 5.7	η = 0.2	x: 0.948 m η = 0.9	x: 0.051 m η = 2.2	x: 0.948 m η = 6.0	x: 0.948 m η = 0.1	x: 0.948 m η = 0.4	x: 0.948 m η = 8.1	x: 0.948 m η = 22.9	x: 0.948 m η = 23.2	**CUMPLE η = 23.2**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N167/N168	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.885 m η = 7.0	x: 0 m η = 20.5	η = 1.9	x: 0 m η = 2.0	x: 0.886 m η = 5.7	η = 0.2	x: 0 m η = 0.7	x: 0 m η = 2.0	x: 0.886 m η = 6.0	x: 0 m η < 0.1	x: 0.885 m η = 0.4	x: 0 m η = 7.9	x: 0 m η = 22.7	x: 0 m η = 23.0	**CUMPLE η = 23.0**
N168/N169	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.935 m η = 7.7	x: 0.05 m η = 21.6	η = 1.7	x: 0.935 m η = 2.2	x: 0.935 m η = 6.3	η = 0.2	x: 0.935 m η = 0.9	x: 0.935 m η = 2.3	x: 0.935 m η = 6.6	x: 0.935 m η = 0.1	x: 0.935 m η = 0.4	x: 0.935 m η = 9.0	x: 0.935 m η = 24.1	x: 0.935 m η = 24.4	**CUMPLE η = 24.4**
N169/N170	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.971 m η = 7.8	x: 0 m η = 21.7	η = 1.6	x: 0 m η = 2.1	x: 0.972 m η = 6.5	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 2.2	x: 0.972 m η = 6.7	x: 0 m η = 0.1	x: 0.971 m η = 0.5	x: 0 m η = 8.9	x: 0 m η = 24.1	x: 0 m η = 24.4	**CUMPLE η = 24.4**
N170/N171	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.839 m η = 8.3	x: 0.049 m η = 22.1	η = 1.2	x: 0.839 m η = 2.0	x: 0.839 m η = 7.0	η = 0.4	x: 0.839 m η = 0.8	x: 0.839 m η = 2.0	x: 0.839 m η = 7.1	x: 0.839 m η < 0.1	x: 0.839 m η = 0.5	x: 0.839 m η = 9.5	x: 0.839 m η = 24.3	x: 0.839 m η = 24.6	**CUMPLE η = 24.6**
N171/N172	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.905 m η = 8.3	x: 0 m η = 22.2	η = 1.1	x: 0.906 m η = 2.2	x: 0.906 m η = 7.4	η = 0.4	x: 0 m η = 0.7	x: 0.906 m η = 2.5	x: 0.906 m η = 7.5	x: 0.906 m η = 0.1	x: 0.906 m η = 0.6	x: 0 m η = 9.4	x: 0 m η = 24.3	x: 0 m η = 24.7	**CUMPLE η = 24.7**
N172/N173	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.945 m η = 8.5	x: 0.058 m η = 22.6	η = 0.7	x: 0.058 m η = 2.4	x: 0.058 m η = 3.9	η = 0.6	x: 0.945 m η = 0.9	x: 0.058 m η = 2.6	x: 0.058 m η = 3.9	x: 0.058 m η = 0.1	x: 0.058 m η = 0.2	x: 0.945 m η = 9.9	x: 0.945 m η = 25.4	x: 0.945 m η = 25.4	**CUMPLE η = 25.4**
N173/N174	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.09 m η = 8.5	x: 0 m η = 22.8	η = 0.6	x: 0 m η = 2.2	x: 1.091 m η = 4.9	η = 0.5	x: 0 m η = 0.7	x: 0 m η = 2.3	x: 1.091 m η = 4.9	x: 0 m η = 0.1	x: 1.091 m η = 0.2	x: 0 m η = 9.9	x: 0 m η = 25.6	x: 0 m η = 25.6	**CUMPLE η = 25.6**
N175/N174	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.127 m η = 8.3	x: 0 m η = 23.0	η = 0.8	x: 0 m η = 2.2	x: 0 m η = 6.1	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 2.3	x: 0 m η = 6.3	x: 0 m η = 0.1	x: 0 m η = 0.4	x: 0 m η = 9.6	x: 0 m η = 25.7	x: 0 m η = 25.8	**CUMPLE η = 25.8**
N176/N175	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.929 m η = 8.3	x: 0.05 m η = 22.8	x: 0.929 m η = 1.0	x: 0.929 m η = 2.2	x: 0.05 m η = 6.7	x: 0.929 m η = 0.2	x: 0.929 m η = 0.8	x: 0.929 m η = 2.3	x: 0.05 m η = 7.1	x: 0.929 m η = 0.1	x: 0.05 m η = 0.5	x: 0.929 m η = 9.6	x: 0.929 m η = 25.3	x: 0.929 m η = 25.5	**CUMPLE η = 25.5**
N177/N176	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.878 m η = 8.0	x: 0 m η = 22.5	η = 0.9	x: 0 m η = 1.8	x: 0 m η = 6.6	η = 0.1	x: 0 m η = 0.7	x: 0 m η = 1.8	x: 0 m η = 6.9	x: 0 m η < 0.1	x: 0 m η = 0.5	x: 0 m η = 9.1	x: 0 m η = 24.8	x: 0 m η = 24.7	**CUMPLE η = 24.8**
N178/N177	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.874 m η = 8.0	x: 0.049 m η = 22.5	η = 1.0	x: 0.874 m η = 1.8	x: 0.462 m η = 6.6	η = 0.1	x: 0.874 m η = 0.7	x: 0.874 m η = 1.9	x: 0.462 m η = 7.0	x: 0.874 m η < 0.1	x: 0.462 m η = 0.5	x: 0.874 m η = 9.2	x: 0.874 m η = 24.8	x: 0.874 m η = 24.7	**CUMPLE η = 24.8**
N179/N178	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.961 m η = 7.5	x: 0 m η = 21.9	η = 0.8	x: 0 m η = 1.9	x: 0.962 m η = 6.2	η = 0.1	x: 0 m η = 0.6	x: 0 m η = 1.9	x: 0.962 m η = 6.4	x: 0 m η < 0.1	x: 0.961 m η = 0.4	x: 0 m η = 8.5	x: 0 m η = 24.3	x: 0 m η = 24.3	**CUMPLE η = 24.3**
N180/N179	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.945 m η = 7.5	x: 0.05 m η = 21.9	η = 0.8	x: 0.945 m η = 1.9	x: 0.945 m η = 6.0	η = 0.1	x: 0.945 m η = 0.7	x: 0.945 m η = 2.0	x: 0.945 m η = 6.3	x: 0.945 m η < 0.1	x: 0.945 m η = 0.4	x: 0.945 m η = 8.6	x: 0.945 m η = 24.3	x: 0.945 m η = 24.3	**CUMPLE η = 24.3**
N181/N180	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.902 m η = 6.7	x: 0 m η = 20.7	η = 0.7	x: 0 m η = 1.7	x: 0.903 m η = 5.7	η = 0.1	x: 0 m η = 0.6	x: 0 m η = 1.7	x: 0.903 m η = 5.7	x: 0 m η < 0.1	x: 0.902 m η = 0.3	x: 0 m η = 7.6	x: 0 m η = 22.9	x: 0 m η = 22.9	**CUMPLE η = 22.9**
N182/N181	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.931 m η = 6.7	x: 0.051 m η = 20.7	η = 0.7	x: 0.931 m η = 1.8	x: 0.931 m η = 5.4	η = 0.2	x: 0.931 m η = 0.8	x: 0.931 m η = 1.9	x: 0.931 m η = 5.4	x: 0.931 m η < 0.1	x: 0.931 m η = 0.3	x: 0.931 m η = 7.8	x: 0.931 m η = 23.1	x: 0.931 m η = 23.0	**CUMPLE η = 23.1**
N183/N182	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.901 m η = 5.8	x: 0 m η = 19.0	η = 0.7	x: 0 m η = 1.6	x: 0.902 m η = 4.9	η = 0.1	x: 0 m η = 0.6	x: 0 m η = 1.7	x: 0.902 m η = 5.2	x: 0 m η < 0.1	x: 0.901 m η = 0.3	x: 0 m η = 6.6	x: 0 m η = 21.1	x: 0 m η = 21.0	**CUMPLE η = 21.1**
N184/N183	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.936 m η = 5.7	x: 0.051 m η = 18.9	η = 0.8	x: 0.051 m η = 2.0	x: 0.936 m η = 4.7	η = 0.1	x: 0.936 m η = 0.8	x: 0.051 m η = 2.1	x: 0.936 m η = 5.0	x: 0.051 m η = 0.1	x: 0.936 m η = 0.2	x: 0.051 m η = 6.9	x: 0.051 m η = 21.4	x: 0.051 m η = 21.5	**CUMPLE η = 21.5**
N185/N184	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.893 m η = 5.8	x: 0 m η = 16.3	η = 0.9	x: 0 m η = 1.5	x: 0.894 m η = 4.7	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 1.7	x: 0.894 m η = 5.0	x: 0 m η < 0.1	x: 0.893 m η = 0.3	x: 0.893 m η = 7.7	x: 0 m η = 18.4	x: 0 m η = 18.3	**CUMPLE η = 18.4**
N186/N185	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.949 m η = 5.7	x: 0.052 m η = 16.3	η = 0.7	x: 0.052 m η = 2.3	x: 0.949 m η = 4.1	η = 0.2	x: 0.949 m η = 0.9	x: 0.052 m η = 2.5	x: 0.949 m η = 4.4	x: 0.052 m η = 0.1	x: 0.949 m η = 0.2	x: 0.052 m η = 8.7	x: 0.052 m η = 19.0	x: 0.052 m η = 19.2	**CUMPLE η = 19.2**
N187/N186	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.894 m η = 7.3	x: 0 m η = 14.2	η = 0.7	x: 0 m η = 1.3	x: 0.894 m η = 3.2	η = 0.3	x: 0 m η = 0.4	x: 0 m η = 1.5	x: 0.894 m η = 3.4	x: 0 m η < 0.1	x: 0.894 m η = 0.1	x: 0 m η = 10.0	x: 0 m η = 16.5	x: 0 m η = 16.1	**CUMPLE η = 16.5**
N188/N187	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.953 m η = 7.3	x: 0.054 m η = 14.3	η = 0.7	x: 0.054 m η = 3.1	x: 0.054 m η = 3.0	η = 0.3	x: 0.953 m η = 0.9	x: 0.054 m η = 3.3	x: 0.953 m η = 3.1	x: 0.054 m η = 0.1	x: 0.953 m η = 0.1	x: 0.054 m η = 10.3	x: 0.953 m η = 16.6	x: 0.953 m η = 16.1	**CUMPLE η = 16.6**
N189/N188	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.903 m η = 8.8	x: 0 m η = 13.4	η = 0.8	x: 0 m η = 1.7	x: 0 m η = 3.2	η = 0.1	x: 0 m η = 0.5	x: 0.903 m η = 1.8	x: 0 m η = 3.3	x: 0.902 m η < 0.1	x: 0 m η = 0.1	x: 0 m η = 11.3	x: 0 m η = 15.6	x: 0 m η = 15.6	**CUMPLE η = 15.6**
N190/N189	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.914 m η = 8.8	x: 0.055 m η = 13.4	η = 0.9	x: 0.055 m η = 5.4	x: 0.055 m η = 3.3	η = 0.1	x: 0.914 m η = 1.5	x: 0.055 m η = 5.6	x: 0.055 m η = 3.5	x: 0.055 m η = 0.3	x: 0.055 m η = 0.1	x: 0.055 m η = 12.3	x: 0.914 m η = 15.7	x: 0.914 m η = 15.7	**CUMPLE η = 15.7**
N191/N190	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.986 m η = 9.6	x: 0.045 m η = 12.1	η = 0.9	x: 0.987 m η = 4.3	x: 0.986 m η = 3.0	η = 0.1	x: 0.045 m η = 0.8	x: 0.987 m η = 4.3	x: 0.986 m η = 3.3	x: 0.987 m η = 0.2	x: 0.986 m η = 0.1	x: 0.987 m η = 12.9	x: 0.045 m η = 12.9	x: 0.045 m η = 12.7	**CUMPLE η = 12.9**
N192/N191	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.993 m η = 9.6	x: 0.056 m η = 12.2	η = 0.8	x: 0.056 m η = 4.4	x: 0.994 m η = 3.0	η = 0.1	x: 0.993 m η = 0.9	x: 0.056 m η = 4.5	x: 0.994 m η = 3.2	x: 0.056 m η = 0.2	x: 0.993 m η = 0.1	x: 0.056 m η = 12.8	x: 0.994 m η = 13.0	x: 0.994 m η = 12.8	**CUMPLE η = 13.0**
N193/N192	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.983 m η = 9.2	x: 0.045 m η = 12.4	η = 0.7	x: 0.984 m η = 4.7	x: 0.983 m η = 2.7	η = 0.1	x: 0.045 m η = 1.0	x: 0.984 m η = 4.7	x: 0.984 m η = 2.8	x: 0.984 m η = 0.2	x: 0.983 m η = 0.1	x: 0.984 m η = 12.9	x: 0.045 m η = 13.5	x: 0.045 m η = 13.2	**CUMPLE η = 13.5**
N194/N193	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.996 m η = 9.3	x: 0.056 m η = 12.5	η = 0.7	x: 0.056 m η = 3.2	x: 0.997 m η = 2.7	η = 0.1	x: 0.996 m η = 0.5	x: 0.056 m η = 3.2	x: 0.997 m η = 2.7	x: 0.056 m η = 0.1	x: 0.996 m η = 0.1	x: 0.056 m η = 12.6	x: 0.056 m η = 13.7	x: 0.056 m η = 13.3	**CUMPLE η = 13.7**
N195/N194	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.986 m η = 8.2	x: 0.045 m η = 14.8	η = 1.1	x: 0.987 m η = 4.8	x: 0.987 m η = 2.5	η = 0.1	x: 0.045 m η = 1.1	x: 0.987 m η = 4.9	x: 0.987 m η = 2.5	x: 0.987 m η = 0.3	x: 0.986 m η = 0.1	x: 0.987 m η = 12.4	x: 0.045 m η = 16.5	x: 0.987 m η = 16.0	**CUMPLE η = 16.5**
N196/N195	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.992 m η = 8.3	x: 0.056 m η = 15.0	η = 1.3	x: 0.056 m η = 1.4	x: 0.993 m η = 2.3	η = 0.1	x: 0.992 m η = 0.2	x: 0.056 m η = 1.7	x: 0.993 m η = 2.4	x: 0.056 m η < 0.1	x: 0.992 m η = 0.1	x: 0.056 m η = 11.1	x: 0.056 m η = 16.7	x: 0.056 m η = 16.3	**CUMPLE η = 16.7**
N197/N196	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.98 m η = 6.3	x: 0.045 m η = 23.7	η = 2.0	x: 0.981 m η = 4.2	x: 0.045 m η = 2.0	η = 0.3	x: 0.045 m η = 1.2	x: 0.981 m η = 4.4	x: 0.045 m η = 2.8	x: 0.981 m η = 0.2	x: 0.045 m η = 0.1	x: 0.513 m η = 10.3	x: 0.981 m η = 28.4	x: 0.981 m η = 28.9	**CUMPLE η = 28.9**
N198/N197	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.526 m η = 6.2	x: 0.057 m η = 23.9	η = 1.9	x: 0.995 m η = 2.8	x: 0.057 m η = 3.4	η = 0.4	x: 0.057 m η = 0.9	x: 0.995 m η = 3.3	x: 0.057 m η = 4.2	x: 0.995 m η = 0.1	x: 0.057 m η = 0.2	x: 0.995 m η = 11.2	x: 0.057 m η = 26.8	x: 0.057 m η = 27.0	**CUMPLE η = 27.0**
N199/N198	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.978 m η = 8.8	x: 0.045 m η = 45.5	η = 1.5	x: 0.979 m η = 2.8	x: 0.045 m η = 8.7	η = 1.1	x: 0.045 m η = 0.7	x: 0.979 m η = 3.0	x: 0.045 m η = 9.2	x: 0.979 m η = 0.1	x: 0.045 m η = 0.9	x: 0.979 m η = 9.9	x: 0.979 m η = 48.7	x: 0.979 m η = 49.1	**CUMPLE η = 49.1**
N144/N201	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.066 m η = 0.6	x: 0.138 m η = 3.6	x: 1.066 m η = 2.7	x: 0.138 m η = 9.1	x: 0.138 m η = 10.2	x: 1.066 m η = 1.0	x: 1.066 m η = 2.4	x: 0.138 m η = 9.1	x: 0.138 m η = 11.4	x: 0.138 m η = 0.9	x: 0.138 m η = 1.3	x: 0.138 m η = 4.5	x: 0.138 m η = 16.6	x: 0.138 m η = 14.4	**CUMPLE η = 16.6**
N202/N144	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.661 m η < 0.1	x: 0.085 m η < 0.1	x: 0.086 m η = 6.8	x: 0.662 m η = 2.8	x: 0.662 m η = 4.1	x: 0.086 m η = 1.7	x: 0.085 m η = 1.0	x: 0.661 m η = 3.3	x: 0.662 m η = 7.1	x: 0.661 m η = 0.1	x: 0.662 m η = 0.5	x: 0.662 m η = 12.4	x: 0.662 m η = 10.4	x: 0.086 m η = 8.5	**CUMPLE η = 12.4**
N202/N203	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.841 m η = 0.3	x: 0.085 m η = 0.3	x: 0.841 m η = 1.4	x: 0.085 m η = 5.5	x: 0.085 m η = 0.8	η = 0.1	x: 0.841 m η = 1.7	x: 0.085 m η = 6.1	x: 0.085 m η = 0.8	x: 0.085 m η = 0.4	x: 0.085 m η < 0.1	x: 0.085 m η = 8.6	x: 0.085 m η = 6.9	x: 0.085 m η = 6.9	**CUMPLE η = 8.6**
N203/N204	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.767 m η = 0.9	x: 0.086 m η = 0.1	x: 0.256 m η = 1.0	x: 0.768 m η = 3.6	x: 0.086 m η = 6.7	η = 0.9	x: 0.086 m η = 1.0	x: 0.768 m η = 3.6	x: 0.086 m η = 7.1	x: 0.768 m η = 0.1	x: 0.086 m η = 0.5	x: 0.768 m η = 10.4	x: 0.768 m η = 1.4	x: 0.086 m η = 8.6	**CUMPLE η = 10.4**
N204/N205	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.988 m η = 1.2	x: 0.059 m η = 0.2	η = 1.3	x: 0.059 m η = 4.9	x: 0.059 m η = 19.0	η = 4.5	x: 0.989 m η = 1.4	x: 0.059 m η = 5.0	x: 0.059 m η = 19.6	x: 0.059 m η = 0.3	x: 0.059 m η = 4.0	x: 0.059 m η = 28.0	x: 0.059 m η = 2.0	x: 0.059 m η = 24.2	**CUMPLE η = 28.0**
N205/N206	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.847 m η = 13.0	x: 0.062 m η = 3.6	x: 0.062 m η = 2.6	x: 0.847 m η = 5.8	x: 0.062 m η = 15.3	x: 0.063 m η = 2.3	x: 0.847 m η = 1.6	x: 0.847 m η = 5.8	x: 0.062 m η = 16.4	x: 0.847 m η = 0.4	x: 0.062 m η = 2.8	x: 0.062 m η = 26.5	x: 0.847 m η = 5.5	x: 0.062 m η = 23.6	**CUMPLE η = 26.5**
N206/N207	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.935 m η = 13.1	x: 0 m η = 3.7	η = 1.1	x: 0 m η = 4.8	x: 0.936 m η = 6.4	η = 2.5	x: 0 m η = 1.2	x: 0 m η = 4.8	x: 0.936 m η = 6.8	x: 0 m η = 0.2	x: 0.936 m η = 0.5	x: 0 m η = 19.2	x: 0.936 m η = 5.6	x: 0 m η = 19.0	**CUMPLE η = 19.2**
N207/N208	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.955 m η = 16.9	x: 0.062 m η = 3.9	η = 2.4	x: 0.956 m η = 12.8	x: 0.062 m η = 19.4	η = 2.6	x: 0.956 m η = 3.1	x: 0.956 m η = 13.0	x: 0.062 m η = 20.4	x: 0.956 m η = 1.8	x: 0.062 m η = 4.2	x: 0.956 m η = 33.5	x: 0.956 m η = 7.1	x: 0.956 m η = 32.9	**CUMPLE η = 33.5**
N208/N209	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.935 m η = 16.8	x: 0 m η = 3.9	η = 1.3	x: 0 m η = 14.6	x: 0.936 m η = 10.5	x: 0.468 m η = 3.6	x: 0 m η = 2.9	x: 0 m η = 14.8	x: 0.936 m η = 11.0	x: 0 m η = 2.3	x: 0.936 m η = 1.3	x: 0 m η = 35.6	x: 0 m η = 7.6	x: 0 m η = 35.1	**CUMPLE η = 35.6**
N209/N210	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.956 m η = 2.6	x: 0.063 m η = 7.0	η = 1.0	x: 0.063 m η = 5.5	x: 0.063 m η = 23.3	η = 3.8	x: 0.063 m η = 1.9	x: 0.063 m η = 5.7	x: 0.063 m η = 23.6	x: 0.063 m η = 0.4	x: 0.063 m η = 5.7	x: 0.063 m η = 5.3	x: 0.063 m η = 27.3	x: 0.063 m η = 31.4	**CUMPLE η = 31.4**
N210/N211	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.933 m η = 2.7	x: 0 m η = 7.3	η = 1.8	x: 0.934 m η = 3.7	x: 0.934 m η = 16.5	x: 0.234 m η = 4.2	x: 0.934 m η = 1.1	x: 0.934 m η = 4.1	x: 0.934 m η = 17.1	x: 0.934 m η = 0.2	x: 0.934 m η = 3.1	x: 0.934 m η = 8.8	x: 0.934 m η = 20.2	x: 0.934 m η = 22.6	**CUMPLE η = 22.6**
N211/N212	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.951 m η = 7.0	x: 0.064 m η = 24.8	η = 0.8	x: 0.952 m η = 4.7	x: 0.064 m η = 23.3	η = 4.5	x: 0.064 m η = 1.8	x: 0.952 m η = 5.0	x: 0.064 m η = 23.6	x: 0.952 m η = 0.3	x: 0.064 m η = 5.7	x: 0.064 m η = 10.3	x: 0.064 m η = 32.4	x: 0.064 m η = 36.4	**CUMPLE η = 36.4**
N212/N213	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.937 m η = 7.1	x: 0 m η = 25.0	η = 0.9	x: 0 m η = 3.1	x: 0.938 m η = 20.7	x: 0.234 m η = 4.4	x: 0.937 m η = 0.6	x: 0 m η = 3.3	x: 0.938 m η = 20.8	x: 0 m η = 0.1	x: 0.938 m η = 4.5	x: 0 m η = 8.3	x: 0 m η = 28.6	x: 0.938 m η = 33.1	**CUMPLE η = 33.1**
N213/N214	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.006 m η = 9.6	x: 0.066 m η = 35.1	η = 0.6	x: 1.006 m η = 5.3	x: 0.066 m η = 21.4	η = 4.3	x: 0.066 m η = 1.5	x: 1.006 m η = 5.4	x: 0.066 m η = 21.6	x: 1.006 m η = 0.3	x: 0.066 m η = 4.8	x: 1.006 m η = 11.6	x: 1.006 m η = 40.6	x: 1.006 m η = 41.7	**CUMPLE η = 41.7**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N214/N215	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 9.7	x: 0 m η = 35.1	η = 0.5	x: 0 m η = 4.5	x: 0.928 m η = 23.0	η = 4.4	x: 0.927 m η = 0.9	x: 0 m η = 4.6	x: 0.928 m η = 23.2	x: 0 m η = 0.2	x: 0.928 m η = 5.6	x: 0 m η = 11.4	x: 0 m η = 39.9	x: 0 m η = 40.7	**CUMPLE** **η = 40.7**
N215/N216	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.004 m η = 10.6	x: 0.067 m η = 38.7	η = 0.5	x: 1.004 m η = 5.3	x: 0.067 m η = 20.3	η = 4.1	x: 0.067 m η = 1.3	x: 1.004 m η = 5.4	x: 0.067 m η = 20.4	x: 1.004 m η = 0.3	x: 0.067 m η = 4.3	x: 1.004 m η = 12.5	x: 1.004 m η = 44.4	x: 1.004 m η = 45.4	**CUMPLE** **η = 45.4**
N216/N217	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 10.6	x: 0 m η = 38.7	η = 0.5	x: 0 m η = 5.2	x: 0.928 m η = 21.4	x: 0.464 m η = 4.1	x: 0.927 m η = 1.2	x: 0 m η = 5.3	x: 0.928 m η = 21.4	x: 0 m η = 0.3	x: 0.928 m η = 4.8	x: 0 m η = 12.5	x: 0 m η = 44.2	x: 0 m η = 45.2	**CUMPLE** **η = 45.2**
N217/N218	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.007 m η = 9.9	x: 0.069 m η = 36.2	η = 0.7	x: 1.007 m η = 4.3	x: 0.069 m η = 19.8	η = 4.0	x: 0.069 m η = 0.9	x: 1.007 m η = 4.5	x: 0.069 m η = 20.0	x: 1.007 m η = 0.2	x: 0.069 m η = 4.2	x: 1.007 m η = 11.5	x: 1.007 m η = 41.1	x: 1.007 m η = 41.6	**CUMPLE** **η = 41.6**
N218/N219	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.922 m η = 9.9	x: 0 m η = 36.1	η = 0.6	x: 0 m η = 4.9	x: 0.923 m η = 20.6	η = 4.0	x: 0.922 m η = 1.1	x: 0 m η = 5.1	x: 0.923 m η = 20.7	x: 0 m η = 0.3	x: 0.923 m η = 4.4	x: 0 m η = 11.7	x: 0 m η = 41.6	x: 0 m η = 42.2	**CUMPLE** **η = 42.2**
N219/N220	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 8.1	x: 0.07 m η = 29.8	x: 0.734 m η = 1.4	x: 0.07 m η = 1.8	x: 0.07 m η = 21.0	x: 0.734 m η = 4.5	x: 0.954 m η = 0.4	x: 0.07 m η = 2.0	x: 0.07 m η = 21.7	x: 0.07 m η < 0.1	x: 0.07 m η = 4.9	x: 0.07 m η = 9.2	x: 0.07 m η = 32.9	x: 0.07 m η = 36.6	**CUMPLE** **η = 36.6**
N220/N221	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 8.1	x: 0 m η = 29.6	η = 1.1	x: 0.932 m η = 1.7	x: 0.932 m η = 21.8	η = 4.2	x: 0 m η = 0.3	x: 0.932 m η = 1.9	x: 0.932 m η = 22.3	x: 0.931 m η < 0.1	x: 0.932 m η = 5.2	x: 0.932 m η = 8.9	x: 0.932 m η = 32.9	x: 0.932 m η = 36.9	**CUMPLE** **η = 36.9**
N221/N222	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 6.5	x: 0.069 m η = 24.4	x: 0.733 m η = 1.6	x: 0.069 m η = 2.3	x: 0.069 m η = 18.7	x: 0.733 m η = 4.5	x: 0.954 m η = 0.7	x: 0.069 m η = 2.7	x: 0.069 m η = 19.4	x: 0.069 m η = 0.1	x: 0.069 m η = 3.9	x: 0.069 m η = 8.1	x: 0.069 m η = 29.6	x: 0.069 m η = 32.1	**CUMPLE** **η = 32.1**
N222/N223	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 6.4	x: 0 m η = 24.2	x: 0.7 m η = 1.7	x: 0.934 m η = 1.2	x: 0.934 m η = 23.9	η = 4.2	x: 0.933 m η = 0.3	x: 0.934 m η = 1.3	x: 0.934 m η = 24.6	x: 0.933 m η < 0.1	x: 0.934 m η = 6.2	x: 0.934 m η = 7.2	x: 0.934 m η = 33.8	x: 0.934 m η = 38.3	**CUMPLE** **η = 38.3**
N223/N224	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 5.2	x: 0.065 m η = 20.6	x: 0.51 m η = 1.2	x: 0.065 m η = 1.2	x: 0.065 m η = 12.6	x: 0.51 m η = 3.2	x: 0.065 m η = 0.3	x: 0.065 m η = 1.5	x: 0.065 m η = 13.0	x: 0.065 m η < 0.1	x: 0.065 m η = 1.8	x: 0.065 m η = 7.9	x: 0.065 m η = 21.8	x: 0.065 m η = 23.6	**CUMPLE** **η = 23.6**
N224/N225	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 5.2	x: 0 m η = 20.6	η = 1.4	x: 0.938 m η = 1.0	x: 0.938 m η = 19.0	η = 3.1	x: 0.937 m η = 0.3	x: 0.938 m η = 1.2	x: 0.938 m η = 19.7	x: 0.937 m η < 0.1	x: 0.938 m η = 4.0	x: 0.938 m η = 5.9	x: 0.938 m η = 28.5	x: 0.938 m η = 32.0	**CUMPLE** **η = 32.0**
N225/N226	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 4.3	x: 0.064 m η = 18.1	η = 0.7	x: 0.064 m η = 1.2	x: 0.064 m η = 13.1	η = 3.2	x: 0.064 m η = 0.3	x: 0.064 m η = 1.4	x: 0.064 m η = 13.4	x: 0.064 m η < 0.1	x: 0.064 m η = 1.9	x: 0.064 m η = 6.9	x: 0.064 m η = 21.6	x: 0.064 m η = 24.0	**CUMPLE** **η = 24.0**
N226/N227	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 4.3	x: 0 m η = 18.1	η = 0.8	x: 0.937 m η = 0.8	x: 0.937 m η = 18.8	η = 3.1	x: 0.937 m η = 0.3	x: 0.937 m η = 1.0	x: 0.937 m η = 19.2	x: 0.936 m η < 0.1	x: 0.937 m η = 3.8	x: 0.937 m η = 5.6	x: 0.937 m η = 26.6	x: 0.937 m η = 30.5	**CUMPLE** **η = 30.5**
N227/N228	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.6	x: 0.062 m η = 16.4	η = 0.7	x: 0.062 m η = 1.1	x: 0.062 m η = 8.0	x: 0.508 m η = 2.7	x: 0.062 m η = 0.3	x: 0.062 m η = 1.3	x: 0.062 m η = 8.1	x: 0.062 m η < 0.1	x: 0.062 m η = 0.7	x: 0.062 m η = 5.7	x: 0.062 m η = 17.0	x: 0.062 m η = 16.8	**CUMPLE** **η = 17.0**
N228/N229	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 3.6	x: 0 m η = 16.4	η = 0.6	x: 0.938 m η = 0.8	x: 0.938 m η = 16.5	η = 2.4	x: 0.938 m η = 0.2	x: 0.938 m η = 1.0	x: 0.938 m η = 16.6	x: 0.937 m η < 0.1	x: 0.938 m η = 2.8	x: 0.938 m η = 5.0	x: 0.938 m η = 23.2	x: 0.938 m η = 26.8	**CUMPLE** **η = 26.8**
N229/N230	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.1	x: 0.061 m η = 15.3	x: 0.508 m η = 0.9	x: 0.061 m η = 1.2	x: 0.955 m η = 4.8	x: 0.062 m η = 1.8	x: 0.061 m η = 0.3	x: 0.061 m η = 1.4	x: 0.955 m η = 5.2	x: 0.061 m η < 0.1	x: 0.955 m η = 0.3	x: 0.061 m η = 4.9	x: 0.061 m η = 16.3	x: 0.061 m η = 16.0	**CUMPLE** **η = 16.3**
N230/N231	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 3.1	x: 0.045 m η = 15.3	η = 0.6	x: 0.939 m η = 0.5	x: 0.939 m η = 13.7	η = 1.7	x: 0.939 m η = 0.1	x: 0.939 m η = 0.7	x: 0.939 m η = 13.7	x: 0.938 m η < 0.1	x: 0.939 m η = 1.9	x: 0.939 m η = 4.1	x: 0.939 m η = 19.3	x: 0.939 m η = 22.4	**CUMPLE** **η = 22.4**
N231/N232	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 2.8	x: 0.061 m η = 14.7	x: 0.061 m η = 1.3	x: 0.061 m η = 1.0	x: 0.955 m η = 5.4	η = 1.0	x: 0.061 m η = 0.3	x: 0.061 m η = 1.4	x: 0.955 m η = 5.9	x: 0.061 m η < 0.1	x: 0.955 m η = 0.4	x: 0.731 m η = 3.3	x: 0.061 m η = 15.7	x: 0.061 m η = 15.4	**CUMPLE** **η = 15.7**
N232/N233	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.8	x: 0.045 m η = 14.7	η = 0.7	x: 0.939 m η = 0.9	x: 0.939 m η = 10.4	η = 1.0	x: 0.939 m η = 0.2	x: 0.939 m η = 0.9	x: 0.939 m η = 10.6	x: 0.938 m η < 0.1	x: 0.939 m η = 1.1	x: 0.715 m η = 3.3	x: 0.939 m η = 15.7	x: 0.939 m η = 17.8	**CUMPLE** **η = 17.8**
N233/N234	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.188 m η = 2.5	x: 0.061 m η = 14.6	x: 0.813 m η = 1.6	x: 0.061 m η = 1.1	x: 0.061 m η = 7.1	η = 0.6	x: 0.061 m η = 0.3	x: 0.061 m η = 1.4	x: 0.061 m η = 7.8	x: 0.061 m η < 0.1	x: 0.061 m η = 0.6	x: 0.061 m η = 3.2	x: 0.061 m η = 16.1	x: 0.061 m η = 15.7	**CUMPLE** **η = 16.1**
N235/N234	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.188 m η = 2.5	x: 0.061 m η = 14.7	η = 0.7	x: 0.061 m η = 0.9	x: 0.061 m η = 5.3	η = 0.6	x: 0.061 m η = 0.2	x: 0.061 m η = 1.0	x: 0.061 m η = 5.5	x: 0.061 m η < 0.1	x: 0.061 m η = 0.3	x: 0.061 m η = 3.0	x: 0.061 m η = 16.0	x: 0.061 m η = 15.7	**CUMPLE** **η = 16.0**
N236/N235	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.5	x: 0.058 m η = 15.0	x: 0.719 m η = 1.9	x: 0.058 m η = 2.6	x: 0.939 m η = 9.4	x: 0.938 m η = 2.4	x: 0.938 m η = 0.8	x: 0.058 m η = 3.3	x: 0.939 m η = 10.2	x: 0.058 m η = 0.1	x: 0.939 m η = 1.1	x: 0.058 m η = 3.6	x: 0.939 m η = 19.7	x: 0.939 m η = 19.7	**CUMPLE** **η = 19.7**
N237/N236	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.941 m η = 2.5	x: 0.061 m η = 15.1	x: 0.062 m η = 1.7	x: 0.942 m η = 2.6	x: 0.942 m η = 6.5	η = 1.1	x: 0.062 m η = 0.8	x: 0.942 m η = 3.2	x: 0.942 m η = 6.8	x: 0.942 m η = 0.1	x: 0.942 m η = 0.5	x: 0.942 m η = 3.4	x: 0.061 m η = 16.1	x: 0.061 m η = 15.7	**CUMPLE** **η = 16.1**
N238/N237	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.8	x: 0.045 m η = 15.6	η = 0.7	x: 0.939 m η = 0.7	x: 0.939 m η = 15.4	η = 1.8	x: 0.939 m η = 0.2	x: 0.939 m η = 0.9	x: 0.939 m η = 15.6	x: 0.938 m η < 0.1	x: 0.939 m η = 2.5	N.P.[1]	x: 0.939 m η = 23.2	x: 0.939 m η = 26.1	**CUMPLE** **η = 26.1**
N239/N238	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 2.8	x: 0.061 m η = 15.6	η = 1.3	x: 0.061 m η = 0.9	x: 0.955 m η = 5.7	η = 1.8	x: 0.061 m η = 0.3	x: 0.061 m η = 1.2	x: 0.955 m η = 6.2	x: 0.061 m η < 0.1	x: 0.955 m η = 0.4	x: 0.508 m η = 3.3	x: 0.061 m η = 16.6	x: 0.061 m η = 16.3	**CUMPLE** **η = 16.6**
N240/N239	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 3.4	x: 0 m η = 16.6	η = 1.1	x: 0.938 m η = 0.9	x: 0.938 m η = 17.8	η = 2.6	x: 0.937 m η = 0.3	x: 0.938 m η = 1.2	x: 0.938 m η = 17.8	x: 0.937 m η < 0.1	x: 0.938 m η = 3.2	x: 0.938 m η = 3.9	x: 0.938 m η = 24.5	x: 0.938 m η = 28.5	**CUMPLE** **η = 28.5**
N241/N240	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.4	x: 0.062 m η = 16.6	η = 1.0	x: 0.062 m η = 1.0	x: 0.062 m η = 8.8	x: 0.285 m η = 2.8	x: 0.062 m η = 0.3	x: 0.062 m η = 1.4	x: 0.062 m η = 9.1	x: 0.062 m η < 0.1	x: 0.062 m η = 0.9	x: 0.062 m η = 2.8	x: 0.062 m η = 17.4	x: 0.062 m η = 17.4	**CUMPLE** **η = 17.4**
N242/N241	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 4.1	x: 0 m η = 18.3	η = 1.5	x: 0.937 m η = 0.9	x: 0.937 m η = 19.6	η = 3.2	x: 0.936 m η = 0.3	x: 0.937 m η = 1.3	x: 0.937 m η = 19.7	x: 0.936 m η < 0.1	x: 0.937 m η = 4.0	x: 0.937 m η = 4.6	x: 0.937 m η = 25.4	x: 0.937 m η = 30.0	**CUMPLE** **η = 30.0**
N243/N242	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 4.1	x: 0.064 m η = 18.3	η = 1.0	x: 0.064 m η = 1.3	x: 0.064 m η = 13.6	x: 0.509 m η = 3.4	x: 0.064 m η = 0.3	x: 0.064 m η = 1.7	x: 0.064 m η = 13.7	x: 0.064 m η < 0.1	x: 0.064 m η = 2.0	x: 0.064 m η = 6.4	x: 0.064 m η = 19.5	x: 0.064 m η = 22.5	**CUMPLE** **η = 22.5**
N244/N243	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 5.0	x: 0 m η = 20.7	η = 1.3	x: 0.938 m η = 1.0	x: 0.938 m η = 18.8	η = 3.2	x: 0.937 m η = 0.4	x: 0 m η = 1.5	x: 0.938 m η = 19.2	x: 0 m η < 0.1	x: 0.938 m η = 3.8	x: 0 m η = 7.4	x: 0.938 m η = 26.9	x: 0.938 m η = 30.3	**CUMPLE** **η = 30.3**
N245/N244	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 5.0	x: 0.065 m η = 20.8	η = 1.1	x: 0.065 m η = 1.6	x: 0.065 m η = 14.8	x: 0.51 m η = 3.5	x: 0.065 m η = 0.4	x: 0.065 m η = 1.9	x: 0.065 m η = 15.2	x: 0.065 m η < 0.1	x: 0.065 m η = 2.4	x: 0.065 m η = 11.0	x: 0.065 m η = 22.6	x: 0.065 m η = 25.0	**CUMPLE** **η = 25.0**
N246/N245	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0 m η = 7.9	x: 0 m η = 24.4	η = 1.5	x: 0 m η = 2.2	x: 0.934 m η = 20.9	η = 3.7	x: 0.933 m η = 0.5	x: 0 m η = 2.6	x: 0.934 m η = 21.5	x: 0 m η = 0.1	x: 0.934 m η = 4.8	x: 0.934 m η = 12.8	x: 0.934 m η = 30.1	x: 0.934 m η = 33.9	**CUMPLE** **η = 33.9**
N247/N246	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 8.0	x: 0.069 m η = 24.6	x: 0.733 m η = 1.7	x: 0.069 m η = 4.1	x: 0.069 m η = 17.3	x: 0.733 m η = 4.0	x: 0.954 m η = 0.7	x: 0.069 m η = 4.3	x: 0.069 m η = 18.0	x: 0.069 m η = 0.2	x: 0.069 m η = 3.4	x: 0.069 m η = 13.4	x: 0.069 m η = 27.7	x: 0.069 m η = 29.7	**CUMPLE** **η = 29.7**
N248/N247	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 7.9	x: 0 m η = 29.8	η = 1.3	x: 0.932 m η = 3.7	x: 0.932 m η = 20.7	η = 3.9	x: 0 m η = 0.8	x: 0.932 m η = 4.0	x: 0.932 m η = 21.3	x: 0.932 m η = 0.2	x: 0.932 m η = 4.7	x: 0.932 m η = 12.9	x: 0.932 m η = 31.6	x: 0.932 m η = 35.3	**CUMPLE** **η = 35.3**
N249/N248	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 7.9	x: 0.07 m η = 30.0	x: 0.734 m η = 1.6	x: 0.07 m η = 3.0	x: 0.07 m η = 18.5	x: 0.955 m η = 4.1	x: 0.954 m η = 0.7	x: 0.07 m η = 3.2	x: 0.07 m η = 19.2	x: 0.07 m η = 0.1	x: 0.07 m η = 3.8	x: 0.07 m η = 11.6	x: 0.07 m η = 32.0	x: 0.07 m η = 32.6	**CUMPLE** **η = 32.6**
N250/N249	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.928 m η = 9.7	x: 0.045 m η = 36.2	η = 0.7	x: 0.045 m η = 5.0	x: 0.929 m η = 21.7	η = 4.1	x: 0.928 m η = 1.2	x: 0.045 m η = 5.2	x: 0.929 m η = 21.9	x: 0.045 m η = 0.3	x: 0.929 m η = 4.9	x: 0.045 m η = 11.6	x: 0.045 m η = 41.8	x: 0.045 m η = 42.4	**CUMPLE** **η = 42.4**
N251/N250	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.001 m η = 9.8	x: 0.069 m η = 36.3	η = 0.8	x: 1.001 m η = 4.5	x: 0.069 m η = 19.8	x: 0.768 m η = 4.2	x: 0.069 m η = 0.9	x: 1.001 m η = 4.8	x: 0.069 m η = 19.9	x: 1.001 m η = 0.2	x: 0.069 m η = 4.1	x: 1.001 m η = 11.4	x: 1.001 m η = 41.4	x: 1.001 m η = 41.9	**CUMPLE** **η = 41.9**
N252/N251	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.915 m η = 10.5	x: 0 m η = 38.8	η = 0.7	x: 0 m η = 5.2	x: 0.916 m η = 22.2	η = 4.1	x: 0.915 m η = 1.2	x: 0 m η = 5.3	x: 0.916 m η = 22.5	x: 0 m η = 0.3	x: 0.916 m η = 5.2	x: 0 m η = 12.3	x: 0 m η = 44.4	x: 0 m η = 45.3	**CUMPLE** **η = 45.3**
N253/N252	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.017 m η = 10.5	x: 0.067 m η = 38.8	η = 0.8	x: 1.017 m η = 5.4	x: 0.067 m η = 21.1	η = 4.3	x: 0.067 m η = 1.3	x: 1.017 m η = 5.4	x: 0.067 m η = 21.2	x: 1.017 m η = 0.3	x: 0.067 m η = 4.7	x: 1.017 m η = 12.3	x: 1.017 m η = 44.6	x: 1.017 m η = 45.5	**CUMPLE** **η = 45.5**
N254/N253	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.942 m η = 9.6	x: 0 m η = 35.2	η = 0.7	x: 0 m η = 4.6	x: 0.943 m η = 23.4	η = 4.5	x: 0.942 m η = 0.9	x: 0 m η = 4.7	x: 0.943 m η = 23.7	x: 0 m η = 0.2	x: 0.943 m η = 5.8	x: 0 m η = 11.2	x: 0 m η = 40.2	x: 0 m η = 40.9	**CUMPLE** **η = 40.9**
N255/N254	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.991 m η = 9.6	x: 0.066 m η = 35.1	η = 0.8	x: 0.991 m η = 5.4	x: 0.066 m η = 21.6	η = 4.3	x: 0.066 m η = 1.6	x: 0.991 m η = 5.5	x: 0.066 m η = 21.8	x: 0.991 m η = 0.3	x: 0.066 m η = 4.9	x: 0.991 m η = 11.5	x: 0.991 m η = 40.9	x: 0.991 m η = 41.9	**CUMPLE** **η = 41.9**
N256/N255	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 7.1	x: 0 m η = 25.0	η = 0.9	x: 0 m η = 3.1	x: 0.934 m η = 20.7	x: 0.233 m η = 4.4	x: 0.933 m η = 0.6	x: 0 m η = 3.4	x: 0.934 m η = 20.7	x: 0 m η = 0.1	x: 0.934 m η = 4.5	x: 0 m η = 8.3	x: 0 m η = 28.7	x: 0.934 m η = 33.1	**CUMPLE** **η = 33.1**
N257/N256	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.956 m η = 7.0	x: 0.064 m η = 24.8	η = 1.0	x: 0.957 m η = 4.8	x: 0.064 m η = 22.8	η = 4.3	x: 0.064 m η = 1.8	x: 0.957 m η = 5.0	x: 0.064 m η = 23.0	x: 0.957 m η = 0.3	x: 0.064 m η = 5.5	x: 0.957 m η = 8.8	x: 0.064 m η = 32.3	x: 0.064 m η = 36.3	**CUMPLE** **η = 36.3**
N258/N257	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.922 m η = 2.7	x: 0 m η = 7.3	η = 1.7	x: 0.923 m η = 1.4	x: 0.923 m η = 17.5	x: 0.231 m η = 4.5	x: 0.923 m η = 0.5	x: 0.923 m η = 1.8	x: 0.923 m η = 18.1	x: 0.922 m η < 0.1	x: 0.923 m η = 3.4	x: 0.923 m η = 3.7	x: 0.923 m η = 20.6	x: 0.923 m η = 23.9	**CUMPLE** **η = 23.9**
N259/N258	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.967 m η = 2.7	x: 0.063 m η = 7.0	η = 1.0	x: 0.063 m η = 5.6	x: 0.063 m η = 24.1	η = 4.1	x: 0.063 m η = 1.9	x: 0.063 m η = 5.8	x: 0.063 m η = 24.4	x: 0.063 m η = 0.4	x: 0.063 m η = 6.1	x: 0.063 m η = 4.3	x: 0.063 m η = 28.5	x: 0.063 m η = 32.1	**CUMPLE** **η = 32.1**
N260/N259	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.93 m η = 16.8	x: 0 m η = 3.8	η = 1.3	x: 0 m η = 14.6	x: 0.931 m η = 10.1	x: 0.465 m η = 3.4	x: 0 m η = 2.9	x: 0 m η = 14.7	x: 0.931 m η = 10.5	x: 0 m η = 2.3	x: 0.931 m η = 1.2	x: 0 m η = 35.6	x: 0 m η = 7.4	x: 0 m η = 35.0	**CUMPLE** **η = 35.6**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N261/N260	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.959 m η = 16.9	x: 0.062 m η = 3.8	η = 2.4	x: 0.96 m η = 12.8	x: 0.062 m η = 19.4	η = 2.6	x: 0.96 m η = 3.1	x: 0.96 m η = 13.0	x: 0.062 m η = 20.5	x: 0.96 m η = 1.8	x: 0.062 m η = 4.3	x: 0.96 m η = 33.5	x: 0.96 m η = 7.0	x: 0.96 m η = 32.9	**CUMPLE η = 33.5**
N262/N261	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.934 m η = 13.1	x: 0 m η = 3.6	η = 1.1	x: 0 m η = 4.8	x: 0.935 m η = 6.8	η = 2.6	x: 0 m η = 1.2	x: 0 m η = 4.8	x: 0.935 m η = 7.3	x: 0 m η = 0.2	x: 0.935 m η = 0.6	x: 0 m η = 19.2	x: 0 m η = 5.3	x: 0 m η = 19.1	**CUMPLE η = 19.2**
N263/N262	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.848 m η = 13.0	x: 0.062 m η = 3.5	x: 0.063 m η = 2.7	x: 0.848 m η = 5.8	x: 0.062 m η = 15.8	x: 0.062 m η = 2.4	x: 0.848 m η = 1.7	x: 0.848 m η = 5.9	x: 0.062 m η = 17.0	x: 0.848 m η = 0.4	x: 0.062 m η = 2.9	x: 0.062 m η = 26.8	x: 0.848 m η = 5.4	x: 0.062 m η = 23.7	**CUMPLE η = 26.8**
N264/N263	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.008 m η = 1.2	x: 0.059 m η = 0.2	x: 1.009 m η = 1.4	x: 0.059 m η = 4.7	x: 0.059 m η = 19.4	x: 1.009 m η = 4.9	x: 1.009 m η = 1.3	x: 0.059 m η = 4.8	x: 0.059 m η = 20.0	x: 0.059 m η = 0.2	x: 0.059 m η = 4.2	x: 0.059 m η = 28.3	x: 0.059 m η = 2.0	x: 0.059 m η = 24.6	**CUMPLE η = 28.3**
N265/N264	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.765 m η = 0.9	x: 0.086 m η = 0.2	η = 1.2	x: 0.766 m η = 3.3	x: 0.086 m η = 7.2	η = 1.2	x: 0.086 m η = 0.9	x: 0.766 m η = 3.3	x: 0.086 m η = 7.7	x: 0.766 m η = 0.1	x: 0.086 m η = 0.6	x: 0.766 m η = 11.2	x: 0.766 m η = 1.2	x: 0.086 m η = 9.2	**CUMPLE η = 11.2**
N145/N265	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.863 m η = 0.4	x: 0.085 m η = 0.4	x: 0.475 m η = 1.5	x: 0.085 m η = 5.6	x: 0.085 m η = 1.0	η = 0.2	x: 0.863 m η = 1.7	x: 0.085 m η = 6.2	x: 0.085 m η = 1.1	x: 0.085 m η = 0.4	x: 0.085 m η < 0.1	x: 0.085 m η = 8.8	x: 0.085 m η = 7.0	x: 0.085 m η = 7.0	**CUMPLE η = 8.8**
N139/N265	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.074 m η = 0.8	x: 0.201 m η = 4.7	η = 2.3	x: 0.201 m η = 2.4	x: 0.201 m η = 17.4	η = 3.2	x: 1.074 m η = 0.5	x: 0.201 m η = 2.5	x: 0.201 m η = 18.4	x: 0.201 m η = 0.1	x: 0.201 m η = 3.5	N.P.[1]	x: 0.201 m η = 21.2	x: 0.201 m η = 23.2	**CUMPLE η = 23.2**
N139/N263	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.459 m η = 21.9	x: 0.206 m η = 7.7	x: 1.46 m η = 3.6	x: 0.206 m η = 1.9	x: 1.46 m η = 2.9	η = 0.2	x: 0.206 m η = 0.3	x: 0.206 m η = 2.2	x: 1.46 m η = 4.4	x: 0.206 m η < 0.1	x: 1.46 m η = 0.2	x: 1.46 m η = 24.9	x: 1.46 m η = 8.5	x: 1.46 m η = 24.1	**CUMPLE η = 24.9**
N148/N261	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.427 m η = 2.4	x: 0.141 m η = 7.9	x: 0.141 m η = 3.4	x: 1.428 m η = 1.6	x: 1.428 m η = 2.9	η = 0.1	x: 1.427 m η = 0.2	x: 1.428 m η = 2.1	x: 1.428 m η = 4.3	x: 1.427 m η < 0.1	x: 1.428 m η = 0.2	N.P.[1]	x: 1.428 m η = 10.2	x: 1.428 m η = 9.9	**CUMPLE η = 10.2**
N148/N259	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.482 m η = 14.4	x: 0.11 m η = 71.7	x: 0.796 m η = 3.4	x: 1.483 m η = 6.3	x: 1.483 m η = 16.1	x: 0.796 m η = 2.1	x: 1.482 m η = 0.4	x: 1.483 m η = 6.3	x: 1.483 m η = 17.6	x: 1.483 m η = 0.4	x: 1.483 m η = 3.1	x: 1.483 m η = 16.6	x: 1.483 m η = 80.2	x: 1.483 m η = 79.5	**CUMPLE η = 80.2**
N150/N259	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.489 m η = 47.0	x: 0.11 m η = 15.3	x: 0.8 m η = 5.0	x: 0.11 m η = 5.4	x: 0.11 m η = 2.1	x: 1.26 m η = 0.2	x: 0.11 m η = 0.8	x: 0.11 m η = 5.5	x: 0.11 m η = 4.3	x: 0.11 m η = 0.3	x: 0.11 m η = 0.2	x: 0.11 m η = 54.1	x: 1.49 m η = 17.2	x: 0.11 m η = 53.7	**CUMPLE η = 54.1**
N150/N257	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.53 m η = 11.3	x: 0.108 m η = 57.8	η = 0.6	x: 1.531 m η = 7.5	x: 1.531 m η = 11.0	x: 0.464 m η = 0.9	x: 1.53 m η = 1.0	x: 1.531 m η = 7.5	x: 1.531 m η = 11.1	x: 1.531 m η = 0.6	x: 1.531 m η = 1.2	x: 0.108 m η = 13.6	x: 1.531 m η = 67.8	x: 1.531 m η = 67.2	**CUMPLE η = 67.8**
N152/N257	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.535 m η = 29.6	x: 0.108 m η = 9.5	x: 0.822 m η = 3.3	x: 1.536 m η = 3.1	x: 1.536 m η = 3.6	x: 0.822 m η = 0.4	x: 0.108 m η = 0.5	x: 1.536 m η = 3.2	x: 1.536 m η = 5.1	x: 1.536 m η = 0.1	x: 1.536 m η = 0.3	x: 1.536 m η = 33.8	x: 1.536 m η = 10.7	x: 1.536 m η = 33.5	**CUMPLE η = 33.8**
N152/N255	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.56 m η = 7.3	x: 0.107 m η = 38.4	η = 1.1	x: 0.107 m η = 5.6	x: 1.561 m η = 7.5	x: 0.107 m η = 0.6	x: 1.56 m η = 0.7	x: 0.107 m η = 5.6	x: 1.561 m η = 8.0	x: 0.107 m η = 0.3	x: 1.561 m η = 0.6	x: 0.107 m η = 9.1	x: 0.107 m η = 45.3	x: 0.107 m η = 45.3	**CUMPLE η = 45.3**
N154/N255	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.562 m η = 15.3	x: 0.107 m η = 4.5	x: 0.835 m η = 2.2	x: 1.563 m η = 1.6	x: 1.563 m η = 5.0	x: 0.471 m η = 0.5	x: 0.107 m η = 0.2	x: 1.563 m η = 1.6	x: 1.563 m η = 5.9	x: 1.562 m η < 0.1	x: 1.563 m η = 0.3	x: 1.563 m η = 17.5	x: 1.563 m η = 5.1	x: 1.563 m η = 17.2	**CUMPLE η = 17.5**
N154/N253	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.571 m η = 3.7	x: 0.107 m η = 20.6	η = 1.8	x: 0.107 m η = 4.0	x: 1.572 m η = 6.2	x: 0.29 m η = 0.5	x: 1.571 m η = 0.5	x: 0.107 m η = 4.1	x: 1.572 m η = 6.8	x: 0.107 m η = 0.2	x: 1.572 m η = 0.5	N.P.[1]	x: 0.107 m η = 25.5	x: 0.107 m η = 25.7	**CUMPLE η = 25.7**
N156/N253	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.657 m η = 8.5	x: 0.657 m η = 9.4	η = 1.7	x: 1.572 m η = 1.8	x: 1.572 m η = 6.1	x: 0.107 m η = 0.6	x: 1.571 m η = 0.3	x: 1.572 m η = 2.0	x: 1.572 m η = 6.6	x: 1.572 m η < 0.1	x: 1.572 m η = 0.4	x: 1.572 m η = 10.5	x: 1.572 m η = 11.6	x: 1.572 m η = 11.4	**CUMPLE η = 11.6**
N156/N251	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.201 m η = 7.3	x: 1.201 m η = 11.4	η = 2.1	x: 0.107 m η = 2.3	x: 1.566 m η = 5.2	x: 0.472 m η = 0.5	x: 1.565 m η = 0.2	x: 0.107 m η = 2.4	x: 1.566 m η = 6.0	x: 0.107 m η = 0.1	x: 1.566 m η = 0.4	x: 1.566 m η = 4.8	x: 0.107 m η = 13.9	x: 0.107 m η = 13.8	**CUMPLE η = 13.9**
N158/N251	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.653 m η = 7.6	x: 0.653 m η = 16.2	η = 1.4	x: 0.107 m η = 3.3	x: 1.564 m η = 6.7	x: 0.289 m η = 0.6	x: 1.563 m η = 0.4	x: 0.107 m η = 3.4	x: 1.564 m η = 7.3	x: 0.107 m η = 0.1	x: 1.564 m η = 0.5	x: 1.564 m η = 10.0	x: 1.564 m η = 19.5	x: 1.564 m η = 19.6	**CUMPLE η = 19.6**
N158/N249	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.539 m η = 9.2	x: 0.105 m η = 6.5	η = 2.2	x: 1.54 m η = 1.5	x: 1.54 m η = 5.3	x: 0.643 m η = 0.6	x: 0.105 m η = 0.1	x: 1.54 m η = 1.6	x: 1.54 m η = 6.3	x: 1.539 m η < 0.1	x: 1.54 m η = 0.4	x: 1.54 m η = 11.8	x: 0.105 m η = 8.1	x: 1.54 m η = 11.0	**CUMPLE η = 11.8**
N160/N249	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.551 m η = 6.2	x: 0.105 m η = 21.9	η = 1.3	x: 1.552 m η = 4.1	x: 1.552 m η = 6.7	x: 0.286 m η = 0.6	x: 1.551 m η = 0.6	x: 1.552 m η = 4.2	x: 1.552 m η = 7.3	x: 1.552 m η = 0.2	x: 1.552 m η = 0.5	x: 0.105 m η = 8.2	x: 1.552 m η = 27.1	x: 1.552 m η = 27.1	**CUMPLE η = 27.1**
N160/N247	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.648 m η = 7.7	x: 0.102 m η = 4.7	η = 2.1	x: 1.649 m η = 0.8	x: 1.649 m η = 5.7	η = 0.5	x: 0.102 m η = 0.1	x: 1.648 m η = 1.1	x: 1.649 m η = 6.6	x: 1.456 m η < 0.1	x: 1.649 m η = 0.4	x: 1.649 m η = 12.1	x: 1.649 m η = 5.3	x: 1.649 m η = 9.6	**CUMPLE η = 12.1**
N162/N247	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.654 m η = 5.9	x: 0.102 m η = 20.0	η = 1.4	x: 1.655 m η = 3.2	x: 1.655 m η = 5.5	x: 0.879 m η = 0.5	x: 1.654 m η = 0.5	x: 1.655 m η = 3.3	x: 1.655 m η = 6.1	x: 1.655 m η = 0.1	x: 1.655 m η = 0.4	x: 0.102 m η = 7.6	x: 1.655 m η = 24.0	x: 1.655 m η = 24.0	**CUMPLE η = 24.0**
N162/N245	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.797 m η = 11.8	x: 0.099 m η = 12.9	x: 0.524 m η = 2.1	x: 1.798 m η = 1.5	x: 1.798 m η = 5.1	x: 0.099 m η = 0.4	x: 1.797 m η = 0.1	x: 1.798 m η = 1.6	x: 1.798 m η = 6.0	x: 1.797 m η < 0.1	x: 1.798 m η = 0.4	x: 1.798 m η = 15.0	x: 1.798 m η = 15.3	x: 1.798 m η = 14.9	**CUMPLE η = 15.3**
N164/N245	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.804 m η = 8.1	x: 0.098 m η = 16.8	η = 1.3	x: 1.805 m η = 2.5	x: 1.805 m η = 5.4	x: 0.311 m η = 0.5	x: 1.804 m η = 0.3	x: 1.805 m η = 2.6	x: 1.805 m η = 5.7	x: 1.805 m η = 0.1	x: 1.805 m η = 0.3	x: 0.098 m η = 11.1	x: 0.098 m η = 20.2	x: 0.098 m η = 19.9	**CUMPLE η = 20.2**
N164/N243	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.82 m η = 9.9	x: 0.82 m η = 12.6	η = 1.6	x: 1.904 m η = 1.6	x: 1.904 m η = 5.4	x: 1.362 m η = 0.4	x: 1.903 m η = 0.2	x: 1.904 m η = 1.7	x: 1.904 m η = 5.7	x: 1.903 m η < 0.1	x: 1.904 m η = 0.3	x: 1.904 m η = 13.3	x: 1.904 m η = 15.2	x: 1.904 m η = 14.9	**CUMPLE η = 15.2**
N166/N243	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.906 m η = 7.3	x: 0.097 m η = 14.5	η = 1.4	x: 1.907 m η = 2.1	x: 1.907 m η = 3.5	x: 1.726 m η = 0.3	x: 1.906 m η = 0.3	x: 1.907 m η = 2.2	x: 1.907 m η = 4.0	x: 1.907 m η < 0.1	x: 1.907 m η = 0.2	x: 0.097 m η = 10.1	x: 0.097 m η = 17.2	x: 1.907 m η = 17.0	**CUMPLE η = 17.2**
N166/N241	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.853 m η = 8.1	x: 0.853 m η = 11.7	x: 0.097 m η = 1.3	x: 1.988 m η = 1.5	x: 1.988 m η = 4.3	x: 1.042 m η = 0.2	x: 1.987 m η = 0.2	x: 1.988 m η = 1.6	x: 1.988 m η = 4.8	x: 1.987 m η < 0.1	x: 1.988 m η = 0.2	x: 0.096 m η = 10.4	x: 1.988 m η = 13.8	x: 1.988 m η = 13.5	**CUMPLE η = 13.8**
N168/N241	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.986 m η = 6.7	x: 0.096 m η = 12.7	η = 1.0	x: 1.987 m η = 1.9	x: 0.096 m η = 2.8	η = 0.2	x: 1.986 m η = 0.2	x: 1.987 m η = 2.0	x: 0.096 m η = 2.8	x: 1.986 m η < 0.1	x: 0.096 m η = 0.1	x: 0.096 m η = 9.1	x: 0.096 m η = 14.8	x: 1.987 m η = 14.9	**CUMPLE η = 14.9**
N168/N239	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.876 m η = 6.8	x: 0.876 m η = 11.1	η = 1.2	x: 2.047 m η = 1.4	x: 2.047 m η = 4.1	x: 0.681 m η = 0.2	x: 2.046 m η = 0.2	x: 2.047 m η = 1.5	x: 2.047 m η = 4.7	x: 2.046 m η < 0.1	x: 2.047 m η = 0.2	x: 0.096 m η = 9.9	x: 0.096 m η = 13.3	x: 0.096 m η = 12.8	**CUMPLE η = 13.3**
N170/N239	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.086 m η = 6.4	x: 0.098 m η = 11.5	η = 0.6	x: 2.087 m η = 1.6	x: 2.087 m η = 2.7	η = 0.1	x: 2.086 m η = 0.2	x: 2.087 m η = 1.7	x: 2.087 m η = 2.8	x: 2.086 m η < 0.1	x: 2.086 m η = 0.1	x: 2.087 m η = 9.3	x: 2.087 m η = 14.2	x: 2.087 m η = 13.7	**CUMPLE η = 14.2**
N170/N237	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.045 m η = 5.7	x: 0.097 m η = 10.4	η = 1.2	x: 2.046 m η = 1.5	x: 2.046 m η = 3.7	x: 0.097 m η = 0.2	x: 2.045 m η = 0.2	x: 2.046 m η = 1.7	x: 2.046 m η = 4.2	x: 2.045 m η < 0.1	x: 2.046 m η = 0.2	x: 2.046 m η = 9.4	x: 0.097 m η = 13.0	x: 0.097 m η = 12.5	**CUMPLE η = 13.0**
N172/N237	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.294 m η = 5.5	x: 1.294 m η = 9.7	η = 0.9	x: 2.092 m η = 1.4	x: 2.092 m η = 3.2	η = 0.2	x: 2.091 m η = 0.2	x: 2.092 m η = 1.5	x: 2.092 m η = 3.4	x: 2.091 m η < 0.1	x: 2.092 m η = 0.1	x: 0.098 m η = 8.4	x: 0.098 m η = 11.8	x: 2.092 m η = 11.3	**CUMPLE η = 11.8**
N172/N235	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.71 m η = 4.4	x: 1.71 m η = 6.4	η = 0.5	x: 2.113 m η = 0.9	x: 2.113 m η = 4.5	x: 0.099 m η = 0.3	x: 2.112 m η = 0.1	x: 2.113 m η = 1.0	x: 2.113 m η = 4.5	x: 2.112 m η < 0.1	x: 2.113 m η = 0.2	x: 2.113 m η = 10.1	x: 2.113 m η = 11.2	x: 2.113 m η = 11.6	**CUMPLE η = 11.6**
N174/N235	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.222 m η = 3.4	x: 0.098 m η = 9.1	η = 0.6	x: 2.223 m η = 1.3	x: 2.223 m η = 3.0	x: 0.098 m η = 0.2	x: 2.222 m η = 0.2	x: 2.223 m η = 1.4	x: 2.223 m η = 3.0	x: 2.222 m η < 0.1	x: 2.222 m η = 0.1	x: 2.223 m η = 7.3	x: 2.223 m η = 13.0	x: 2.223 m η = 12.7	**CUMPLE η = 13.0**
N174/N233	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 4.1	x: 0.099 m η = 7.1	η = 0.7	x: 2.233 m η = 1.1	x: 2.233 m η = 4.7	η = 0.2	x: 2.232 m η = 0.1	x: 2.233 m η = 1.2	x: 2.233 m η = 5.0	x: 2.232 m η < 0.1	x: 2.233 m η = 0.3	x: 2.233 m η = 10.5	x: 2.233 m η = 12.9	x: 2.233 m η = 12.7	**CUMPLE η = 12.9**
N176/N233	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.904 m η = 3.0	x: 0.904 m η = 6.8	η = 0.6	x: 2.111 m η = 1.1	x: 2.111 m η = 3.6	x: 1.306 m η = 0.2	x: 2.11 m η = 0.1	x: 2.111 m η = 1.2	x: 2.111 m η = 3.7	x: 2.11 m η < 0.1	x: 2.111 m η = 0.1	x: 2.111 m η = 7.7	x: 2.111 m η = 10.9	x: 2.111 m η = 10.7	**CUMPLE η = 10.9**
N176/N231	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.093 m η = 3.0	x: 1.093 m η = 5.8	η = 0.6	x: 2.088 m η = 1.2	x: 2.088 m η = 3.2	η = 0.1	x: 2.087 m η = 0.1	x: 2.088 m η = 1.2	x: 2.088 m η = 3.5	x: 2.087 m η < 0.1	x: 2.087 m η = 0.1	x: 2.088 m η = 7.1	x: 2.088 m η = 9.5	x: 2.088 m η = 9.0	**CUMPLE η = 9.5**
N178/N231	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.878 m η = 2.8	x: 0.878 m η = 5.6	η = 0.7	x: 2.051 m η = 1.0	x: 2.051 m η = 3.8	η = 0.2	x: 2.05 m η = 0.1	x: 2.051 m η = 1.1	x: 2.051 m η = 4.1	x: 2.05 m η < 0.1	x: 2.051 m η = 0.2	x: 2.051 m η = 7.9	x: 2.051 m η = 9.6	x: 2.051 m η = 9.2	**CUMPLE η = 9.6**
N178/N229	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.086 m η = 2.5	x: 0.098 m η = 6.9	η = 0.3	x: 2.087 m η = 1.5	x: 0.098 m η = 2.7	η = 0.1	x: 2.086 m η = 0.2	x: 2.087 m η = 0.9	x: 0.098 m η = 2.7	x: 2.086 m η < 0.1	x: 0.098 m η = 0.1	x: 0.098 m η = 5.7	x: 2.087 m η = 8.7	x: 2.087 m η = 8.7	**CUMPLE η = 8.7**
N180/N229	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.682 m η = 2.7	x: 0.682 m η = 4.7	η = 1.0	x: 2.048 m η = 0.9	x: 2.048 m η = 4.1	η = 0.2	x: 2.047 m η = 0.1	x: 2.048 m η = 1.1	x: 2.048 m η = 4.6	x: 2.047 m η < 0.1	x: 2.048 m η = 0.2	x: 2.048 m η = 8.0	x: 2.048 m η = 8.4	x: 2.048 m η = 7.9	**CUMPLE η = 8.4**
N180/N227	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.987 m η = 3.1	x: 0.095 m η = 8.9	η = 0.5	x: 1.988 m η = 1.8	x: 0.095 m η = 2.6	η = 0.2	x: 1.987 m η = 0.2	x: 1.988 m η = 1.8	x: 0.095 m η = 2.8	x: 1.987 m η < 0.1	x: 0.095 m η = 0.1	x: 0.095 m η = 4.8	x: 1.988 m η = 11.0	x: 1.988 m η = 11.1	**CUMPLE η = 11.1**
N182/N227	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.662 m η = 2.9	x: 0.662 m η = 3.8	η = 1.3	x: 1.986 m η = 0.7	x: 1.986 m η = 4.5	η = 0.2	x: 1.985 m η = 0.1	x: 1.986 m η = 1.0	x: 1.986 m η = 5.1	x: 1.985 m η < 0.1	x: 1.986 m η = 0.3	x: 1.986 m η = 8.3	x: 1.986 m η = 7.1	x: 1.986 m η = 6.8	**CUMPLE η = 8.3**
N182/N225	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.906 m η = 3.8	x: 0.096 m η = 11.2	x: 1.545 m η = 1.1	x: 1.907 m η = 2.1	x: 0.096 m η = 2.6	x: 1.545 m η = 0.3	x: 1.906 m η = 0.3	x: 1.907 m η = 2.2	x: 0.096 m η = 3.1	x: 1.907 m η < 0.1	x: 0.096 m η = 0.1	x: 1.907 m η = 3.0	x: 1.907 m η = 13.6	x: 1.907 m η = 13.8	**CUMPLE η = 13.8**
N184/N225	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.903 m η = 4.1	x: 0.097 m η = 3.5	η = 1.7	x: 1.904 m η = 0.7	x: 1.904 m η = 5.3	η = 0.3	x: 1.903 m η = 0.1	x: 1.904 m η = 1.0	x: 1.904 m η = 6.0	x: 1.903 m η < 0.1	x: 1.904 m η = 0.4	x: 1.904 m η = 9.6	x: 1.904 m η = 4.0	x: 1.904 m η = 7.7	**CUMPLE η = 9.6**
N184/N223	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.804 m η = 4.4	x: 0.098 m η = 13.8	x: 1.165 m η = 1.3	x: 1.805 m η = 2.5	x: 1.805 m η = 2.5	x: 1.165 m η = 0.2	x: 1.804 m η = 0.3	x: 1.805 m η = 2.6	x: 1.805 m η = 3.0	x: 1.805 m η = 0.1	x: 1.805 m η = 0.1	N.P.[1]	x: 1.805 m η = 16.3	x: 1.805 m η = 16.8	**CUMPLE η = 16.8**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N186/N223	w / t ≤ (w / t)Máx. Cumple	x: 1.797 m η = 6.7	x: 0.098 m η = 4.6	x: 0.311 m η = 2.0	x: 1.798 m η = 0.6	x: 1.798 m η = 7.0	x: 0.311 m η = 0.6	x: 0.098 m η = 0.1	x: 0.098 m η = 1.0	x: 1.798 m η = 7.8	x: 0.098 m η < 0.1	x: 1.798 m η = 0.6	x: 1.798 m η = 12.2	x: 1.798 m η = 5.2	x: 1.798 m η = 10.1	**CUMPLE η = 12.2**
N186/N221	w / t ≤ (w / t)Máx. Cumple	x: 1.654 m η = 5.9	x: 0.101 m η = 20.2	x: 0.878 m η = 1.3	x: 1.655 m η = 3.2	x: 1.655 m η = 5.3	η = 0.5	x: 1.654 m η = 0.5	x: 1.655 m η = 3.3	x: 1.655 m η = 5.9	x: 1.655 m η = 0.1	x: 1.655 m η = 0.3	x: 0.101 m η = 7.6	x: 1.655 m η = 24.6	x: 1.655 m η = 24.2	**CUMPLE η = 24.6**
N188/N221	w / t ≤ (w / t)Máx. Cumple	x: 1.648 m η = 7.6	x: 0.101 m η = 4.6	x: 0.682 m η = 1.9	x: 1.649 m η = 0.8	x: 1.649 m η = 5.7	x: 0.295 m η = 0.5	x: 0.101 m η = 0.1	x: 0.101 m η = 1.0	x: 1.649 m η = 6.5	x: 0.101 m η < 0.1	x: 1.649 m η = 0.4	x: 1.649 m η = 11.4	x: 1.649 m η = 5.2	x: 1.649 m η = 9.2	**CUMPLE η = 11.4**
N188/N219	w / t ≤ (w / t)Máx. Cumple	x: 1.551 m η = 6.2	x: 0.104 m η = 22.1	x: 0.647 m η = 1.6	x: 1.552 m η = 4.1	x: 1.552 m η = 7.4	x: 0.647 m η = 0.7	x: 1.551 m η = 0.6	x: 1.552 m η = 4.1	x: 1.552 m η = 8.1	x: 1.552 m η = 0.2	x: 1.552 m η = 0.7	x: 0.104 m η = 8.2	x: 1.552 m η = 27.1	x: 1.552 m η = 27.2	**CUMPLE η = 27.2**
N190/N219	w / t ≤ (w / t)Máx. Cumple	x: 1.539 m η = 9.1	x: 0.104 m η = 4.6	x: 0.642 m η = 2.1	x: 1.54 m η = 1.5	x: 1.54 m η = 5.2	x: 0.642 m η = 0.5	x: 0.104 m η = 0.1	x: 1.54 m η = 1.6	x: 1.54 m η = 6.0	x: 1.539 m η < 0.1	x: 1.54 m η = 0.4	x: 1.54 m η = 12.3	x: 1.54 m η = 5.4	x: 1.54 m η = 11.0	**CUMPLE η = 12.3**
N190/N217	w / t ≤ (w / t)Máx. Cumple	x: 1.563 m η = 3.9	x: 0.106 m η = 14.0	x: 0.835 m η = 1.5	x: 0.106 m η = 3.4	x: 1.564 m η = 6.8	η = 0.6	x: 1.563 m η = 0.4	x: 0.106 m η = 3.5	x: 1.564 m η = 7.5	x: 0.106 m η = 0.1	x: 1.564 m η = 0.6	x: 0.106 m η = 5.4	x: 0.106 m η = 17.7	x: 0.106 m η = 18.3	**CUMPLE η = 18.3**
N192/N217	w / t ≤ (w / t)Máx. Cumple	x: 1.565 m η = 0.6	x: 0.106 m η = 3.6	x: 0.653 m η = 1.9	x: 0.106 m η = 2.3	x: 1.566 m η = 5.8	x: 0.471 m η = 0.6	x: 1.565 m η = 0.2	x: 0.106 m η = 2.4	x: 1.566 m η = 6.6	x: 0.106 m η = 0.1	x: 1.566 m η = 0.4	x: 1.566 m η = 9.7	x: 1.566 m η = 10.1	x: 1.566 m η = 9.6	**CUMPLE η = 10.1**
N192/N215	w / t ≤ (w / t)Máx. Cumple	x: 1.572 m η = 2.2	x: 0.106 m η = 1.0	x: 0.839 m η = 1.7	x: 0.106 m η = 1.5	x: 1.573 m η = 5.5	x: 0.473 m η = 0.5	x: 1.572 m η = 0.2	x: 0.106 m η = 1.5	x: 1.573 m η = 6.2	x: 0.106 m η < 0.1	x: 1.573 m η = 0.4	x: 1.573 m η = 10.4	x: 1.573 m η = 7.7	x: 1.573 m η = 8.5	**CUMPLE η = 10.4**
N194/N215	w / t ≤ (w / t)Máx. Cumple	x: 1.571 m η = 3.8	x: 0.106 m η = 20.6	x: 0.656 m η = 1.5	x: 0.106 m η = 4.0	x: 1.572 m η = 6.7	η = 0.6	x: 1.571 m η = 0.5	x: 0.106 m η = 4.0	x: 1.572 m η = 7.3	x: 0.106 m η = 0.2	x: 1.572 m η = 0.5	N.P.(1)	x: 0.106 m η = 25.3	x: 0.106 m η = 25.5	**CUMPLE η = 25.5**
N194/N213	w / t ≤ (w / t)Máx. Cumple	x: 1.563 m η = 15.1	x: 0.106 m η = 4.6	x: 0.835 m η = 2.3	x: 1.563 m η = 1.4	x: 1.564 m η = 4.6	η = 0.5	x: 0.106 m η = 0.2	x: 1.563 m η = 1.4	x: 1.564 m η = 5.6	x: 1.563 m η < 0.1	x: 1.564 m η = 0.3	x: 1.563 m η = 17.3	x: 1.564 m η = 5.2	x: 1.563 m η = 16.9	**CUMPLE η = 17.3**
N196/N213	w / t ≤ (w / t)Máx. Cumple	x: 1.56 m η = 7.5	x: 0.106 m η = 38.5	η = 0.8	x: 0.106 m η = 5.5	x: 1.561 m η = 8.1	η = 0.6	x: 1.56 m η = 0.7	x: 0.106 m η = 5.5	x: 1.561 m η = 8.5	x: 0.106 m η = 0.3	x: 1.561 m η = 0.7	x: 0.106 m η = 9.3	x: 0.106 m η = 45.2	x: 0.106 m η = 45.3	**CUMPLE η = 45.3**
N196/N211	w / t ≤ (w / t)Máx. Cumple	x: 1.535 m η = 29.2	x: 0.107 m η = 9.6	x: 0.464 m η = 3.3	x: 1.536 m η = 3.1	x: 1.536 m η = 3.3	x: 0.464 m η = 0.4	x: 0.107 m η = 0.4	x: 1.536 m η = 3.1	x: 1.536 m η = 4.8	x: 1.536 m η = 0.1	x: 1.536 m η = 0.2	x: 1.536 m η = 33.3	x: 1.536 m η = 10.8	x: 1.536 m η = 33.0	**CUMPLE η = 33.3**
N198/N211	w / t ≤ (w / t)Máx. Cumple	x: 1.53 m η = 11.5	x: 0.107 m η = 58.2	η = 0.5	x: 1.531 m η = 7.4	x: 1.531 m η = 10.9	x: 0.463 m η = 0.9	x: 1.53 m η = 1.0	x: 1.531 m η = 7.4	x: 1.531 m η = 11.1	x: 1.531 m η = 0.6	x: 1.531 m η = 1.2	x: 0.107 m η = 13.9	x: 1.531 m η = 68.0	x: 1.531 m η = 67.4	**CUMPLE η = 68.0**
N198/N209	w / t ≤ (w / t)Máx. Cumple	x: 1.49 m η = 46.4	x: 0.109 m η = 15.3	x: 1.49 m η = 5.1	x: 0.109 m η = 5.5	x: 0.109 m η = 2.4	x: 1.49 m η = 0.3	x: 0.109 m η = 0.8	x: 0.109 m η = 5.5	x: 0.109 m η = 4.6	x: 0.109 m η = 0.3	x: 0.109 m η = 0.2	x: 0.109 m η = 53.5	x: 1.491 m η = 17.3	x: 0.109 m η = 53.2	**CUMPLE η = 53.5**
N144/N205	w / t ≤ (w / t)Máx. Cumple	x: 1.46 m η = 21.8	x: 0.206 m η = 7.9	x: 1.461 m η = 3.5	x: 0.206 m η = 1.7	x: 1.461 m η = 3.1	η = 0.2	x: 0.206 m η = 0.2	x: 1.46 m η = 2.0	x: 1.461 m η = 4.6	x: 1.46 m η < 0.1	x: 1.461 m η = 0.2	x: 1.461 m η = 24.9	x: 0.206 m η = 10.0	x: 1.461 m η = 24.1	**CUMPLE η = 24.9**
N144/N203	w / t ≤ (w / t)Máx. Cumple	x: 1.045 m η = 0.8	x: 0.201 m η = 4.6	η = 2.2	x: 0.201 m η = 2.0	x: 0.201 m η = 17.2	η = 3.3	x: 1.045 m η = 0.4	x: 0.201 m η = 2.0	x: 0.201 m η = 18.2	x: 0.201 m η < 0.1	x: 0.201 m η = 3.4	N.P.(1)	x: 0.201 m η = 20.8	x: 0.201 m η = 22.9	**CUMPLE η = 22.9**
N144/N204	w / t ≤ (w / t)Máx. Cumple	x: 0.921 m η = 0.9	x: 0.085 m η = 1.4	x: 0.504 m η = 2.2	x: 0.922 m η = 4.2	x: 0.085 m η = 14.6	x: 0.504 m η = 2.7	x: 0.085 m η = 0.9	x: 0.922 m η = 2.2	x: 0.085 m η = 15.6	x: 0.922 m η = 0.2	x: 0.085 m η = 2.5	x: 0.085 m η = 22.1	x: 0.085 m η = 18.0	x: 0.085 m η = 18.7	**CUMPLE η = 22.1**
N201/N205	w / t ≤ (w / t)Máx. Cumple	x: 0.986 m η = 1.4	x: 0.086 m η = 0.5	η = 2.0	x: 0.086 m η = 12.5	x: 0.086 m η = 6.1	η = 0.6	x: 0.086 m η = 2.6	x: 0.086 m η = 12.5	x: 0.086 m η = 6.9	x: 0.086 m η = 1.6	x: 0.086 m η = 0.5	x: 0.987 m η = 17.9	x: 0.086 m η = 5.0	x: 0.086 m η = 17.0	**CUMPLE η = 17.9**
N200/N207	w / t ≤ (w / t)Máx. Cumple	x: 1.07 m η = 0.8	x: 0.085 m η = 2.0	x: 0.332 m η = 0.9	x: 1.071 m η = 4.2	x: 1.071 m η = 13.4	x: 0.332 m η = 1.8	x: 1.07 m η = 0.8	x: 1.071 m η = 4.2	x: 1.071 m η = 13.8	x: 1.071 m η = 0.2	x: 1.071 m η = 1.9	x: 1.071 m η = 2.3	x: 1.071 m η = 15.8	x: 1.071 m η = 17.0	**CUMPLE η = 17.0**
N199/N209	w / t ≤ (w / t)Máx. Cumple	x: 1.15 m η = 2.2	x: 0.085 m η = 1.7	η = 3.0	x: 0.085 m η = 23.0	x: 1.151 m η = 17.0	x: 0.263 m η = 2.2	x: 0.085 m η = 4.0	x: 0.085 m η = 23.1	x: 1.151 m η = 18.3	x: 0.085 m η = 5.5	x: 1.151 m η = 3.4	x: 1.151 m η = 32.5	x: 1.151 m η = 12.9	x: 0.085 m η = 30.0	**CUMPLE η = 32.5**
N198/N210	w / t ≤ (w / t)Máx. Cumple	x: 1.175 m η = 1.1	x: 0.085 m η = 0.8	η = 0.8	x: 1.176 m η = 16.0	x: 1.176 m η = 8.4	x: 0.086 m η = 0.8	x: 0.085 m η = 2.8	x: 1.176 m η = 16.1	x: 1.176 m η = 8.5	x: 1.176 m η = 2.7	x: 1.176 m η = 0.7	x: 1.176 m η = 21.2	x: 1.176 m η = 10.2	x: 1.176 m η = 20.9	**CUMPLE η = 21.2**
N197/N211	w / t ≤ (w / t)Máx. Cumple	x: 1.208 m η = 3.3	x: 0.085 m η = 1.7	x: 0.085 m η = 3.5	x: 0.085 m η = 13.1	x: 1.209 m η = 6.7	x: 0.085 m η = 0.6	x: 0.085 m η = 2.2	x: 0.085 m η = 13.2	x: 1.209 m η = 8.2	x: 0.085 m η = 1.8	x: 1.209 m η = 0.7	x: 0.085 m η = 20.0	x: 1.209 m η = 7.7	x: 0.085 m η = 19.6	**CUMPLE η = 20.0**
N196/N212	w / t ≤ (w / t)Máx. Cumple	x: 1.221 m η = 1.1	x: 0.085 m η = 1.2	η = 0.9	x: 1.222 m η = 10.1	x: 1.222 m η = 3.1	η = 0.1	x: 0.085 m η = 1.7	x: 1.222 m η = 10.2	x: 1.222 m η = 3.5	x: 1.222 m η = 1.1	x: 1.221 m η = 0.1	x: 1.222 m η = 13.3	x: 0.085 m η = 7.5	x: 1.222 m η = 12.8	**CUMPLE η = 13.3**
N195/N213	w / t ≤ (w / t)Máx. Cumple	x: 1.243 m η = 2.2	x: 0.085 m η = 0.8	η = 2.7	x: 0.085 m η = 7.7	x: 1.244 m η = 3.3	η = 0.2	x: 0.085 m η = 1.3	x: 0.085 m η = 7.7	x: 1.244 m η = 4.5	x: 0.085 m η = 0.6	x: 1.244 m η = 0.2	x: 1.244 m η = 12.2	x: 0.085 m η = 3.5	x: 0.085 m η = 11.8	**CUMPLE η = 12.2**
N194/N214	w / t ≤ (w / t)Máx. Cumple	x: 1.33 m η = 0.5	x: 0.085 m η = 0.9	η = 1.1	x: 1.33 m η = 4.5	x: 1.33 m η = 1.3	η = 0.1	x: 0.085 m η = 0.7	x: 1.33 m η = 4.5	x: 1.33 m η = 1.7	x: 1.33 m η = 0.2	x: 1.33 m η < 0.1	x: 0.085 m η = 2.9	x: 1.33 m η = 5.6	x: 1.33 m η = 6.3	**CUMPLE η = 6.3**
N193/N215	w / t ≤ (w / t)Máx. Cumple	x: 1.253 m η = 1.8	x: 0.085 m η = 0.9	x: 0.28 m η = 2.5	x: 0.085 m η = 3.1	x: 1.254 m η = 1.4	η = 0.1	x: 0.085 m η = 0.5	x: 0.085 m η = 3.1	x: 1.254 m η = 2.4	x: 0.085 m η = 0.1	x: 1.253 m η = 0.1	x: 1.254 m η = 6.2	x: 0.085 m η = 2.3	x: 0.085 m η = 5.4	**CUMPLE η = 6.2**
N192/N216	w / t ≤ (w / t)Máx. Cumple	x: 1.332 m η = 0.4	x: 0.085 m η = 1.0	x: 0.916 m η = 1.1	x: 0.085 m η = 0.8	x: 0.085 m η = 0.6	η < 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 1.0	x: 1.332 m η = 1.0	x: 0.085 m η < 0.1	x: 1.332 m η < 0.1	N.P.(1)	x: 0.085 m η = 2.2	x: 0.085 m η = 2.0	**CUMPLE η = 2.2**
N191/N217	w / t ≤ (w / t)Máx. Cumple	x: 1.242 m η = 1.8	x: 0.085 m η = 0.9	η = 2.7	x: 1.243 m η = 1.4	x: 1.243 m η = 1.1	η = 0.1	x: 1.242 m η = 0.3	x: 1.243 m η = 1.8	x: 1.243 m η = 2.3	x: 1.242 m η < 0.1	x: 1.242 m η = 0.1	x: 1.243 m η = 4.2	x: 1.05 m η = 1.8	x: 1.243 m η = 3.4	**CUMPLE η = 4.2**
N190/N218	w / t ≤ (w / t)Máx. Cumple	x: 1.311 m η = 0.4	x: 0.085 m η = 1.2	η = 1.0	x: 1.311 m η = 3.1	x: 1.311 m η = 1.1	η = 0.1	x: 1.311 m η = 0.5	x: 1.311 m η = 3.1	x: 1.311 m η = 1.4	x: 1.311 m η = 0.1	x: 1.311 m η < 0.1	x: 0.085 m η = 2.4	x: 0.085 m η = 4.7	x: 0.085 m η = 5.0	**CUMPLE η = 5.0**
N189/N219	w / t ≤ (w / t)Máx. Cumple	x: 1.251 m η = 1.1	x: 0 m η = 0.7	x: 1.251 m η = 2.6	x: 1.252 m η = 5.0	x: 1.252 m η = 1.8	η = 0.2	x: 1.251 m η = 0.8	x: 1.252 m η = 5.1	x: 1.252 m η = 3.0	x: 1.252 m η = 0.3	x: 1.252 m η = 0.1	x: 1.252 m η = 7.7	x: 1.252 m η = 2.4	x: 1.252 m η = 7.2	**CUMPLE η = 7.7**
N188/N220	w / t ≤ (w / t)Máx. Cumple	x: 1.329 m η = 5.2	x: 0.079 m η = 1.9	x: 0.08 m η = 1.0	x: 1.33 m η = 3.8	x: 1.33 m η = 1.6	x: 0.079 m η = 0.2	x: 1.329 m η = 0.6	x: 1.33 m η = 3.9	x: 1.33 m η = 2.0	x: 1.33 m η = 0.2	x: 1.329 m η < 0.1	x: 1.33 m η = 10.5	x: 0.079 m η = 3.6	x: 1.33 m η = 10.0	**CUMPLE η = 10.5**
N187/N221	w / t ≤ (w / t)Máx. Cumple	x: 1.376 m η = 0.6	x: 0 m η = 0.1	η = 2.3	x: 1.377 m η = 3.3	x: 1.377 m η = 0.9	η = 0.1	x: 1.376 m η = 0.5	x: 1.377 m η = 3.4	x: 1.376 m η = 1.1	x: 1.377 m η = 0.1	x: 1.376 m η < 0.1	x: 1.377 m η = 5.5	x: 0 m η = 1.7	x: 1.377 m η = 4.7	**CUMPLE η = 5.5**
N186/N222	w / t ≤ (w / t)Máx. Cumple	x: 1.48 m η = 4.2	x: 0.085 m η = 1.6	η = 0.9	x: 1.481 m η = 3.6	x: 1.481 m η = 0.7	η = 0.1	x: 1.48 m η = 0.5	x: 1.481 m η = 3.7	x: 1.481 m η = 0.8	x: 1.481 m η = 0.1	x: 1.48 m η < 0.1	x: 1.481 m η = 9.0	x: 0.085 m η = 3.1	x: 1.481 m η = 8.7	**CUMPLE η = 9.0**
N185/N223	w / t ≤ (w / t)Máx. Cumple	x: 1.549 m η = 0.6	x: 0 m η = 0.3	x: 0 m η = 2.3	x: 0 m η = 2.1	x: 1.55 m η = 2.6	x: 0 m η = 0.2	x: 1.549 m η = 0.3	x: 0 m η = 2.2	x: 1.55 m η = 3.6	x: 0 m η = 0.1	x: 1.55 m η = 0.1	x: 1.55 m η = 6.5	x: 0 m η = 1.3	x: 1.55 m η = 3.6	**CUMPLE η = 6.5**
N184/N224	w / t ≤ (w / t)Máx. Cumple	x: 1.609 m η = 2.1	x: 0.089 m η = 0.9	η = 0.3	x: 1.61 m η = 2.2	x: 1.61 m η = 1.3	η = 0.1	x: 1.609 m η = 0.3	x: 1.61 m η = 2.3	x: 1.61 m η = 1.3	x: 1.61 m η = 0.1	x: 1.609 m η < 0.1	x: 1.61 m η = 5.4	x: 0.089 m η = 2.0	x: 1.61 m η = 4.8	**CUMPLE η = 5.4**
N183/N225	w / t ≤ (w / t)Máx. Cumple	x: 1.66 m η = 0.5	x: 0 m η = 0.4	η = 1.7	x: 1.661 m η = 1.6	x: 1.661 m η = 2.2	η = 0.1	x: 1.66 m η = 0.2	x: 1.661 m η = 1.7	x: 1.661 m η = 2.9	x: 1.66 m η < 0.1	x: 1.66 m η = 0.1	x: 1.661 m η = 5.2	x: 1.661 m η = 1.5	x: 1.661 m η = 2.9	**CUMPLE η = 5.2**
N182/N226	w / t ≤ (w / t)Máx. Cumple	x: 1.715 m η = 1.9	x: 0.093 m η = 0.8	η = 0.5	x: 1.716 m η = 1.5	x: 0.093 m η = 1.5	η = 0.1	x: 1.715 m η = 0.2	x: 1.716 m η = 1.6	x: 0.093 m η = 1.7	x: 1.715 m η < 0.1	x: 0.093 m η < 0.1	x: 1.716 m η = 4.2	x: 0.093 m η = 1.7	x: 1.716 m η = 3.7	**CUMPLE η = 4.2**
N181/N227	w / t ≤ (w / t)Máx. Cumple	x: 1.75 m η = 0.5	x: 0 m η = 0.4	η = 1.1	x: 1.751 m η = 1.1	x: 1.751 m η = 2.4	η = 0.1	x: 1.75 m η = 0.1	x: 1.751 m η = 1.1	x: 1.751 m η = 2.8	x: 1.75 m η < 0.1	x: 1.75 m η = 0.1	x: 1.751 m η = 4.7	x: 0 m η = 1.7	x: 1.751 m η = 3.1	**CUMPLE η = 4.7**
N180/N228	w / t ≤ (w / t)Máx. Cumple	x: 1.799 m η = 1.7	x: 0.096 m η = 0.7	η = 0.6	x: 1.8 m η = 1.1	x: 1.8 m η = 1.5	η < 0.1	x: 1.799 m η = 0.1	x: 1.8 m η = 1.0	x: 1.799 m η = 1.8	x: 1.799 m η < 0.1	x: 1.799 m η < 0.1	x: 1.8 m η = 3.8	x: 0.096 m η = 1.4	x: 1.8 m η = 2.9	**CUMPLE η = 3.8**
N179/N229	w / t ≤ (w / t)Máx. Cumple	x: 1.819 m η = 0.4	x: 0 m η = 0.6	η = 0.6	x: 1.82 m η = 0.8	x: 1.82 m η = 2.6	η = 0.1	x: 1.819 m η = 0.1	x: 1.82 m η = 0.9	x: 1.82 m η = 2.9	x: 1.819 m η < 0.1	x: 1.819 m η = 0.1	x: 1.82 m η = 4.6	x: 1.82 m η = 3.6	x: 1.82 m η = 3.4	**CUMPLE η = 4.6**
N178/N230	w / t ≤ (w / t)Máx. Cumple	x: 1.862 m η = 1.5	x: 0.098 m η = 0.6	η = 0.8	x: 1.863 m η = 0.9	x: 1.863 m η = 2.3	η = 0.1	x: 1.862 m η = 0.1	x: 1.863 m η = 1.0	x: 1.863 m η = 2.6	x: 1.862 m η < 0.1	x: 1.862 m η = 0.1	x: 1.863 m η = 4.9	x: 0.098 m η = 1.2	x: 1.863 m η = 3.3	**CUMPLE η = 4.9**
N177/N231	w / t ≤ (w / t)Máx. Cumple	x: 1.86 m η = 0.3	x: 0 m η = 0.5	η = 0.5	x: 0 m η = 0.8	x: 1.861 m η = 3.3	η = 0.1	x: 0 m η = 0.1	x: 0 m η = 0.9	x: 1.861 m η = 3.3	x: 0 m η < 0.1	x: 1.861 m η = 0.1	x: 1.861 m η = 4.7	x: 1.861 m η = 4.0	x: 1.861 m η = 4.2	**CUMPLE η = 4.7**
N176/N232	w / t ≤ (w / t)Máx. Cumple	x: 1.899 m η = 1.4	x: 0.099 m η = 0.6	η = 0.8	x: 0.099 m η = 0.9	x: 1.9 m η = 2.9	η = 0.1	x: 0.099 m η = 0.1	x: 0.099 m η = 1.2	x: 1.9 m η = 3.3	x: 0.099 m η < 0.1	x: 1.899 m η = 0.1	x: 1.9 m η = 5.9	x: 1.9 m η = 1.0	x: 1.9 m η = 4.1	**CUMPLE η = 5.9**
N175/N233	w / t ≤ (w / t)Máx. Cumple	x: 1.888 m η = 0.5	x: 0 m η = 1.2	η = 0.6	x: 0 m η = 1.0	x: 1.889 m η = 4.2	x: 0.189 m η = 0.3	x: 0 m η = 0.1	x: 0 m η = 1.2	x: 1.889 m η = 4.4	x: 0 m η < 0.1	x: 1.889 m η = 0.2	x: 1.889 m η = 6.6	x: 1.889 m η = 5.5	x: 1.889 m η = 5.5	**CUMPLE η = 6.6**
N174/N234	w / t ≤ (w / t)Máx. Cumple	x: 1.913 m η = 1.8	x: 0.085 m η = 0.7	η = 0.6	x: 0.085 m η = 1.1	x: 1.914 m η = 3.5	x: 0.268 m η = 0.2	x: 0.085 m η = 0.1	x: 0.085 m η = 1.3	x: 1.914 m η = 3.7	x: 0.085 m η < 0.1	x: 1.914 m η = 0.1	x: 1.914 m η = 6.9	x: 1.914 m η = 1.1	x: 1.914 m η = 5.2	**CUMPLE η = 6.9**
N173/N235	w / t ≤ (w / t)Máx. Cumple	x: 1.889 m η = 0.6	x: 0 m η = 1.2	η = 0.3	x: 1.89 m η = 1.4	x: 1.89 m η = 4.2	x: 0.189 m η = 0.3	x: 1.889 m η = 0.1	x: 1.89 m η = 1.4	x: 1.89 m η = 4.3	x: 1.889 m η < 0.1	x: 1.89 m η = 0.2	x: 1.89 m η = 7.4	x: 1.89 m η = 6.1	x: 1.89 m η = 6.1	**CUMPLE η = 7.4**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N172/N236	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.891 m η = 1.5	x: 0.099 m η = 2.0	η = 0.4	x: 1.892 m η = 1.4	x: 1.892 m η = 1.7	x: 0.547 m η = 0.1	x: 1.891 m η = 0.1	x: 1.892 m η = 1.5	x: 1.892 m η = 1.8	x: 1.891 m η < 0.1	x: 1.891 m η < 0.1	x: 1.892 m η = 3.5	x: 0.099 m η = 3.2	x: 0.099 m η = 3.0	**CUMPLE η = 3.5**
N171/N237	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.853 m η = 0.4	x: 0 m η = 0.7	η = 0.5	x: 0 m η = 1.8	x: 1.854 m η = 3.2	x: 0.371 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 1.8	x: 1.854 m η = 3.3	x: 0 m η < 0.1	x: 1.854 m η = 0.1	x: 1.854 m η = 5.7	x: 1.854 m η = 4.7	x: 1.854 m η = 4.6	**CUMPLE η = 5.7**
N170/N238	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.862 m η = 1.5	x: 0.098 m η = 0.5	η = 0.9	x: 1.863 m η = 1.9	x: 1.863 m η = 2.6	η = 0.2	x: 1.862 m η = 0.2	x: 0.098 m η = 2.0	x: 1.863 m η = 3.0	x: 0.098 m η < 0.1	x: 1.862 m η = 0.1	x: 1.863 m η = 5.6	x: 1.863 m η = 1.1	x: 1.863 m η = 3.9	**CUMPLE η = 5.6**
N169/N239	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.815 m η = 0.4	x: 0 m η = 0.8	η = 0.8	x: 0 m η = 1.7	x: 1.816 m η = 3.0	η = 0.2	x: 1.815 m η = 0.2	x: 0 m η = 2.0	x: 1.816 m η = 3.1	x: 0 m η < 0.1	x: 1.816 m η = 0.1	x: 1.816 m η = 4.5	x: 1.816 m η = 4.0	x: 1.816 m η = 4.1	**CUMPLE η = 4.5**
N168/N240	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.799 m η = 1.7	x: 0.096 m η = 0.7	η = 1.0	x: 1.8 m η = 2.2	x: 1.8 m η = 2.2	η = 0.1	x: 1.799 m η = 0.3	x: 1.8 m η = 2.4	x: 1.8 m η = 2.5	x: 1.8 m η = 0.1	x: 1.799 m η = 0.1	x: 1.8 m η = 5.0	x: 0.096 m η = 2.9	x: 1.8 m η = 3.7	**CUMPLE η = 5.0**
N167/N241	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.746 m η = 0.4	x: 0 m η = 0.5	η = 1.0	x: 0 m η = 2.1	x: 1.747 m η = 3.0	η = 0.2	x: 1.746 m η = 0.2	x: 0 m η = 2.5	x: 1.747 m η = 3.3	x: 0 m η = 0.1	x: 1.747 m η = 0.1	x: 1.747 m η = 6.0	x: 1.747 m η = 4.4	x: 1.747 m η = 3.8	**CUMPLE η = 6.0**
N166/N242	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.715 m η = 1.9	x: 0.093 m η = 0.8	η = 1.1	x: 1.716 m η = 2.7	x: 1.716 m η = 3.5	η = 0.2	x: 1.715 m η = 0.3	x: 1.716 m η = 3.0	x: 1.716 m η = 3.9	x: 1.716 m η = 0.1	x: 1.716 m η = 0.2	x: 1.716 m η = 8.5	x: 1.716 m η = 5.4	x: 1.716 m η = 5.5	**CUMPLE η = 8.5**
N165/N243	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.654 m η = 0.7	x: 0 m η = 0.7	η = 1.5	x: 0 m η = 2.6	x: 1.655 m η = 5.6	x: 0 m η = 0.5	x: 1.654 m η = 0.3	x: 0 m η = 3.0	x: 1.655 m η = 5.9	x: 0 m η = 0.1	x: 1.655 m η = 0.4	x: 1.655 m η = 9.1	x: 1.655 m η = 6.5	x: 1.655 m η = 7.2	**CUMPLE η = 9.1**
N164/N244	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.609 m η = 2.2	x: 0.089 m η = 0.9	η = 0.5	x: 1.61 m η = 3.4	x: 1.61 m η = 5.9	x: 0.279 m η = 0.5	x: 1.609 m η = 0.4	x: 1.61 m η = 3.5	x: 1.61 m η = 5.9	x: 1.61 m η = 0.1	x: 1.61 m η = 0.4	x: 1.61 m η = 9.1	x: 1.61 m η = 4.9	x: 1.61 m η = 8.1	**CUMPLE η = 9.1**
N163/N245	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.542 m η = 1.4	x: 0 m η = 1.5	η = 2.1	x: 0 m η = 3.4	x: 1.543 m η = 5.7	x: 0.193 m η = 0.5	x: 1.542 m η = 0.4	x: 0 m η = 3.5	x: 1.543 m η = 5.9	x: 0 m η = 0.1	x: 1.543 m η = 0.4	x: 1.543 m η = 9.0	x: 1.35 m η = 5.2	x: 1.543 m η = 7.5	**CUMPLE η = 9.0**
N162/N246	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.48 m η = 4.3	x: 0.085 m η = 2.3	η = 0.9	x: 1.481 m η = 3.6	x: 1.481 m η = 3.7	η = 0.3	x: 1.48 m η = 0.5	x: 1.481 m η = 3.7	x: 1.481 m η = 4.0	x: 1.481 m η = 0.1	x: 1.481 m η = 0.2	x: 1.481 m η = 9.2	x: 1.481 m η = 4.0	x: 1.481 m η = 8.8	**CUMPLE η = 9.2**
N161/N247	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.368 m η = 1.5	x: 0 m η = 1.6	x: 0.913 m η = 2.5	x: 1.369 m η = 3.3	x: 1.369 m η = 3.3	η = 0.2	x: 1.368 m η = 0.5	x: 1.369 m η = 3.4	x: 1.369 m η = 3.5	x: 1.369 m η = 0.1	x: 1.369 m η = 0.1	x: 1.369 m η = 6.1	x: 0 m η = 3.5	x: 1.369 m η = 4.5	**CUMPLE η = 6.1**
N160/N248	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.329 m η = 5.3	x: 0.079 m η = 1.9	η = 0.8	x: 1.33 m η = 3.8	x: 1.33 m η = 1.9	η = 0.1	x: 1.329 m η = 0.6	x: 1.33 m η = 3.9	x: 1.33 m η = 2.1	x: 1.33 m η = 0.2	x: 1.329 m η < 0.1	x: 1.33 m η = 10.5	x: 0.079 m η = 3.5	x: 1.33 m η = 10.1	**CUMPLE η = 10.5**
N159/N249	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.24 m η = 2.0	x: 0 m η = 1.9	η = 2.5	x: 1.241 m η = 5.0	x: 1.241 m η = 2.3	η = 0.1	x: 1.24 m η = 0.8	x: 1.241 m η = 5.1	x: 1.241 m η = 2.8	x: 1.241 m η = 0.3	x: 1.24 m η = 0.1	x: 1.241 m η = 7.7	x: 0 m η = 4.7	x: 1.241 m η = 7.1	**CUMPLE η = 7.7**
N158/N250	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.225 m η = 0.9	x: 0.085 m η = 1.6	η = 1.3	x: 1.226 m η = 4.3	x: 1.226 m η = 2.1	η = 0.1	x: 1.225 m η = 0.7	x: 1.226 m η = 4.3	x: 1.226 m η = 2.1	x: 1.226 m η = 0.2	x: 1.225 m η < 0.1	x: 1.226 m η = 6.6	x: 1.226 m η = 5.1	x: 1.226 m η = 6.2	**CUMPLE η = 6.6**
N157/N251	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.232 m η = 2.0	x: 0.085 m η = 1.3	η = 2.4	x: 1.233 m η = 3.3	x: 1.233 m η = 3.6	η = 0.3	x: 1.232 m η = 0.6	x: 1.233 m η = 3.4	x: 1.233 m η = 3.6	x: 1.233 m η = 0.1	x: 1.233 m η = 0.1	x: 1.233 m η = 7.6	x: 0.085 m η = 5.2	x: 1.233 m η = 6.3	**CUMPLE η = 7.6**
N156/N252	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.332 m η = 0.7	x: 0.085 m η = 1.3	η = 1.2	x: 1.332 m η = 2.5	x: 1.332 m η = 3.0	η = 0.3	x: 0.085 m η = 0.4	x: 1.332 m η = 2.5	x: 1.332 m η = 3.0	x: 0.085 m η = 0.1	x: 1.332 m η = 0.1	x: 1.332 m η = 4.7	x: 0.085 m η = 4.7	x: 0.085 m η = 4.5	**CUMPLE η = 4.7**
N155/N253	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.244 m η = 1.7	x: 0.085 m η = 0.9	x: 0.085 m η = 2.6	x: 0.085 m η = 3.2	x: 1.245 m η = 3.4	η = 0.3	x: 0.085 m η = 0.5	x: 0.085 m η = 3.3	x: 1.245 m η = 3.6	x: 0.085 m η = 0.1	x: 1.245 m η = 0.1	x: 1.245 m η = 6.1	x: 0.085 m η = 5.3	x: 0.085 m η = 5.4	**CUMPLE η = 6.1**
N154/N254	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.33 m η = 0.5	x: 0.085 m η = 0.9	η = 1.1	x: 1.33 m η = 4.6	x: 1.33 m η = 1.7	η = 0.1	x: 0.085 m η = 0.7	x: 1.33 m η = 4.6	x: 1.33 m η = 1.9	x: 1.33 m η = 0.2	x: 1.33 m η < 0.1	x: 1.33 m η = 3.6	x: 1.33 m η = 5.5	x: 1.33 m η = 6.3	**CUMPLE η = 6.3**
N153/N255	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.234 m η = 1.9	x: 0.085 m η = 0.6	η = 2.7	x: 0.085 m η = 7.8	x: 1.235 m η = 2.8	η = 0.2	x: 0.085 m η = 1.3	x: 0.085 m η = 7.9	x: 1.235 m η = 3.9	x: 0.085 m η = 0.6	x: 1.235 m η = 0.2	x: 1.235 m η = 12.2	x: 1.235 m η = 5.6	x: 0.085 m η = 11.7	**CUMPLE η = 12.2**
N152/N256	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.221 m η = 0.6	x: 0.085 m η = 0.6	η = 0.9	x: 1.222 m η = 10.2	x: 1.222 m η = 3.1	η = 0.1	x: 0.085 m η = 1.7	x: 1.222 m η = 10.3	x: 1.222 m η = 3.4	x: 1.222 m η = 1.1	x: 1.222 m η = 0.1	x: 1.222 m η = 13.4	x: 0.085 m η = 7.5	x: 1.222 m η = 12.9	**CUMPLE η = 13.4**
N151/N257	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.201 m η = 2.7	x: 0.085 m η = 0.5	x: 0.085 m η = 3.4	x: 0.085 m η = 13.3	x: 1.202 m η = 6.6	η = 0.5	x: 0.085 m η = 2.3	x: 0.085 m η = 13.4	x: 1.202 m η = 8.1	x: 0.085 m η = 1.8	x: 1.202 m η = 0.7	x: 0.085 m η = 19.7	x: 0.085 m η = 6.2	x: 0.085 m η = 19.3	**CUMPLE η = 19.7**
N150/N258	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.175 m η = 0.9	x: 0.085 m η = 0.3	η = 0.8	x: 1.176 m η = 16.1	x: 1.176 m η = 8.2	x: 0.085 m η = 0.8	x: 0.085 m η = 2.8	x: 1.176 m η = 16.2	x: 1.176 m η = 8.2	x: 1.176 m η = 2.7	x: 1.176 m η = 0.7	x: 1.176 m η = 21.4	x: 1.176 m η = 7.1	x: 1.176 m η = 21.0	**CUMPLE η = 21.4**
N149/N259	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.144 m η = 0.9	x: 0.085 m η = 0.7	x: 0.438 m η = 3.1	x: 0.085 m η = 23.2	x: 1.145 m η = 16.7	x: 0.438 m η = 2.1	x: 0.085 m η = 4.1	x: 0.085 m η = 23.3	x: 1.145 m η = 18.0	x: 0.085 m η = 5.6	x: 1.145 m η = 3.3	x: 1.145 m η = 31.8	x: 1.145 m η = 9.5	x: 0.085 m η = 29.3	**CUMPLE η = 31.8**
N148/N260	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.108 m η = 1.0	x: 0.085 m η = 4.3	η = 3.4	x: 1.109 m η = 5.1	x: 1.109 m η = 13.7	x: 0.426 m η = 1.9	x: 0.085 m η = 0.7	x: 1.109 m η = 5.2	x: 1.109 m η = 15.1	x: 1.109 m η = 0.3	x: 1.109 m η = 2.3	x: 1.109 m η = 3.5	x: 1.109 m η = 19.1	x: 1.109 m η = 18.3	**CUMPLE η = 19.1**
N147/N261	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.066 m η = 0.8	x: 0.085 m η = 2.1	x: 0.33 m η = 1.2	x: 1.067 m η = 4.2	x: 1.067 m η = 13.9	x: 0.33 m η = 1.9	x: 1.066 m η = 0.8	x: 1.067 m η = 4.2	x: 1.067 m η = 14.4	x: 1.067 m η = 0.2	x: 1.067 m η = 2.1	x: 1.067 m η = 6.6	x: 1.067 m η = 16.4	x: 1.067 m η = 17.8	**CUMPLE η = 17.8**
N146/N263	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.983 m η = 1.4	x: 0.086 m η = 0.2	η = 2.1	x: 0.086 m η = 5.7	x: 0.086 m η = 12.7	η = 2.6	η = 0.5	x: 0.086 m η = 6.6	x: 0.086 m η = 12.7	x: 0.086 m η = 0.4	x: 0.086 m η = 1.7	x: 0.984 m η = 18.0	x: 0.984 m η = 4.2	x: 0.086 m η = 17.2	**CUMPLE η = 18.0**
N139/N264	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.916 m η = 0.7	x: 0.085 m η = 1.1	η = 2.4	x: 0.917 m η = 4.2	x: 0.085 m η = 17.0	η = 3.1	x: 0.916 m η = 0.9	x: 0.085 m η = 2.5	x: 0.085 m η = 18.1	x: 0.917 m η = 0.2	x: 0.085 m η = 3.4	x: 0.085 m η = 25.4	x: 0.085 m η = 20.9	x: 0.085 m η = 22.0	**CUMPLE η = 25.4**
N276/N270	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.682 m η < 0.1	x: 0.085 m η = 0.1	x: 0.086 m η = 7.0	x: 0.683 m η = 3.5	x: 0.683 m η = 4.2	x: 0.086 m η = 1.6	x: 0.683 m η = 1.2	x: 0.683 m η = 3.7	x: 0.683 m η = 7.2	x: 0.683 m η = 0.2	x: 0.683 m η = 0.5	x: 0.683 m η = 13.1	x: 0.683 m η = 10.5	x: 0.086 m η = 8.7	**CUMPLE η = 13.1**
N270/N277	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.022 m η = 0.6	x: 0.138 m η = 3.6	x: 1.022 m η = 2.9	x: 0.138 m η = 8.7	x: 0.138 m η = 10.6	x: 1.022 m η = 1.0	x: 1.023 m η = 2.4	x: 0.138 m η = 8.7	x: 0.138 m η = 11.8	x: 0.138 m η = 0.8	x: 0.138 m η = 1.4	x: 0.138 m η = 10.4	x: 0.138 m η = 16.7	x: 0.138 m η = 14.7	**CUMPLE η = 16.7**
N279/N280	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.979 m η = 8.6	x: 0.045 m η = 45.3	η = 1.7	x: 0.98 m η = 3.4	x: 0.045 m η = 8.9	η = 1.1	x: 0.045 m η = 1.0	x: 0.98 m η = 3.6	x: 0.045 m η = 9.5	x: 0.98 m η = 0.1	x: 0.045 m η = 0.9	x: 0.98 m η = 9.8	x: 0.98 m η = 49.3	x: 0.98 m η = 49.6	**CUMPLE η = 49.6**
N280/N281	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.992 m η = 3.5	x: 0.057 m η = 23.7	η = 2.1	x: 0.057 m η = 1.9	x: 0.057 m η = 3.6	η = 0.5	x: 0.057 m η = 0.5	x: 0.057 m η = 2.1	x: 0.057 m η = 4.4	x: 0.057 m η < 0.1	x: 0.057 m η = 0.2	x: 0.057 m η = 6.2	x: 0.057 m η = 26.2	x: 0.057 m η = 26.1	**CUMPLE η = 26.2**
N281/N282	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.982 m η = 3.5	x: 0.045 m η = 23.5	η = 2.2	x: 0.983 m η = 4.6	x: 0.983 m η = 2.5	η = 0.3	x: 0.045 m η = 1.3	x: 0.983 m η = 4.7	x: 0.045 m η = 3.2	x: 0.983 m η = 0.2	x: 0.045 m η = 0.1	x: 0.983 m η = 6.6	x: 0.983 m η = 28.6	x: 0.983 m η = 29.2	**CUMPLE η = 29.2**
N282/N283	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.526 m η = 7.9	x: 0.526 m η = 14.4	η = 1.5	x: 0.057 m η = 1.2	x: 0.995 m η = 2.6	η = 0.2	x: 0.994 m η = 0.3	x: 0.995 m η = 1.5	x: 0.995 m η = 2.8	x: 0.994 m η < 0.1	x: 0.994 m η = 0.1	x: 0.995 m η = 10.7	x: 0.057 m η = 16.4	x: 0.995 m η = 15.6	**CUMPLE η = 16.4**
N283/N284	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.983 m η = 7.9	x: 0.045 m η = 14.4	η = 1.1	x: 0.984 m η = 5.0	x: 0.984 m η = 3.1	η = 0.2	x: 0.045 m η = 1.2	x: 0.984 m η = 5.1	x: 0.984 m η = 3.3	x: 0.984 m η = 0.3	x: 0.983 m η = 0.1	x: 0.984 m η = 11.7	x: 0.045 m η = 16.3	x: 0.984 m η = 15.9	**CUMPLE η = 16.3**
N284/N285	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.995 m η = 12.3	x: 0.056 m η = 15.5	η = 0.7	x: 0.056 m η = 3.3	x: 0.056 m η = 3.3	η = 0.2	x: 0.995 m η = 0.6	x: 0.056 m η = 3.3	x: 0.056 m η = 3.4	x: 0.056 m η = 0.1	x: 0.056 m η = 0.1	x: 0.996 m η = 15.0	x: 0.056 m η = 17.7	x: 0.056 m η = 17.2	**CUMPLE η = 17.7**
N285/N286	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.984 m η = 12.3	x: 0.045 m η = 15.6	η = 0.7	x: 0.985 m η = 4.8	x: 0.045 m η = 2.7	η = 0.1	x: 0.045 m η = 1.0	x: 0.985 m η = 4.8	x: 0.046 m η = 2.9	x: 0.985 m η = 0.2	x: 0.046 m η = 0.1	x: 0.985 m η = 16.6	x: 0.045 m η = 17.6	x: 0.045 m η = 16.9	**CUMPLE η = 17.6**
N286/N287	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.995 m η = 16.4	x: 0.057 m η = 19.2	η = 0.7	x: 0.057 m η = 4.4	x: 0.057 m η = 2.8	η = 0.1	x: 0.995 m η = 0.9	x: 0.057 m η = 4.5	x: 0.057 m η = 3.0	x: 0.057 m η = 0.2	x: 0.057 m η = 0.1	x: 0.995 m η = 18.6	x: 0.996 m η = 21.1	x: 0.996 m η = 21.2	**CUMPLE η = 21.2**
N287/N288	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.045 m η = 16.4	x: 0.045 m η = 19.3	η = 0.7	x: 0.983 m η = 4.2	x: 0.045 m η = 2.6	η = 0.1	x: 0.045 m η = 0.8	x: 0.983 m η = 4.3	x: 0.045 m η = 2.8	x: 0.983 m η = 0.2	x: 0.045 m η = 0.1	x: 0.983 m η = 19.8	x: 0.045 m η = 20.7	x: 0.045 m η = 20.4	**CUMPLE η = 20.7**
N288/N289	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.93 m η = 19.7	x: 0.055 m η = 24.7	η = 0.9	x: 0.055 m η = 5.3	x: 0.93 m η = 2.7	η = 0.1	x: 0.93 m η = 1.4	x: 0.055 m η = 5.5	x: 0.93 m η = 2.9	x: 0.055 m η = 0.3	x: 0.93 m η = 0.1	x: 0.93 m η = 24.1	x: 0.93 m η = 28.9	x: 0.93 m η = 29.8	**CUMPLE η = 29.8**
N289/N290	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.886 m η = 19.7	x: 0 m η = 24.7	η = 0.9	x: 0.887 m η = 3.7	x: 0.887 m η = 2.8	η = 0.2	x: 0 m η = 0.5	x: 0.887 m η = 3.8	x: 0.887 m η = 2.8	x: 0.886 m η = 0.1	x: 0.886 m η = 0.1	x: 0.887 m η = 24.5	x: 0 m η = 28.3	x: 0 m η = 29.1	**CUMPLE η = 29.1**
N290/N291	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.953 m η = 8.6	x: 0.054 m η = 15.1	η = 0.9	x: 0.054 m η = 4.3	x: 0.953 m η = 3.7	η = 0.3	x: 0.953 m η = 1.0	x: 0.054 m η = 4.5	x: 0.953 m η = 4.0	x: 0.054 m η = 0.2	x: 0.953 m η = 0.2	x: 0.054 m η = 14.2	x: 0.054 m η = 17.7	x: 0.054 m η = 18.2	**CUMPLE η = 18.2**
N291/N292	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.894 m η = 8.6	x: 0 m η = 15.0	η = 0.9	x: 0 m η = 1.7	x: 0.895 m η = 4.6	η = 0.3	x: 0 m η = 0.5	x: 0 m η = 1.9	x: 0.895 m η = 4.9	x: 0 m η < 0.1	x: 0.895 m η = 0.2	x: 0.895 m η = 13.4	x: 0.895 m η = 18.6	x: 0.895 m η = 19.0	**CUMPLE η = 19.0**
N292/N293	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.951 m η = 4.4	x: 0.052 m η = 15.5	η = 1.1	x: 0.052 m η = 2.7	x: 0.052 m η = 4.8	η = 0.3	x: 0.951 m η = 1.1	x: 0.052 m η = 2.8	x: 0.052 m η = 4.9	x: 0.052 m η = 0.1	x: 0.052 m η = 0.2	x: 0.052 m η = 11.6	x: 0.052 m η = 18.5	x: 0.052 m η = 18.9	**CUMPLE η = 18.9**
N293/N294	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.891 m η = 4.4	x: 0 m η = 15.5	η = 1.2	x: 0 m η = 1.9	x: 0 m η = 4.1	η = 0.2	x: 0 m η = 0.8	x: 0 m η = 2.0	x: 0 m η = 4.1	x: 0 m η < 0.1	x: 0 m η = 0.2	x: 0 m η = 8.4	x: 0 m η = 17.8	x: 0 m η = 17.8	**CUMPLE η = 17.8**
N294/N295	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.938 m η = 5.7	x: 0.051 m η = 18.1	η = 1.4	x: 0.051 m η = 2.4	x: 0.938 m η = 4.3	η = 0.2	x: 0.938 m η = 1.0	x: 0.051 m η = 2.5	x: 0.938 m η = 4.4	x: 0.051 m η = 0.1	x: 0.938 m η = 0.2	x: 0.051 m η = 6.8	x: 0.051 m η = 20.9	x: 0.051 m η = 21.1	**CUMPLE η = 21.1**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N295/N296	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.9 m η = 5.7	x: 0 m η = 18.1	η = 1.4	x: 0 m η = 1.9	x: 0.901 m η = 4.5	η = 0.2	x: 0 m η = 0.7	x: 0 m η = 1.9	x: 0.901 m η = 4.6	x: 0 m η < 0.1	x: 0.9 m η = 0.2	x: 0 m η = 6.5	x: 0 m η = 20.4	x: 0 m η = 20.5	**CUMPLE** **η = 20.5**
N296/N297	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.948 m η = 6.7	x: 0.051 m η = 19.9	η = 1.3	x: 0.948 m η = 2.1	x: 0.948 m η = 5.5	η = 0.2	x: 0.948 m η = 0.9	x: 0.948 m η = 2.1	x: 0.948 m η = 5.8	x: 0.948 m η = 0.1	x: 0.948 m η = 0.3	x: 0.948 m η = 7.9	x: 0.948 m η = 22.3	x: 0.948 m η = 22.5	**CUMPLE** **η = 22.5**
N297/N298	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.885 m η = 6.7	x: 0 m η = 19.9	η = 1.2	x: 0 m η = 1.9	x: 0.886 m η = 5.7	η = 0.2	x: 0 m η = 0.7	x: 0 m η = 1.9	x: 0.886 m η = 6.0	x: 0 m η < 0.1	x: 0.885 m η = 0.4	x: 0 m η = 7.7	x: 0 m η = 22.2	x: 0 m η = 22.3	**CUMPLE** **η = 22.3**
N298/N299	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.935 m η = 7.5	x: 0.05 m η = 21.0	η = 1.0	x: 0.935 m η = 2.2	x: 0.935 m η = 6.4	η = 0.2	x: 0.935 m η = 0.9	x: 0.935 m η = 2.2	x: 0.935 m η = 6.7	x: 0.935 m η = 0.1	x: 0.935 m η = 0.4	x: 0.935 m η = 8.8	x: 0.935 m η = 23.5	x: 0.935 m η = 23.7	**CUMPLE** **η = 23.7**
N299/N300	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.971 m η = 7.5	x: 0 m η = 21.1	η = 0.9	x: 0 m η = 2.1	x: 0.972 m η = 6.6	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 2.1	x: 0.972 m η = 6.8	x: 0 m η < 0.1	x: 0.971 m η = 0.5	x: 0 m η = 8.7	x: 0 m η = 23.5	x: 0 m η = 23.7	**CUMPLE** **η = 23.7**
N300/N301	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.839 m η = 8.1	x: 0.049 m η = 21.6	η = 0.7	x: 0.839 m η = 1.9	x: 0.839 m η = 7.0	η = 0.4	x: 0.839 m η = 0.8	x: 0.839 m η = 2.0	x: 0.839 m η = 7.1	x: 0.839 m η < 0.1	x: 0.839 m η = 0.5	x: 0.839 m η = 9.3	x: 0.839 m η = 23.9	x: 0.839 m η = 24.1	**CUMPLE** **η = 24.1**
N301/N302	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.905 m η = 8.1	x: 0 m η = 21.8	η = 0.7	x: 0.906 m η = 2.0	x: 0.906 m η = 7.4	η = 0.4	x: 0 m η = 0.7	x: 0.906 m η = 2.2	x: 0.906 m η = 7.5	x: 0.905 m η < 0.1	x: 0.906 m η = 0.6	x: 0 m η = 9.2	x: 0 m η = 23.9	x: 0 m η = 24.1	**CUMPLE** **η = 24.1**
N302/N303	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.945 m η = 8.3	x: 0.058 m η = 22.2	η = 0.7	x: 0.945 m η = 2.2	x: 0.058 m η = 5.2	η = 0.6	x: 0.945 m η = 0.8	x: 0.058 m η = 2.4	x: 0.058 m η = 5.2	x: 0.058 m η = 0.1	x: 0.058 m η = 0.3	x: 0.945 m η = 9.5	x: 0.945 m η = 24.6	x: 0.945 m η = 24.9	**CUMPLE** **η = 24.9**
N303/N304	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.09 m η = 8.3	x: 0 m η = 22.4	η = 0.6	x: 0 m η = 2.1	x: 1.091 m η = 4.9	η = 0.5	x: 0 m η = 0.7	x: 0 m η = 2.1	x: 1.091 m η = 4.9	x: 0 m η = 0.1	x: 1.091 m η = 0.2	x: 0 m η = 9.5	x: 0 m η = 24.7	x: 0 m η = 25.0	**CUMPLE** **η = 25.0**
N305/N304	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.127 m η = 8.2	x: 0 m η = 22.7	η = 0.7	x: 0 m η = 2.2	x: 0 m η = 6.0	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 2.2	x: 0 m η = 6.3	x: 0 m η = 0.1	x: 0 m η = 0.4	x: 0 m η = 9.2	x: 0 m η = 25.0	x: 0 m η = 25.4	**CUMPLE** **η = 25.4**
N306/N305	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.929 m η = 8.2	x: 0.05 m η = 22.5	x: 0.929 m η = 1.0	x: 0.929 m η = 2.1	x: 0.05 m η = 6.6	η = 0.2	x: 0.929 m η = 0.8	x: 0.929 m η = 2.2	x: 0.05 m η = 7.0	x: 0.929 m η = 0.1	x: 0.05 m η = 0.5	x: 0.929 m η = 9.3	x: 0.929 m η = 24.7	x: 0.929 m η = 25.1	**CUMPLE** **η = 25.1**
N307/N306	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.878 m η = 7.9	x: 0 m η = 22.3	η = 0.9	x: 0 m η = 1.8	x: 0 m η = 6.5	η = 0.1	x: 0 m η = 0.7	x: 0 m η = 1.8	x: 0 m η = 6.9	x: 0 m η < 0.1	x: 0 m η = 0.5	x: 0 m η = 8.8	x: 0 m η = 24.2	x: 0 m η = 24.5	**CUMPLE** **η = 24.5**
N308/N307	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.874 m η = 7.9	x: 0.049 m η = 22.3	η = 1.0	x: 0.874 m η = 1.8	x: 0.874 m η = 6.5	η = 0.1	x: 0.874 m η = 0.7	x: 0.874 m η = 1.8	x: 0.874 m η = 6.9	x: 0.874 m η < 0.1	x: 0.874 m η = 0.5	x: 0.874 m η = 8.8	x: 0.874 m η = 24.2	x: 0.874 m η = 24.5	**CUMPLE** **η = 24.5**
N309/N308	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.961 m η = 7.4	x: 0 m η = 21.8	η = 0.8	x: 0 m η = 1.9	x: 0.962 m η = 6.2	η = 0.1	x: 0 m η = 0.6	x: 0 m η = 1.9	x: 0.962 m η = 6.4	x: 0 m η < 0.1	x: 0.961 m η = 0.4	x: 0 m η = 8.3	x: 0 m η = 23.9	x: 0 m η = 24.1	**CUMPLE** **η = 24.1**
N310/N309	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.945 m η = 7.4	x: 0.05 m η = 21.8	η = 0.9	x: 0.945 m η = 1.9	x: 0.945 m η = 6.0	η = 0.1	x: 0.945 m η = 0.7	x: 0.945 m η = 2.0	x: 0.945 m η = 6.2	x: 0.945 m η < 0.1	x: 0.945 m η = 0.4	x: 0.945 m η = 8.4	x: 0.945 m η = 23.9	x: 0.945 m η = 24.2	**CUMPLE** **η = 24.2**
N311/N310	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.902 m η = 6.7	x: 0 m η = 20.7	η = 0.8	x: 0 m η = 1.7	x: 0.903 m η = 5.6	η = 0.1	x: 0 m η = 0.6	x: 0 m η = 1.8	x: 0.903 m η = 5.7	x: 0 m η < 0.1	x: 0.902 m η = 0.3	x: 0 m η = 7.5	x: 0 m η = 22.6	x: 0 m η = 22.8	**CUMPLE** **η = 22.8**
N312/N311	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.931 m η = 6.7	x: 0.051 m η = 20.7	η = 0.8	x: 0.931 m η = 1.8	x: 0.931 m η = 5.3	η = 0.2	x: 0.931 m η = 0.8	x: 0.931 m η = 1.9	x: 0.931 m η = 5.3	x: 0.931 m η < 0.1	x: 0.931 m η = 0.3	x: 0.931 m η = 7.6	x: 0.931 m η = 22.8	x: 0.931 m η = 23.0	**CUMPLE** **η = 23.0**
N313/N312	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.901 m η = 5.8	x: 0 m η = 19.1	η = 0.7	x: 0 m η = 1.6	x: 0.902 m η = 4.8	η = 0.1	x: 0 m η = 0.6	x: 0 m η = 1.7	x: 0.902 m η = 5.1	x: 0 m η < 0.1	x: 0.901 m η = 0.3	x: 0 m η = 6.5	x: 0 m η = 21.0	x: 0 m η = 21.0	**CUMPLE** **η = 21.0**
N314/N313	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.936 m η = 5.8	x: 0.051 m η = 19.0	η = 0.8	x: 0.051 m η = 1.9	x: 0.936 m η = 4.6	η = 0.1	x: 0.936 m η = 0.8	x: 0.051 m η = 2.1	x: 0.936 m η = 4.9	x: 0.051 m η < 0.1	x: 0.936 m η = 0.2	x: 0.051 m η = 6.8	x: 0.051 m η = 21.4	x: 0.051 m η = 21.4	**CUMPLE** **η = 21.4**
N315/N314	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.893 m η = 4.8	x: 0 m η = 16.5	η = 0.9	x: 0 m η = 1.5	x: 0.894 m η = 4.3	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 1.8	x: 0.894 m η = 4.7	x: 0 m η < 0.1	x: 0.893 m η = 0.2	x: 0.894 m η = 7.3	x: 0 m η = 18.6	x: 0 m η = 18.5	**CUMPLE** **η = 18.6**
N316/N315	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.949 m η = 4.8	x: 0.052 m η = 16.5	x: 0.949 m η = 0.8	x: 0.052 m η = 2.3	x: 0.949 m η = 4.1	η = 0.2	x: 0.949 m η = 0.9	x: 0.052 m η = 2.5	x: 0.949 m η = 4.3	x: 0.052 m η = 0.1	x: 0.949 m η = 0.2	x: 0.052 m η = 7.8	x: 0.052 m η = 19.5	x: 0.052 m η = 19.3	**CUMPLE** **η = 19.5**
N317/N316	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.671 m η = 6.4	x: 0.671 m η = 13.3	η = 0.8	x: 0 m η = 1.3	x: 0.895 m η = 3.1	η = 0.3	x: 0 m η = 0.4	x: 0.895 m η = 1.3	x: 0.895 m η = 3.3	x: 0.894 m η < 0.1	x: 0.894 m η = 0.1	x: 0 m η = 8.5	x: 0 m η = 15.1	x: 0 m η = 15.0	**CUMPLE** **η = 15.1**
N318/N317	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.953 m η = 6.4	x: 0.054 m η = 13.3	η = 0.8	x: 0.054 m η = 3.0	x: 0.054 m η = 3.0	η = 0.3	x: 0.953 m η = 0.9	x: 0.054 m η = 3.2	x: 0.953 m η = 3.1	x: 0.054 m η = 0.1	x: 0.953 m η = 0.1	x: 0.054 m η = 8.9	x: 0.054 m η = 16.0	x: 0.054 m η = 15.9	**CUMPLE** **η = 16.0**
N319/N318	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.678 m η = 8.1	x: 0 m η = 12.7	x: 0.902 m η = 0.8	x: 0 m η = 1.6	x: 0 m η = 3.2	η = 0.1	x: 0 m η = 0.5	x: 0.903 m η = 1.8	x: 0 m η = 3.4	x: 0.902 m η < 0.1	x: 0 m η = 0.1	x: 0 m η = 10.1	x: 0 m η = 14.7	x: 0 m η = 14.7	**CUMPLE** **η = 14.7**
N320/N319	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.699 m η = 8.1	x: 0.055 m η = 12.7	η = 0.9	x: 0.055 m η = 5.2	x: 0.055 m η = 3.3	η = 0.1	x: 0.914 m η = 1.5	x: 0.055 m η = 5.5	x: 0.055 m η = 3.5	x: 0.055 m η = 0.3	x: 0.055 m η = 0.1	x: 0.055 m η = 11.3	x: 0.914 m η = 14.6	x: 0.914 m η = 14.8	**CUMPLE** **η = 14.8**
N321/N320	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.986 m η = 8.9	x: 0.045 m η = 11.6	η = 0.9	x: 0.987 m η = 4.1	x: 0.987 m η = 3.0	η = 0.1	x: 0.045 m η = 0.8	x: 0.987 m η = 4.3	x: 0.987 m η = 3.3	x: 0.987 m η = 0.2	x: 0.986 m η = 0.1	x: 0.987 m η = 11.9	x: 0.045 m η = 12.1	x: 0.045 m η = 12.0	**CUMPLE** **η = 12.1**
N322/N321	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.993 m η = 8.9	x: 0.056 m η = 11.6	η = 0.8	x: 0.056 m η = 4.3	x: 0.994 m η = 3.0	η = 0.1	x: 0.993 m η = 0.9	x: 0.056 m η = 4.4	x: 0.994 m η = 3.1	x: 0.056 m η = 0.2	x: 0.993 m η = 0.1	x: 0.056 m η = 12.0	x: 0.994 m η = 12.4	x: 0.994 m η = 12.1	**CUMPLE** **η = 12.4**
N323/N322	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.045 m η = 8.7	x: 0.045 m η = 12.0	η = 0.7	x: 0.984 m η = 4.6	x: 0.984 m η = 2.7	η = 0.1	x: 0.045 m η = 0.9	x: 0.984 m η = 4.6	x: 0.984 m η = 2.8	x: 0.984 m η = 0.2	x: 0.983 m η = 0.1	x: 0.984 m η = 12.2	x: 0.045 m η = 12.8	x: 0.045 m η = 12.6	**CUMPLE** **η = 12.8**
N324/N323	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.996 m η = 8.7	x: 0.056 m η = 12.0	η = 0.7	x: 0.056 m η = 3.1	x: 0.997 m η = 2.7	η = 0.1	x: 0.996 m η = 0.5	x: 0.056 m η = 3.2	x: 0.997 m η = 2.7	x: 0.056 m η = 0.1	x: 0.996 m η = 0.1	x: 0.056 m η = 11.9	x: 0.056 m η = 13.1	x: 0.056 m η = 12.7	**CUMPLE** **η = 13.1**
N325/N324	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.045 m η = 7.8	x: 0.045 m η = 14.5	η = 1.1	x: 0.987 m η = 4.7	x: 0.987 m η = 2.4	η = 0.1	x: 0.045 m η = 1.1	x: 0.987 m η = 4.9	x: 0.987 m η = 2.5	x: 0.987 m η = 0.2	x: 0.986 m η = 0.1	x: 0.987 m η = 11.6	x: 0.045 m η = 15.7	x: 0.987 m η = 16.0	**CUMPLE** **η = 16.0**
N326/N325	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.056 m η = 7.8	x: 0.056 m η = 14.6	η = 1.3	x: 0.056 m η = 1.4	x: 0.993 m η = 2.2	η = 0.1	x: 0.992 m η = 0.2	x: 0.056 m η = 1.7	x: 0.993 m η = 2.4	x: 0.056 m η < 0.1	x: 0.992 m η = 0.1	x: 0.056 m η = 10.5	x: 0.056 m η = 16.1	x: 0.056 m η = 15.8	**CUMPLE** **η = 16.1**
N327/N326	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.98 m η = 6.0	x: 0.045 m η = 23.5	η = 2.0	x: 0.981 m η = 4.1	x: 0.045 m η = 2.0	η = 0.3	x: 0.045 m η = 1.1	x: 0.981 m η = 4.4	x: 0.045 m η = 2.8	x: 0.981 m η = 0.2	x: 0.045 m η = 0.1	x: 0.981 m η = 9.7	x: 0.981 m η = 28.2	x: 0.981 m η = 28.6	**CUMPLE** **η = 28.6**
N328/N327	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.526 m η = 5.9	x: 0.057 m η = 23.7	η = 2.0	x: 0.995 m η = 2.6	x: 0.057 m η = 3.5	η = 0.4	x: 0.057 m η = 0.9	x: 0.995 m η = 3.2	x: 0.057 m η = 4.3	x: 0.995 m η = 0.1	x: 0.057 m η = 0.2	x: 0.995 m η = 10.4	x: 0.057 m η = 27.1	x: 0.057 m η = 26.8	**CUMPLE** **η = 27.1**
N329/N328	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.978 m η = 8.5	x: 0.045 m η = 44.8	η = 1.5	x: 0.979 m η = 2.8	x: 0.045 m η = 8.8	η = 1.1	x: 0.045 m η = 0.7	x: 0.979 m η = 3.1	x: 0.045 m η = 9.3	x: 0.979 m η = 0.1	x: 0.045 m η = 0.9	x: 0.979 m η = 9.8	x: 0.979 m η = 48.4	x: 0.979 m η = 48.3	**CUMPLE** **η = 48.4**
N275/N331	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.066 m η = 0.6	x: 0.138 m η = 3.6	x: 1.066 m η = 2.7	x: 0.138 m η = 9.4	x: 0.138 m η = 10.1	x: 1.066 m η = 1.0	x: 1.066 m η = 2.5	x: 0.138 m η = 9.5	x: 0.138 m η = 11.3	x: 0.138 m η = 1.0	x: 0.138 m η = 1.3	x: 0.138 m η = 4.2	x: 0.138 m η = 16.5	x: 0.138 m η = 14.3	**CUMPLE** **η = 16.5**
N332/N275	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.661 m η < 0.1	x: 0.085 m η < 0.1	x: 0.086 m η = 6.9	x: 0.662 m η = 2.4	x: 0.662 m η = 4.2	x: 0.086 m η = 1.7	x: 0.085 m η = 0.8	x: 0.662 m η = 3.4	x: 0.662 m η = 7.2	x: 0.661 m η = 0.1	x: 0.662 m η = 0.5	x: 0.662 m η = 12.5	x: 0.662 m η = 10.5	x: 0.086 m η = 8.6	**CUMPLE** **η = 12.5**
N332/N333	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.841 m η = 0.3	x: 0.085 m η = 0.2	x: 0.464 m η = 1.4	x: 0.085 m η = 5.5	x: 0.085 m η = 0.7	η = 0.2	x: 0.653 m η = 1.7	x: 0.085 m η = 6.2	x: 0.653 m η = 0.8	x: 0.085 m η = 0.4	x: 0.653 m η < 0.1	x: 0.085 m η = 8.6	x: 0.085 m η = 6.9	x: 0.085 m η = 7.0	**CUMPLE** **η = 8.6**
N333/N334	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.767 m η = 0.9	x: 0.086 m η = 0.1	x: 0.427 m η = 1.0	x: 0.768 m η = 3.6	x: 0.086 m η = 6.7	η = 0.7	x: 0.086 m η = 1.1	x: 0.768 m η = 3.7	x: 0.086 m η = 7.1	x: 0.768 m η = 0.1	x: 0.086 m η = 0.5	x: 0.768 m η = 10.8	x: 0.768 m η = 1.2	x: 0.086 m η = 8.6	**CUMPLE** **η = 10.8**
N334/N335	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.988 m η = 1.1	x: 0.059 m η = 0.2	η = 1.2	x: 0.059 m η = 4.6	x: 0.059 m η = 18.9	η = 4.5	x: 0.989 m η = 1.3	x: 0.059 m η = 4.7	x: 0.059 m η = 19.5	x: 0.059 m η = 0.2	x: 0.059 m η = 4.0	x: 0.059 m η = 27.3	x: 0.059 m η = 1.7	x: 0.059 m η = 24.0	**CUMPLE** **η = 27.3**
N335/N336	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.847 m η = 12.6	x: 0.062 m η = 3.7	η = 2.5	x: 0.847 m η = 5.6	x: 0.062 m η = 15.1	η = 2.3	x: 0.847 m η = 1.6	x: 0.847 m η = 5.7	x: 0.062 m η = 16.1	x: 0.847 m η = 0.4	x: 0.062 m η = 2.6	x: 0.062 m η = 26.0	x: 0.847 m η = 6.2	x: 0.062 m η = 22.9	**CUMPLE** **η = 26.0**
N336/N337	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.935 m η = 12.7	x: 0.702 m η = 3.7	η = 1.1	x: 0 m η = 4.6	x: 0.936 m η = 6.4	η = 2.5	x: 0 m η = 1.2	x: 0 m η = 4.7	x: 0.936 m η = 6.9	x: 0 m η = 0.2	x: 0.936 m η = 0.5	x: 0 m η = 18.8	x: 0 m η = 6.2	x: 0 m η = 18.5	**CUMPLE** **η = 18.8**
N337/N338	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.955 m η = 16.4	x: 0.062 m η = 3.7	η = 2.4	x: 0.956 m η = 12.6	x: 0.062 m η = 19.3	η = 2.6	x: 0.956 m η = 3.1	x: 0.956 m η = 12.8	x: 0.062 m η = 20.3	x: 0.956 m η = 1.7	x: 0.062 m η = 4.2	x: 0.062 m η = 33.0	x: 0.956 m η = 6.8	x: 0.956 m η = 32.1	**CUMPLE** **η = 33.0**
N338/N339	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.935 m η = 16.3	x: 0 m η = 3.7	η = 1.3	x: 0 m η = 14.3	x: 0.936 m η = 10.3	x: 0.468 m η = 3.5	x: 0 m η = 2.8	x: 0 m η = 14.6	x: 0.936 m η = 10.8	x: 0 m η = 2.2	x: 0.936 m η = 1.3	x: 0 m η = 34.9	x: 0 m η = 7.2	x: 0 m η = 34.2	**CUMPLE** **η = 34.9**
N339/N340	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.956 m η = 2.6	x: 0.063 m η = 7.0	η = 1.1	x: 0.063 m η = 5.3	x: 0.063 m η = 23.5	η = 3.9	x: 0.063 m η = 1.8	x: 0.063 m η = 5.7	x: 0.063 m η = 23.7	x: 0.063 m η = 0.4	x: 0.063 m η = 5.8	x: 0.063 m η = 5.1	x: 0.063 m η = 27.5	x: 0.063 m η = 31.6	**CUMPLE** **η = 31.6**
N340/N341	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.933 m η = 2.7	x: 0 m η = 7.2	η = 1.8	x: 0.934 m η = 3.5	x: 0.934 m η = 16.6	x: 0.234 m η = 4.2	x: 0.934 m η = 1.0	x: 0.934 m η = 3.8	x: 0.934 m η = 17.3	x: 0.934 m η = 0.2	x: 0.934 m η = 3.2	x: 0.934 m η = 8.5	x: 0.934 m η = 20.4	x: 0.934 m η = 22.8	**CUMPLE** **η = 22.8**
N341/N342	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.951 m η = 6.8	x: 0.064 m η = 24.3	η = 0.9	x: 0.952 m η = 4.7	x: 0.064 m η = 23.3	η = 4.5	x: 0.064 m η = 1.8	x: 0.952 m η = 5.0	x: 0.064 m η = 23.4	x: 0.952 m η = 0.3	x: 0.064 m η = 5.7	x: 0.064 m η = 10.6	x: 0.064 m η = 32.3	x: 0.064 m η = 36.2	**CUMPLE** **η = 36.2**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N342/N343	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 6.9	x: 0 m η = 24.4	η = 1.0	x: 0 m η = 3.0	x: 0.938 m η = 20.6	x: 0.234 m η = 4.4	x: 0.937 m η = 0.6	x: 0 m η = 3.4	x: 0.938 m η = 20.8	x: 0 m η = 0.1	x: 0.938 m η = 4.5	x: 0 m η = 8.3	x: 0 m η = 28.5	x: 0.938 m η = 32.9	**CUMPLE** **η = 32.9**
N343/N344	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.006 m η = 9.3	x: 0.066 m η = 34.2	η = 0.6	x: 1.006 m η = 5.2	x: 0.066 m η = 21.3	η = 4.3	x: 0.066 m η = 1.5	x: 1.006 m η = 5.4	x: 0.066 m η = 21.4	x: 1.006 m η = 0.3	x: 0.066 m η = 4.8	x: 1.006 m η = 11.4	x: 1.006 m η = 40.2	x: 1.006 m η = 40.7	**CUMPLE** **η = 40.7**
N344/N345	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 9.3	x: 0 m η = 34.3	η = 0.6	x: 0 m η = 4.4	x: 0.928 m η = 23.0	η = 4.4	x: 0.927 m η = 0.9	x: 0 m η = 4.7	x: 0.928 m η = 23.2	x: 0 m η = 0.2	x: 0.928 m η = 5.6	x: 0 m η = 11.2	x: 0 m η = 39.5	x: 0 m η = 39.8	**CUMPLE** **η = 39.8**
N345/N346	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.004 m η = 10.1	x: 0.067 m η = 37.7	η = 0.5	x: 1.004 m η = 5.2	x: 0.067 m η = 20.4	η = 4.1	x: 0.067 m η = 1.2	x: 1.004 m η = 5.3	x: 0.067 m η = 20.5	x: 1.004 m η = 0.3	x: 0.067 m η = 4.4	x: 1.004 m η = 12.1	x: 1.004 m η = 43.4	x: 1.004 m η = 44.2	**CUMPLE** **η = 44.2**
N346/N347	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 10.2	x: 0 m η = 37.7	η = 0.5	x: 0 m η = 5.1	x: 0.928 m η = 21.3	x: 0.464 m η = 4.1	x: 0.927 m η = 1.2	x: 0 m η = 5.1	x: 0.928 m η = 21.4	x: 0 m η = 0.3	x: 0.928 m η = 4.7	x: 0 m η = 12.1	x: 0 m η = 43.2	x: 0 m η = 44.1	**CUMPLE** **η = 44.1**
N347/N348	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.007 m η = 9.4	x: 0.069 m η = 35.1	η = 0.7	x: 1.007 m η = 4.2	x: 0.069 m η = 20.0	η = 4.1	x: 0.069 m η = 0.9	x: 1.007 m η = 4.5	x: 0.069 m η = 20.0	x: 1.007 m η = 0.2	x: 0.069 m η = 4.2	x: 1.007 m η = 11.0	x: 1.007 m η = 40.0	x: 1.007 m η = 40.4	**CUMPLE** **η = 40.4**
N348/N349	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.922 m η = 9.4	x: 0 m η = 35.0	η = 0.6	x: 0 m η = 4.8	x: 0.923 m η = 20.7	η = 4.0	x: 0.922 m η = 1.1	x: 0 m η = 5.0	x: 0.923 m η = 20.7	x: 0 m η = 0.3	x: 0.923 m η = 4.4	x: 0 m η = 11.3	x: 0 m η = 40.5	x: 0 m η = 41.0	**CUMPLE** **η = 41.0**
N349/N350	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 7.7	x: 0.07 m η = 28.9	x: 0.734 m η = 1.5	x: 0.07 m η = 1.7	x: 0.07 m η = 21.1	x: 0.734 m η = 4.5	x: 0.954 m η = 0.4	x: 0.07 m η = 1.9	x: 0.07 m η = 21.7	x: 0.07 m η < 0.1	x: 0.07 m η = 4.9	x: 0.07 m η = 9.0	x: 0.07 m η = 32.9	x: 0.07 m η = 36.5	**CUMPLE** **η = 36.5**
N350/N351	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 7.7	x: 0 m η = 28.7	η = 1.2	x: 0.932 m η = 1.6	x: 0.932 m η = 21.9	η = 4.2	x: 0 m η = 0.3	x: 0.932 m η = 1.7	x: 0.932 m η = 22.2	x: 0.931 m η < 0.1	x: 0.932 m η = 5.1	x: 0.932 m η = 8.7	x: 0.932 m η = 33.2	x: 0.932 m η = 37.1	**CUMPLE** **η = 37.1**
N351/N352	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 6.2	x: 0.069 m η = 23.7	x: 0.733 m η = 1.6	x: 0.069 m η = 2.2	x: 0.069 m η = 18.7	x: 0.733 m η = 4.5	x: 0.954 m η = 0.6	x: 0.069 m η = 2.6	x: 0.069 m η = 19.3	x: 0.069 m η = 0.1	x: 0.069 m η = 3.9	x: 0.069 m η = 7.8	x: 0.069 m η = 29.4	x: 0.069 m η = 31.8	**CUMPLE** **η = 31.8**
N352/N353	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 6.1	x: 0 m η = 23.5	x: 0.467 m η = 1.8	x: 0.934 m η = 1.1	x: 0.934 m η = 23.8	η = 4.2	x: 0.933 m η = 0.3	x: 0.934 m η = 1.3	x: 0.934 m η = 24.4	x: 0.933 m η < 0.1	x: 0.934 m η = 6.1	x: 0.934 m η = 6.9	x: 0.934 m η = 33.8	x: 0.934 m η = 38.2	**CUMPLE** **η = 38.2**
N353/N354	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 5.0	x: 0.065 m η = 20.0	η = 1.2	x: 0.065 m η = 1.2	x: 0.065 m η = 12.5	x: 0.51 m η = 3.2	x: 0.065 m η = 0.3	x: 0.065 m η = 1.4	x: 0.065 m η = 13.0	x: 0.065 m η < 0.1	x: 0.065 m η = 1.8	x: 0.065 m η = 7.2	x: 0.065 m η = 22.1	x: 0.065 m η = 23.7	**CUMPLE** **η = 23.7**
N354/N355	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 5.0	x: 0 m η = 19.9	x: 0.469 m η = 1.4	x: 0.938 m η = 0.9	x: 0.938 m η = 19.0	η = 3.1	x: 0.937 m η = 0.3	x: 0.938 m η = 1.2	x: 0.938 m η = 19.5	x: 0.937 m η < 0.1	x: 0.938 m η = 3.9	x: 0.938 m η = 5.8	x: 0.938 m η = 27.8	x: 0.938 m η = 31.2	**CUMPLE** **η = 31.2**
N355/N356	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 4.1	x: 0.064 m η = 17.6	η = 0.7	x: 0.064 m η = 1.1	x: 0.064 m η = 13.2	η = 3.2	x: 0.064 m η = 0.2	x: 0.064 m η = 1.4	x: 0.064 m η = 13.5	x: 0.064 m η < 0.1	x: 0.064 m η = 1.9	x: 0.064 m η = 6.3	x: 0.064 m η = 21.5	x: 0.064 m η = 24.0	**CUMPLE** **η = 24.0**
N356/N357	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 4.1	x: 0 m η = 17.6	η = 0.8	x: 0.937 m η = 0.8	x: 0.937 m η = 18.8	η = 3.1	x: 0.937 m η = 0.3	x: 0.937 m η = 0.9	x: 0.937 m η = 19.1	x: 0.936 m η < 0.1	x: 0.937 m η = 3.8	x: 0.937 m η = 4.6	x: 0.937 m η = 26.5	x: 0.937 m η = 30.4	**CUMPLE** **η = 30.4**
N357/N358	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.5	x: 0.062 m η = 16.0	η = 0.8	x: 0.062 m η = 1.0	x: 0.062 m η = 8.0	x: 0.508 m η = 2.7	x: 0.062 m η = 0.2	x: 0.062 m η = 1.3	x: 0.062 m η = 8.0	x: 0.062 m η < 0.1	x: 0.062 m η = 0.7	x: 0.062 m η = 6.1	x: 0.062 m η = 16.4	x: 0.062 m η = 16.4	**CUMPLE** **η = 16.4**
N358/N359	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 3.4	x: 0 m η = 16.0	η = 0.6	x: 0.938 m η = 0.8	x: 0.938 m η = 16.4	η = 2.4	x: 0.938 m η = 0.2	x: 0.938 m η = 0.9	x: 0.938 m η = 16.5	x: 0.937 m η < 0.1	x: 0.938 m η = 2.8	x: 0.938 m η = 3.9	x: 0.938 m η = 23.0	x: 0.938 m η = 26.6	**CUMPLE** **η = 26.6**
N359/N360	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.0	x: 0.061 m η = 15.0	x: 0.508 m η = 0.9	x: 0.061 m η = 1.1	x: 0.955 m η = 4.8	x: 0.062 m η = 1.8	x: 0.061 m η = 0.3	x: 0.061 m η = 1.4	x: 0.955 m η = 5.1	x: 0.061 m η < 0.1	x: 0.955 m η = 0.3	x: 0.061 m η = 6.1	x: 0.061 m η = 15.7	x: 0.061 m η = 15.7	**CUMPLE** **η = 15.7**
N360/N361	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 3.0	x: 0.045 m η = 15.0	η = 0.7	x: 0.939 m η = 0.5	x: 0.939 m η = 13.7	η = 1.7	x: 0.939 m η = 0.1	x: 0.939 m η = 0.7	x: 0.939 m η = 13.7	x: 0.938 m η < 0.1	x: 0.939 m η = 1.9	x: 0.939 m η = 3.6	x: 0.939 m η = 19.3	x: 0.939 m η = 22.4	**CUMPLE** **η = 22.4**
N361/N362	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 2.7	x: 0.061 m η = 14.5	x: 0.061 m η = 1.3	x: 0.061 m η = 0.9	x: 0.955 m η = 5.4	η = 1.0	x: 0.061 m η = 0.2	x: 0.061 m η = 1.4	x: 0.955 m η = 5.9	x: 0.061 m η < 0.1	x: 0.955 m η = 0.4	x: 0.731 m η = 3.0	x: 0.061 m η = 15.2	x: 0.061 m η = 15.1	**CUMPLE** **η = 15.2**
N362/N363	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.7	x: 0.045 m η = 14.5	η = 0.8	x: 0.939 m η = 0.8	x: 0.939 m η = 10.4	η = 1.0	x: 0.939 m η = 0.2	x: 0.939 m η = 0.8	x: 0.939 m η = 10.6	x: 0.938 m η < 0.1	x: 0.939 m η = 1.1	x: 0.938 m η = 3.1	x: 0.939 m η = 15.8	x: 0.939 m η = 17.6	**CUMPLE** **η = 17.6**
N363/N364	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.188 m η = 2.5	x: 0.061 m η = 14.5	η = 1.7	x: 0.061 m η = 1.0	x: 0.061 m η = 7.3	η = 0.8	x: 0.061 m η = 0.2	x: 0.061 m η = 1.4	x: 0.061 m η = 8.1	x: 0.061 m η < 0.1	x: 0.061 m η = 0.7	x: 0.061 m η = 3.0	x: 0.061 m η = 15.9	x: 0.061 m η = 15.8	**CUMPLE** **η = 15.9**
N365/N364	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.188 m η = 2.5	x: 0.061 m η = 14.5	η = 0.7	x: 0.061 m η = 1.1	x: 0.061 m η = 5.7	η = 0.8	x: 0.061 m η = 0.3	x: 0.061 m η = 1.4	x: 0.061 m η = 5.9	x: 0.061 m η < 0.1	x: 0.061 m η = 0.4	N.P.[1]	x: 0.061 m η = 15.6	x: 0.061 m η = 15.5	**CUMPLE** **η = 15.6**
N366/N365	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.5	x: 0.058 m η = 15.0	x: 0.938 m η = 1.8	x: 0.058 m η = 4.2	x: 0.939 m η = 9.2	x: 0.498 m η = 2.5	x: 0.938 m η = 1.3	x: 0.058 m η = 4.9	x: 0.939 m η = 9.9	x: 0.058 m η = 0.3	x: 0.939 m η = 1.0	x: 0.058 m η = 3.3	x: 0.939 m η = 20.2	x: 0.939 m η = 19.5	**CUMPLE** **η = 20.2**
N367/N366	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.941 m η = 2.5	x: 0.061 m η = 15.0	x: 0.281 m η = 1.5	x: 0.942 m η = 4.0	x: 0.942 m η = 6.3	η = 1.6	x: 0.281 m η = 1.2	x: 0.942 m η = 4.6	x: 0.942 m η = 6.6	x: 0.942 m η = 0.2	x: 0.942 m η = 0.4	x: 0.942 m η = 3.6	x: 0.061 m η = 16.0	x: 0.061 m η = 15.5	**CUMPLE** **η = 16.0**
N368/N367	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.8	x: 0.045 m η = 15.6	η = 0.7	x: 0.939 m η = 1.2	x: 0.939 m η = 16.0	η = 1.9	x: 0.939 m η = 0.4	x: 0.939 m η = 1.4	x: 0.939 m η = 16.1	x: 0.938 m η < 0.1	x: 0.939 m η = 2.6	N.P.[1]	x: 0.939 m η = 24.4	x: 0.939 m η = 26.9	**CUMPLE** **η = 26.9**
N369/N368	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 2.8	x: 0.061 m η = 15.7	x: 0.508 m η = 1.4	x: 0.061 m η = 0.8	x: 0.955 m η = 6.0	η = 1.9	x: 0.061 m η = 0.3	x: 0.061 m η = 1.2	x: 0.955 m η = 6.5	x: 0.061 m η < 0.1	x: 0.955 m η = 0.5	x: 0.732 m η = 3.4	x: 0.061 m η = 16.7	x: 0.061 m η = 16.3	**CUMPLE** **η = 16.7**
N370/N369	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 3.4	x: 0 m η = 16.8	η = 0.9	x: 0.938 m η = 0.8	x: 0.938 m η = 17.9	η = 2.6	x: 0.937 m η = 0.3	x: 0.938 m η = 1.0	x: 0.938 m η = 17.9	x: 0.937 m η < 0.1	x: 0.938 m η = 3.3	x: 0.938 m η = 3.9	x: 0.938 m η = 24.2	x: 0.938 m η = 28.5	**CUMPLE** **η = 28.5**
N371/N370	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.4	x: 0.062 m η = 16.8	x: 0.732 m η = 1.1	x: 0.062 m η = 0.9	x: 0.062 m η = 9.2	x: 0.285 m η = 2.8	x: 0.062 m η = 0.3	x: 0.062 m η = 1.3	x: 0.062 m η = 9.4	x: 0.062 m η < 0.1	x: 0.062 m η = 1.0	N.P.[1]	x: 0.062 m η = 17.6	x: 0.062 m η = 17.7	**CUMPLE** **η = 17.7**
N372/N371	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 4.1	x: 0 m η = 18.5	η = 1.1	x: 0.937 m η = 0.9	x: 0.937 m η = 19.1	η = 3.2	x: 0.937 m η = 0.3	x: 0.937 m η = 1.1	x: 0.937 m η = 19.2	x: 0.936 m η < 0.1	x: 0.937 m η = 3.8	x: 0.937 m η = 4.5	x: 0.937 m η = 25.1	x: 0.937 m η = 29.5	**CUMPLE** **η = 29.5**
N373/N372	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 4.2	x: 0.064 m η = 18.5	η = 1.1	x: 0.064 m η = 1.1	x: 0.064 m η = 13.3	x: 0.509 m η = 3.4	x: 0.064 m η = 0.3	x: 0.064 m η = 1.6	x: 0.064 m η = 13.4	x: 0.064 m η < 0.1	x: 0.064 m η = 1.9	x: 0.064 m η = 6.4	x: 0.064 m η = 19.4	x: 0.064 m η = 22.2	**CUMPLE** **η = 22.2**
N374/N373	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 5.1	x: 0 m η = 21.0	η = 1.3	x: 0.938 m η = 1.0	x: 0.938 m η = 19.3	η = 3.4	x: 0.937 m η = 0.4	x: 0 m η = 1.3	x: 0.938 m η = 19.7	x: 0 m η < 0.1	x: 0.938 m η = 4.0	x: 0 m η = 5.7	x: 0.938 m η = 27.6	x: 0.938 m η = 31.1	**CUMPLE** **η = 31.1**
N375/N374	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 5.1	x: 0.065 m η = 21.1	η = 1.2	x: 0.065 m η = 1.5	x: 0.065 m η = 15.5	x: 0.51 m η = 3.5	x: 0.065 m η = 0.4	x: 0.065 m η = 2.0	x: 0.065 m η = 15.9	x: 0.065 m η < 0.1	x: 0.065 m η = 2.6	x: 0.065 m η = 7.9	x: 0.065 m η = 24.0	x: 0.065 m η = 26.5	**CUMPLE** **η = 26.5**
N376/N375	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 6.3	x: 0 m η = 24.6	η = 1.4	x: 0.934 m η = 0.7	x: 0.934 m η = 20.6	η = 3.7	x: 0.933 m η = 0.2	x: 0.934 m η = 0.9	x: 0.934 m η = 21.1	x: 0.933 m η < 0.1	x: 0.934 m η = 4.6	x: 0.934 m η = 8.2	x: 0.934 m η = 29.8	x: 0.934 m η = 33.5	**CUMPLE** **η = 33.5**
N377/N376	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 6.4	x: 0.069 m η = 24.8	x: 0.733 m η = 1.6	x: 0.069 m η = 3.2	x: 0.069 m η = 17.1	x: 0.733 m η = 4.0	x: 0.954 m η = 0.8	x: 0.069 m η = 3.6	x: 0.069 m η = 17.7	x: 0.069 m η = 0.1	x: 0.069 m η = 3.3	x: 0.069 m η = 12.3	x: 0.069 m η = 28.0	x: 0.069 m η = 29.4	**CUMPLE** **η = 29.4**
N378/N377	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 8.3	x: 0 m η = 29.9	η = 1.3	x: 0 m η = 2.6	x: 0.932 m η = 20.9	η = 3.9	x: 0 m η = 0.3	x: 0 m η = 2.8	x: 0.932 m η = 21.4	x: 0 m η = 0.1	x: 0.932 m η = 4.7	x: 0 m η = 11.4	x: 0.932 m η = 31.9	x: 0.932 m η = 35.5	**CUMPLE** **η = 35.5**
N379/N378	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 8.3	x: 0.07 m η = 30.1	x: 0.734 m η = 1.6	x: 0.07 m η = 3.3	x: 0.07 m η = 18.5	x: 0.734 m η = 4.0	x: 0.954 m η = 0.4	x: 0.07 m η = 3.5	x: 0.07 m η = 19.1	x: 0.07 m η = 0.1	x: 0.07 m η = 3.8	x: 0.07 m η = 13.0	x: 0.07 m η = 32.3	x: 0.07 m η = 32.4	**CUMPLE** **η = 32.4**
N380/N379	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.928 m η = 9.8	x: 0.045 m η = 36.3	η = 0.6	x: 0.045 m η = 5.0	x: 0.929 m η = 21.4	η = 4.1	x: 0.928 m η = 1.1	x: 0.045 m η = 5.2	x: 0.929 m η = 21.5	x: 0.045 m η = 0.3	x: 0.929 m η = 4.8	x: 0.045 m η = 11.6	x: 0.045 m η = 41.9	x: 0.045 m η = 42.5	**CUMPLE** **η = 42.5**
N381/N380	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.001 m η = 9.8	x: 0.069 m η = 36.3	η = 0.7	x: 1.001 m η = 4.5	x: 0.069 m η = 20.0	x: 0.768 m η = 4.2	x: 0.069 m η = 0.9	x: 1.001 m η = 4.8	x: 0.069 m η = 20.0	x: 1.001 m η = 0.2	x: 0.069 m η = 4.2	x: 1.001 m η = 11.4	x: 1.001 m η = 41.5	x: 1.001 m η = 42.0	**CUMPLE** **η = 42.0**
N382/N381	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.915 m η = 10.4	x: 0 m η = 38.7	η = 0.7	x: 0 m η = 5.2	x: 0.916 m η = 22.7	x: 0 m η = 4.2	x: 0.915 m η = 1.2	x: 0 m η = 5.3	x: 0.916 m η = 23.0	x: 0 m η = 0.3	x: 0.916 m η = 5.5	x: 0 m η = 12.2	x: 0 m η = 44.3	x: 0 m η = 45.2	**CUMPLE** **η = 45.2**
N383/N382	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.017 m η = 10.4	x: 0.067 m η = 38.8	η = 0.6	x: 1.017 m η = 5.3	x: 0.067 m η = 21.1	η = 4.3	x: 0.067 m η = 1.2	x: 1.017 m η = 5.5	x: 0.067 m η = 21.3	x: 1.017 m η = 0.3	x: 0.067 m η = 4.7	x: 1.017 m η = 12.2	x: 1.017 m η = 44.5	x: 1.017 m η = 45.4	**CUMPLE** **η = 45.4**
N384/N383	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.942 m η = 9.5	x: 0 m η = 35.0	η = 0.7	x: 0 m η = 4.6	x: 0.943 m η = 23.3	η = 4.4	x: 0.942 m η = 0.9	x: 0 m η = 4.7	x: 0.943 m η = 23.6	x: 0 m η = 0.2	x: 0.943 m η = 5.8	x: 0 m η = 11.1	x: 0 m η = 39.9	x: 0 m η = 40.7	**CUMPLE** **η = 40.7**
N385/N384	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.991 m η = 9.5	x: 0.066 m η = 34.9	η = 0.7	x: 0.991 m η = 5.4	x: 0.066 m η = 22.6	η = 4.4	x: 0.066 m η = 1.6	x: 0.991 m η = 5.5	x: 0.066 m η = 22.8	x: 0.991 m η = 0.3	x: 0.066 m η = 5.4	x: 0.991 m η = 11.3	x: 0.991 m η = 40.6	x: 0.991 m η = 41.7	**CUMPLE** **η = 41.7**
N386/N385	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 7.0	x: 0 m η = 24.8	η = 1.0	x: 0 m η = 3.1	x: 0.934 m η = 20.9	x: 0.233 m η = 4.4	x: 0.933 m η = 0.7	x: 0 m η = 3.3	x: 0.934 m η = 21.0	x: 0 m η = 0.1	x: 0.934 m η = 4.6	x: 0 m η = 8.2	x: 0 m η = 28.5	x: 0.934 m η = 33.3	**CUMPLE** **η = 33.3**
N387/N386	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.956 m η = 6.9	x: 0.064 m η = 24.6	η = 1.0	x: 0.957 m η = 4.8	x: 0.064 m η = 22.7	η = 4.4	x: 0.064 m η = 1.8	x: 0.957 m η = 5.0	x: 0.064 m η = 22.9	x: 0.957 m η = 0.3	x: 0.064 m η = 5.4	x: 0.957 m η = 8.6	x: 0.064 m η = 31.5	x: 0.064 m η = 35.4	**CUMPLE** **η = 35.4**
N388/N387	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.922 m η = 2.7	x: 0 m η = 7.2	η = 1.7	x: 0.923 m η = 1.5	x: 0.923 m η = 17.3	x: 0.231 m η = 4.4	x: 0.923 m η = 0.5	x: 0.923 m η = 1.8	x: 0.923 m η = 18.0	x: 0.923 m η < 0.1	x: 0.923 m η = 3.4	x: 0.923 m η = 4.7	x: 0.923 m η = 20.5	x: 0.923 m η = 23.7	**CUMPLE** **η = 23.7**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N389/N388	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.967 m η = 2.6	x: 0.063 m η = 6.9	η = 1.1	x: 0.063 m η = 5.5	x: 0.063 m η = 24.4	η = 4.1	x: 0.063 m η = 1.8	x: 0.063 m η = 5.8	x: 0.063 m η = 24.7	x: 0.063 m η = 0.4	x: 0.063 m η = 6.3	x: 0.063 m η = 4.6	x: 0.063 m η = 28.6	x: 0.063 m η = 32.3	**CUMPLE** **η = 32.3**
N390/N389	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.93 m η = 16.8	x: 0 m η = 3.8	η = 1.3	x: 0 m η = 14.5	x: 0.931 m η = 10.3	x: 0.465 m η = 3.5	x: 0 m η = 2.9	x: 0 m η = 14.7	x: 0.931 m η = 10.7	x: 0 m η = 2.2	x: 0.931 m η = 1.3	x: 0 m η = 35.5	x: 0 m η = 7.4	x: 0 m η = 34.9	**CUMPLE** **η = 35.5**
N391/N390	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.959 m η = 16.9	x: 0.062 m η = 3.8	η = 2.4	x: 0.96 m η = 12.7	x: 0.062 m η = 19.5	η = 2.6	x: 0.96 m η = 3.1	x: 0.96 m η = 12.9	x: 0.062 m η = 20.5	x: 0.96 m η = 1.8	x: 0.062 m η = 4.3	x: 0.96 m η = 33.4	x: 0.96 m η = 6.9	x: 0.96 m η = 32.8	**CUMPLE** **η = 33.4**
N392/N391	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.934 m η = 13.1	x: 0 m η = 3.6	η = 1.2	x: 0 m η = 4.8	x: 0.935 m η = 6.7	η = 2.6	x: 0 m η = 1.2	x: 0 m η = 4.8	x: 0.935 m η = 7.2	x: 0 m η = 0.2	x: 0.935 m η = 0.6	x: 0 m η = 19.3	x: 0 m η = 5.3	x: 0 m η = 19.1	**CUMPLE** **η = 19.3**
N393/N392	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.848 m η = 13.0	x: 0.062 m η = 3.6	η = 2.6	x: 0.848 m η = 5.8	x: 0.062 m η = 15.2	η = 2.3	x: 0.848 m η = 1.7	x: 0.848 m η = 5.9	x: 0.062 m η = 16.3	x: 0.848 m η = 0.4	x: 0.062 m η = 2.7	x: 0.062 m η = 26.0	x: 0.848 m η = 5.4	x: 0.062 m η = 22.8	**CUMPLE** **η = 26.0**
N394/N393	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.008 m η = 1.7	x: 0.059 m η = 1.1	x: 1.008 m η = 1.3	x: 0.059 m η = 4.6	x: 0.059 m η = 19.5	x: 1.008 m η = 4.6	x: 1.009 m η = 1.2	x: 0.059 m η = 4.7	x: 0.059 m η = 20.0	x: 0.059 m η = 0.2	x: 0.059 m η = 4.2	x: 0.059 m η = 27.7	x: 0.059 m η = 4.0	x: 0.059 m η = 24.6	**CUMPLE** **η = 27.7**
N395/N394	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.765 m η = 1.6	x: 0.086 m η = 1.2	η = 1.3	x: 0.766 m η = 3.3	x: 0.086 m η = 7.2	η = 1.2	x: 0.086 m η = 0.9	x: 0.766 m η = 3.3	x: 0.086 m η = 7.7	x: 0.766 m η = 0.1	x: 0.086 m η = 0.6	x: 0.766 m η = 11.1	x: 0.256 m η = 7.7	x: 0.086 m η = 9.3	**CUMPLE** **η = 11.1**
N276/N395	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.863 m η = 0.4	x: 0.085 m η = 0.3	x: 0.475 m η = 1.5	x: 0.085 m η = 5.7	x: 0.085 m η = 1.0	η = 0.2	x: 0.475 m η = 1.7	x: 0.085 m η = 6.3	x: 0.085 m η = 1.1	x: 0.085 m η = 0.4	x: 0.085 m η < 0.1	x: 0.085 m η = 8.8	x: 0.085 m η = 7.1	x: 0.085 m η = 7.1	**CUMPLE** **η = 8.8**
N270/N395	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.074 m η = 0.8	x: 0.201 m η = 4.6	η = 2.3	x: 0.201 m η = 2.4	x: 0.201 m η = 17.6	η = 3.2	x: 1.074 m η = 0.5	x: 0.201 m η = 2.4	x: 0.201 m η = 18.6	x: 0.201 m η = 0.1	x: 0.201 m η = 3.6	x: 0.201 m η = 3.8	x: 0.201 m η = 21.3	x: 0.201 m η = 23.3	**CUMPLE** **η = 23.3**
N270/N393	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.459 m η = 22.0	x: 0.206 m η = 7.7	x: 1.251 m η = 3.6	x: 0.206 m η = 1.9	x: 1.46 m η = 3.0	η = 0.2	x: 0.206 m η = 0.2	x: 1.46 m η = 2.0	x: 1.46 m η = 4.5	x: 1.459 m η < 0.1	x: 1.46 m η = 0.2	x: 1.46 m η = 24.9	x: 1.46 m η = 8.6	x: 1.46 m η = 24.1	**CUMPLE** **η = 24.9**
N280/N389	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.489 m η = 46.8	x: 0.11 m η = 15.2	x: 1.489 m η = 5.0	x: 0.11 m η = 5.4	x: 0.11 m η = 2.1	x: 1.26 m η = 0.2	x: 0.11 m η = 0.8	x: 0.11 m η = 5.5	x: 0.11 m η = 4.3	x: 0.11 m η = 0.3	x: 0.11 m η = 0.2	x: 0.11 m η = 54.1	x: 1.49 m η = 17.0	x: 0.11 m η = 53.5	**CUMPLE** **η = 54.1**
N280/N387	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.53 m η = 11.2	x: 0.108 m η = 57.6	η = 0.6	x: 1.531 m η = 7.5	x: 1.531 m η = 11.0	x: 0.108 m η = 0.9	x: 1.53 m η = 1.0	x: 1.531 m η = 7.5	x: 1.531 m η = 11.1	x: 1.531 m η = 0.6	x: 1.531 m η = 1.2	x: 0.108 m η = 13.6	x: 1.531 m η = 67.8	x: 1.531 m η = 66.9	**CUMPLE** **η = 67.8**
N282/N387	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.535 m η = 29.5	x: 0.108 m η = 9.5	x: 0.822 m η = 3.3	x: 1.536 m η = 3.1	x: 1.536 m η = 3.6	x: 0.465 m η = 0.4	x: 0.108 m η = 0.5	x: 1.536 m η = 3.2	x: 1.536 m η = 5.0	x: 1.536 m η = 0.1	x: 1.536 m η = 0.3	x: 1.536 m η = 33.9	x: 1.536 m η = 10.7	x: 1.536 m η = 33.4	**CUMPLE** **η = 33.9**
N282/N385	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.56 m η = 7.3	x: 0.107 m η = 38.3	η = 1.2	x: 0.107 m η = 5.5	x: 1.561 m η = 7.6	x: 1.197 m η = 0.6	x: 1.56 m η = 0.7	x: 0.107 m η = 5.6	x: 1.561 m η = 8.1	x: 0.107 m η = 0.3	x: 1.561 m η = 0.7	x: 0.107 m η = 9.1	x: 0.107 m η = 45.2	x: 0.107 m η = 45.2	**CUMPLE** **η = 45.2**
N284/N385	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.562 m η = 15.4	x: 0.653 m η = 4.8	η = 2.2	x: 1.563 m η = 1.7	x: 1.563 m η = 5.1	x: 0.471 m η = 0.6	x: 0.107 m η = 0.3	x: 1.563 m η = 1.8	x: 1.563 m η = 6.0	x: 1.562 m η < 0.1	x: 1.563 m η = 0.4	x: 1.563 m η = 17.6	x: 1.563 m η = 6.8	x: 1.563 m η = 17.3	**CUMPLE** **η = 17.6**
N284/N383	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.571 m η = 3.9	x: 0.107 m η = 20.8	η = 1.7	x: 0.107 m η = 4.0	x: 1.572 m η = 6.1	x: 0.29 m η = 0.5	x: 1.571 m η = 0.5	x: 0.107 m η = 4.1	x: 1.572 m η = 6.7	x: 0.107 m η = 0.2	x: 1.572 m η = 0.4	N.P.[1]	x: 0.107 m η = 25.5	x: 0.107 m η = 25.8	**CUMPLE** **η = 25.8**
N286/N383	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.473 m η = 9.6	x: 0.473 m η = 10.8	η = 1.7	x: 1.572 m η = 2.0	x: 1.572 m η = 5.7	x: 0.473 m η = 0.6	x: 1.571 m η = 0.3	x: 1.572 m η = 2.1	x: 1.572 m η = 6.4	x: 1.572 m η < 0.1	x: 1.572 m η = 0.4	x: 1.572 m η = 11.7	x: 1.572 m η = 13.2	x: 1.572 m η = 13.2	**CUMPLE** **η = 13.2**
N286/N381	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.565 m η = 8.5	x: 0.107 m η = 13.2	η = 2.0	x: 0.107 m η = 2.3	x: 1.566 m η = 5.5	x: 0.654 m η = 0.6	x: 1.565 m η = 0.2	x: 0.107 m η = 2.4	x: 1.566 m η = 6.3	x: 0.107 m η = 0.1	x: 1.566 m η = 0.4	x: 1.566 m η = 4.2	x: 0.107 m η = 15.5	x: 0.107 m η = 15.6	**CUMPLE** **η = 15.6**
N288/N381	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.471 m η = 8.9	x: 0.471 m η = 17.9	η = 1.3	x: 0.107 m η = 3.3	x: 1.564 m η = 6.8	η = 0.6	x: 1.563 m η = 0.4	x: 0.107 m η = 3.3	x: 1.564 m η = 7.3	x: 0.107 m η = 0.1	x: 1.564 m η = 0.5	x: 1.564 m η = 11.6	x: 1.564 m η = 21.5	x: 1.564 m η = 21.9	**CUMPLE** **η = 21.9**
N288/N379	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.539 m η = 10.4	x: 0.105 m η = 8.2	x: 0.643 m η = 2.3	x: 0.105 m η = 1.7	x: 1.54 m η = 5.2	x: 1.361 m η = 0.5	x: 0.105 m η = 0.2	x: 0.105 m η = 1.8	x: 1.54 m η = 6.2	x: 0.105 m η < 0.1	x: 1.54 m η = 0.4	x: 0.105 m η = 12.7	x: 0.105 m η = 10.0	x: 0.105 m η = 12.5	**CUMPLE** **η = 12.7**
N290/N379	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.551 m η = 6.1	x: 0.105 m η = 21.5	η = 1.3	x: 1.552 m η = 4.1	x: 1.552 m η = 6.9	η = 0.6	x: 1.551 m η = 0.6	x: 1.552 m η = 4.1	x: 1.552 m η = 7.4	x: 1.552 m η = 0.2	x: 1.552 m η = 0.6	x: 0.105 m η = 8.1	x: 1.552 m η = 26.6	x: 1.552 m η = 26.6	**CUMPLE** **η = 26.6**
N290/N377	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.295 m η = 10.5	x: 0.295 m η = 10.0	x: 0.682 m η = 2.2	x: 1.649 m η = 1.6	x: 1.649 m η = 5.4	x: 0.295 m η = 0.5	x: 0.102 m η = 0.1	x: 1.649 m η = 1.6	x: 1.649 m η = 6.3	x: 1.648 m η < 0.1	x: 1.649 m η = 0.4	x: 1.649 m η = 13.3	x: 1.649 m η = 11.7	x: 1.649 m η = 12.6	**CUMPLE** **η = 13.3**
N292/N377	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.267 m η = 7.5	x: 0.102 m η = 19.8	η = 1.3	x: 1.655 m η = 3.2	x: 1.655 m η = 5.7	x: 0.49 m η = 0.5	x: 1.654 m η = 0.5	x: 1.655 m η = 3.2	x: 1.655 m η = 6.3	x: 1.655 m η = 0.1	x: 1.655 m η = 0.4	x: 0.102 m η = 12.1	x: 0.102 m η = 24.2	x: 0.102 m η = 23.8	**CUMPLE** **η = 24.2**
N292/N375	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.736 m η = 10.4	x: 0.736 m η = 11.0	η = 1.9	x: 1.798 m η = 1.5	x: 1.798 m η = 4.8	x: 0.099 m η = 0.4	x: 1.797 m η = 0.2	x: 1.798 m η = 1.5	x: 1.798 m η = 5.6	x: 1.797 m η < 0.1	x: 1.798 m η = 0.3	x: 1.798 m η = 13.5	x: 1.798 m η = 13.2	x: 1.798 m η = 12.9	**CUMPLE** **η = 13.5**
N294/N375	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.165 m η = 6.2	x: 0.098 m η = 14.1	η = 1.3	x: 1.805 m η = 2.4	x: 1.805 m η = 3.9	x: 1.165 m η = 0.4	x: 1.804 m η = 0.3	x: 1.805 m η = 2.5	x: 1.805 m η = 4.4	x: 1.805 m η = 0.1	x: 1.805 m η = 0.2	x: 0.098 m η = 9.9	x: 0.098 m η = 17.8	x: 0.098 m η = 16.8	**CUMPLE** **η = 17.8**
N294/N373	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.458 m η = 8.2	x: 0.458 m η = 10.2	x: 0.098 m η = 1.6	x: 1.904 m η = 1.3	x: 1.904 m η = 4.4	x: 0.097 m η = 0.3	x: 1.903 m η = 0.1	x: 1.904 m η = 1.4	x: 1.904 m η = 5.1	x: 1.903 m η < 0.1	x: 1.904 m η = 0.3	x: 1.904 m η = 10.6	x: 1.904 m η = 12.2	x: 1.904 m η = 11.8	**CUMPLE** **η = 12.2**
N296/N373	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.906 m η = 5.8	x: 0.097 m η = 12.3	η = 0.9	x: 1.907 m η = 2.1	x: 0.097 m η = 2.9	x: 1.726 m η = 0.3	x: 1.906 m η = 0.3	x: 1.907 m η = 2.2	x: 0.097 m η = 3.3	x: 1.907 m η < 0.1	x: 0.097 m η = 0.1	x: 1.907 m η = 8.8	x: 1.907 m η = 15.8	x: 1.907 m η = 14.9	**CUMPLE** **η = 15.8**
N296/N371	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.853 m η = 6.7	x: 0.853 m η = 9.6	η = 1.3	x: 1.988 m η = 1.2	x: 1.988 m η = 4.2	x: 0.096 m η = 0.2	x: 1.987 m η = 0.1	x: 1.988 m η = 1.4	x: 1.988 m η = 4.7	x: 1.987 m η < 0.1	x: 1.988 m η = 0.2	x: 1.988 m η = 9.3	x: 0.096 m η = 11.3	x: 1.988 m η = 11.0	**CUMPLE** **η = 11.3**
N298/N371	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.986 m η = 5.4	x: 0.096 m η = 10.8	η = 0.6	x: 1.987 m η = 1.8	x: 0.096 m η = 2.7	η = 0.2	x: 1.986 m η = 0.2	x: 1.987 m η = 1.9	x: 0.096 m η = 2.8	x: 1.986 m η < 0.1	x: 0.096 m η = 0.1	x: 1.987 m η = 8.7	x: 1.987 m η = 14.1	x: 1.987 m η = 13.2	**CUMPLE** **η = 14.1**
N298/N369	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.876 m η = 5.7	x: 0.097 m η = 9.3	x: 0.486 m η = 1.3	x: 2.047 m η = 1.3	x: 2.047 m η = 4.2	x: 0.486 m η = 0.2	x: 2.046 m η = 0.1	x: 2.047 m η = 1.5	x: 2.047 m η = 4.8	x: 2.046 m η < 0.1	x: 2.047 m η = 0.2	x: 2.047 m η = 9.3	x: 2.047 m η = 11.8	x: 2.047 m η = 11.0	**CUMPLE** **η = 11.8**
N300/N369	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.086 m η = 5.3	x: 0.098 m η = 9.9	η = 0.5	x: 2.087 m η = 1.5	x: 2.087 m η = 2.9	η = 0.1	x: 2.086 m η = 0.2	x: 2.087 m η = 1.6	x: 2.087 m η = 3.1	x: 2.086 m η < 0.1	x: 2.086 m η = 0.1	x: 2.087 m η = 9.0	x: 2.087 m η = 13.3	x: 2.087 m η = 12.6	**CUMPLE** **η = 13.3**
N300/N367	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.045 m η = 4.9	x: 0.097 m η = 9.0	x: 0.682 m η = 1.2	x: 2.046 m η = 1.4	x: 2.046 m η = 3.9	x: 0.292 m η = 0.2	x: 2.045 m η = 0.2	x: 2.046 m η = 2.0	x: 2.046 m η = 4.4	x: 2.045 m η < 0.1	x: 2.046 m η = 0.2	x: 2.046 m η = 10.0	x: 2.046 m η = 12.2	x: 2.046 m η = 11.0	**CUMPLE** **η = 12.2**
N302/N367	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.294 m η = 4.9	x: 1.294 m η = 8.7	η = 0.9	x: 2.092 m η = 1.2	x: 2.092 m η = 3.4	x: 0.098 m η = 0.2	x: 2.091 m η = 0.1	x: 2.092 m η = 1.4	x: 2.092 m η = 3.5	x: 2.091 m η < 0.1	x: 2.092 m η = 0.1	x: 2.092 m η = 7.4	x: 2.092 m η = 10.2	x: 2.092 m η = 10.1	**CUMPLE** **η = 10.2**
N302/N365	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.71 m η = 4.0	x: 1.71 m η = 5.7	x: 0.905 m η = 0.7	x: 2.113 m η = 1.2	x: 2.113 m η = 4.5	x: 0.3 m η = 0.3	x: 2.112 m η = 0.1	x: 2.113 m η = 1.2	x: 2.113 m η = 4.5	x: 2.112 m η < 0.1	x: 2.113 m η = 0.2	x: 2.113 m η = 10.0	x: 2.113 m η = 10.6	x: 2.113 m η = 10.7	**CUMPLE** **η = 10.7**
N304/N365	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.948 m η = 3.3	x: 0.948 m η = 9.0	η = 0.8	x: 2.223 m η = 1.6	x: 2.223 m η = 2.9	x: 0.098 m η = 0.2	x: 2.222 m η = 0.2	x: 2.223 m η = 1.6	x: 2.223 m η = 3.0	x: 2.222 m η < 0.1	x: 2.222 m η = 0.1	x: 2.223 m η = 7.5	x: 2.223 m η = 13.2	x: 2.223 m η = 12.8	**CUMPLE** **η = 13.2**
N304/N363	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 4.0	x: 0.952 m η = 6.8	η = 0.7	x: 2.233 m η = 1.0	x: 2.233 m η = 4.7	η = 0.2	x: 2.232 m η = 0.1	x: 2.233 m η = 1.2	x: 2.233 m η = 5.0	x: 2.232 m η < 0.1	x: 2.233 m η = 0.2	x: 2.233 m η = 10.5	x: 2.233 m η = 12.5	x: 2.233 m η = 12.3	**CUMPLE** **η = 12.5**
N306/N363	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.904 m η = 2.7	x: 0.904 m η = 6.5	η = 0.6	x: 2.111 m η = 1.1	x: 2.111 m η = 3.5	x: 0.099 m η = 0.2	x: 2.11 m η = 0.1	x: 2.111 m η = 1.1	x: 2.111 m η = 3.6	x: 2.11 m η < 0.1	x: 2.111 m η = 0.1	x: 2.111 m η = 7.5	x: 2.111 m η = 10.9	x: 2.111 m η = 10.7	**CUMPLE** **η = 10.9**
N306/N361	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.093 m η = 3.0	x: 1.093 m η = 5.6	η = 0.6	x: 2.088 m η = 1.1	x: 2.088 m η = 3.3	η = 0.1	x: 2.087 m η = 0.1	x: 2.088 m η = 1.2	x: 2.088 m η = 3.6	x: 2.087 m η < 0.1	x: 2.087 m η = 0.1	x: 2.088 m η = 7.4	x: 2.088 m η = 9.5	x: 2.088 m η = 9.1	**CUMPLE** **η = 9.5**
N308/N361	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.878 m η = 2.6	x: 0.878 m η = 5.4	η = 0.7	x: 2.051 m η = 0.9	x: 2.051 m η = 3.7	η = 0.2	x: 2.05 m η = 0.1	x: 2.051 m η = 1.1	x: 2.051 m η = 4.0	x: 2.05 m η < 0.1	x: 2.051 m η = 0.2	x: 2.051 m η = 7.7	x: 2.051 m η = 9.5	x: 2.051 m η = 9.1	**CUMPLE** **η = 9.5**
N308/N359	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.086 m η = 2.4	x: 0.098 m η = 6.5	η = 0.4	x: 2.087 m η = 1.4	x: 0.098 m η = 2.6	η = 0.1	x: 2.086 m η = 0.2	x: 2.087 m η = 1.4	x: 0.098 m η = 2.6	x: 2.086 m η < 0.1	x: 0.098 m η = 0.1	x: 0.098 m η = 5.7	x: 2.087 m η = 8.0	x: 2.087 m η = 8.2	**CUMPLE** **η = 8.2**
N310/N359	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.097 m η = 2.6	x: 0.097 m η = 4.6	η = 1.0	x: 2.048 m η = 0.8	x: 2.048 m η = 4.1	η = 0.2	x: 2.047 m η = 0.1	x: 2.048 m η = 1.1	x: 2.048 m η = 4.5	x: 2.047 m η < 0.1	x: 2.048 m η = 0.2	x: 2.048 m η = 7.9	x: 2.048 m η = 8.4	x: 2.048 m η = 8.0	**CUMPLE** **η = 8.4**
N310/N357	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.987 m η = 3.0	x: 0.095 m η = 8.5	η = 0.5	x: 1.988 m η = 1.7	x: 0.095 m η = 2.5	η = 0.2	x: 1.987 m η = 0.2	x: 1.988 m η = 1.8	x: 0.095 m η = 2.8	x: 1.987 m η < 0.1	x: 0.095 m η = 0.1	x: 0.095 m η = 4.8	x: 1.988 m η = 10.5	x: 1.988 m η = 10.7	**CUMPLE** **η = 10.7**
N312/N357	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.662 m η = 2.8	x: 0.662 m η = 3.7	η = 1.3	x: 1.986 m η = 0.7	x: 1.986 m η = 4.5	η = 0.2	x: 1.985 m η = 0.1	x: 1.986 m η = 1.0	x: 1.986 m η = 5.0	x: 1.985 m η < 0.1	x: 1.986 m η = 0.3	x: 1.986 m η = 8.2	x: 1.986 m η = 7.1	x: 1.986 m η = 6.7	**CUMPLE** **η = 8.2**
N312/N355	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.906 m η = 3.6	x: 0.096 m η = 10.8	x: 1.545 m η = 1.1	x: 1.907 m η = 2.1	x: 0.096 m η = 2.6	x: 1.545 m η = 0.3	x: 1.906 m η = 0.3	x: 1.907 m η = 2.2	x: 0.096 m η = 3.0	x: 1.907 m η < 0.1	x: 0.096 m η = 0.1	N.P.[1]	x: 1.907 m η = 13.3	x: 1.907 m η = 13.4	**CUMPLE** **η = 13.4**
N314/N355	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.903 m η = 3.9	x: 0.097 m η = 3.3	η = 1.7	x: 1.904 m η = 0.6	x: 1.904 m η = 5.3	η = 0.3	x: 1.903 m η = 0.1	x: 1.904 m η = 1.0	x: 1.904 m η = 6.0	x: 1.903 m η < 0.1	x: 1.904 m η = 0.4	x: 1.904 m η = 9.5	x: 1.904 m η = 4.0	x: 1.904 m η = 7.6	**CUMPLE** **η = 9.5**
N314/N353	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.804 m η = 4.3	x: 0.098 m η = 13.4	x: 1.165 m η = 1.3	x: 1.805 m η = 2.4	x: 1.805 m η = 2.5	x: 1.165 m η = 0.2	x: 1.804 m η = 0.3	x: 1.805 m η = 2.5	x: 1.805 m η = 3.0	x: 1.805 m η = 0.1	x: 1.805 m η = 0.1	x: 1.379 m η = 2.0	x: 1.805 m η = 16.0	x: 1.805 m η = 16.3	**CUMPLE** **η = 16.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N316/N353	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.797 m η = 6.4	x: 0.098 m η = 4.3	x: 0.311 m η = 2.0	x: 1.798 m η = 0.6	x: 1.798 m η = 7.0	x: 0.311 m η = 0.6	x: 0.098 m η = 0.1	x: 0.098 m η = 1.0	x: 1.798 m η = 7.8	x: 0.098 m η < 0.1	x: 1.798 m η = 0.6	x: 1.798 m η = 12.3	x: 1.798 m η = 4.8	x: 1.798 m η = 10.2	**CUMPLE η = 12.3**
N316/N351	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.654 m η = 5.7	x: 0.101 m η = 19.6	η = 1.3	x: 1.655 m η = 3.1	x: 1.655 m η = 5.3	η = 0.5	x: 1.654 m η = 0.5	x: 1.655 m η = 3.2	x: 1.655 m η = 5.9	x: 1.655 m η = 0.1	x: 1.655 m η = 0.3	x: 0.101 m η = 7.4	x: 1.655 m η = 23.8	x: 1.655 m η = 23.5	**CUMPLE η = 23.8**
N318/N351	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.648 m η = 7.3	x: 0.101 m η = 4.4	x: 0.682 m η = 1.9	x: 1.649 m η = 0.8	x: 1.649 m η = 5.6	x: 0.295 m η = 0.5	x: 0.101 m η = 0.1	x: 0.101 m η = 1.0	x: 1.649 m η = 6.5	x: 0.101 m η < 0.1	x: 1.649 m η = 0.4	x: 1.649 m η = 11.3	x: 1.649 m η = 4.9	x: 1.649 m η = 9.1	**CUMPLE η = 11.3**
N318/N349	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.551 m η = 6.0	x: 0.104 m η = 21.5	x: 0.647 m η = 1.6	x: 1.552 m η = 4.0	x: 1.552 m η = 7.4	x: 0.647 m η = 0.7	x: 1.551 m η = 0.6	x: 1.552 m η = 4.0	x: 1.552 m η = 8.1	x: 1.552 m η = 0.2	x: 1.552 m η = 0.7	x: 0.104 m η = 8.0	x: 1.552 m η = 26.8	x: 1.552 m η = 26.7	**CUMPLE η = 26.8**
N320/N349	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.539 m η = 8.9	x: 0.104 m η = 4.5	x: 0.642 m η = 2.1	x: 1.54 m η = 1.4	x: 1.54 m η = 5.1	x: 0.642 m η = 0.5	x: 0.104 m η = 0.1	x: 1.54 m η = 1.5	x: 1.54 m η = 6.0	x: 1.539 m η < 0.1	x: 1.54 m η = 0.4	x: 1.54 m η = 12.3	x: 1.54 m η = 5.3	x: 1.54 m η = 10.7	**CUMPLE η = 12.3**
N320/N347	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.563 m η = 3.8	x: 0.106 m η = 13.9	x: 0.835 m η = 1.5	x: 0.106 m η = 3.4	x: 1.564 m η = 6.8	η = 0.6	x: 1.563 m η = 0.4	x: 0.106 m η = 3.5	x: 1.564 m η = 7.4	x: 0.106 m η = 0.1	x: 1.564 m η = 0.6	x: 0.106 m η = 5.7	x: 0.106 m η = 18.1	x: 0.106 m η = 18.2	**CUMPLE η = 18.2**
N322/N347	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.565 m η = 0.6	x: 0.106 m η = 3.3	x: 0.653 m η = 1.9	x: 0.106 m η = 2.2	x: 1.566 m η = 5.9	x: 0.471 m η = 0.6	x: 1.565 m η = 0.2	x: 0.106 m η = 2.3	x: 1.566 m η = 6.6	x: 0.106 m η = 0.1	x: 1.566 m η = 0.4	x: 1.566 m η = 9.9	x: 1.566 m η = 10.1	x: 1.566 m η = 9.5	**CUMPLE η = 10.1**
N322/N345	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.572 m η = 1.9	x: 0.106 m η = 1.0	x: 0.839 m η = 1.8	x: 0.106 m η = 1.5	x: 1.573 m η = 5.4	x: 0.289 m η = 0.5	x: 1.572 m η = 0.2	x: 0.106 m η = 1.6	x: 1.573 m η = 6.1	x: 0.106 m η < 0.1	x: 1.573 m η = 0.4	x: 1.573 m η = 10.2	x: 1.573 m η = 7.5	x: 1.573 m η = 8.2	**CUMPLE η = 10.2**
N324/N345	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.571 m η = 3.5	x: 0.106 m η = 19.8	η = 1.5	x: 0.106 m η = 3.9	x: 1.572 m η = 6.8	η = 0.6	x: 1.571 m η = 0.4	x: 0.106 m η = 4.0	x: 1.572 m η = 7.3	x: 0.106 m η = 0.2	x: 1.572 m η = 0.5	N.P.[1]	x: 0.106 m η = 24.6	x: 0.106 m η = 24.7	**CUMPLE η = 24.7**
N324/N343	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.563 m η = 14.6	x: 0.106 m η = 4.3	x: 0.835 m η = 2.3	x: 1.563 m η = 1.3	x: 1.564 m η = 4.6	η = 0.5	x: 0.106 m η = 0.2	x: 1.563 m η = 1.5	x: 1.564 m η = 5.6	x: 1.563 m η < 0.1	x: 1.564 m η = 0.3	x: 1.563 m η = 16.8	x: 1.564 m η = 5.1	x: 1.563 m η = 16.2	**CUMPLE η = 16.8**
N326/N343	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.56 m η = 7.1	x: 0.106 m η = 37.4	η = 0.8	x: 0.106 m η = 5.3	x: 1.561 m η = 8.2	η = 0.6	x: 1.56 m η = 0.7	x: 0.106 m η = 5.4	x: 1.561 m η = 8.5	x: 0.106 m η = 0.3	x: 1.561 m η = 0.7	x: 0.106 m η = 8.9	x: 0.106 m η = 44.1	x: 0.106 m η = 44.0	**CUMPLE η = 44.1**
N326/N341	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.535 m η = 28.3	x: 0.107 m η = 9.1	x: 0.464 m η = 3.3	x: 1.536 m η = 3.0	x: 1.536 m η = 3.5	x: 0.464 m η = 0.4	x: 0.107 m η = 0.4	x: 1.536 m η = 3.1	x: 1.536 m η = 4.9	x: 1.536 m η = 0.1	x: 1.536 m η = 0.2	x: 1.536 m η = 32.9	x: 1.536 m η = 10.4	x: 1.536 m η = 32.1	**CUMPLE η = 32.9**
N328/N341	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.53 m η = 11.0	x: 0.107 m η = 56.8	η = 0.5	x: 1.531 m η = 7.3	x: 1.531 m η = 11.0	x: 0.463 m η = 0.9	x: 1.53 m η = 1.0	x: 1.531 m η = 7.3	x: 1.531 m η = 11.2	x: 1.531 m η = 0.5	x: 1.531 m η = 1.3	x: 1.531 m η = 13.3	x: 1.531 m η = 67.0	x: 1.531 m η = 65.9	**CUMPLE η = 67.0**
N328/N339	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.49 m η = 45.3	x: 0.109 m η = 14.7	x: 1.49 m η = 5.1	x: 0.109 m η = 5.3	x: 0.109 m η = 2.4	x: 1.49 m η = 0.3	x: 0.109 m η = 0.8	x: 0.109 m η = 5.4	x: 0.109 m η = 4.5	x: 0.109 m η = 0.3	x: 0.109 m η = 0.2	x: 0.109 m η = 52.8	x: 1.491 m η = 16.4	x: 0.109 m η = 51.9	**CUMPLE η = 52.8**
N275/N335	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.46 m η = 21.1	x: 1.252 m η = 10.1	x: 1.461 m η = 3.4	x: 1.461 m η = 1.6	x: 1.461 m η = 3.1	η = 0.2	x: 0.206 m η = 0.2	x: 1.46 m η = 1.9	x: 1.461 m η = 4.6	x: 1.252 m η < 0.1	x: 1.461 m η = 0.2	x: 1.461 m η = 24.0	x: 0.206 m η = 11.7	x: 1.461 m η = 23.3	**CUMPLE η = 24.0**
N275/N333	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.045 m η = 0.8	x: 0.201 m η = 4.5	η = 2.2	x: 0.201 m η = 1.7	x: 0.201 m η = 17.4	η = 3.3	x: 1.045 m η = 0.4	x: 0.201 m η = 1.7	x: 0.201 m η = 18.3	x: 0.201 m η < 0.1	x: 0.201 m η = 3.5	N.P.[1]	x: 0.201 m η = 20.9	x: 0.201 m η = 23.0	**CUMPLE η = 23.0**
N275/N334	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.713 m η = 1.2	x: 0.085 m η = 1.5	x: 0.294 m η = 2.2	x: 0.922 m η = 4.1	x: 0.085 m η = 14.7	x: 0.504 m η = 2.7	x: 0.085 m η = 0.8	x: 0.922 m η = 2.6	x: 0.085 m η = 15.7	x: 0.922 m η = 0.2	x: 0.085 m η = 2.5	x: 0.085 m η = 21.4	x: 0.085 m η = 17.9	x: 0.085 m η = 18.5	**CUMPLE η = 21.4**
N331/N335	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.986 m η = 1.5	x: 0.086 m η = 0.7	η = 2.0	x: 0.086 m η = 12.1	x: 0.086 m η = 6.1	η = 0.6	x: 0.086 m η = 2.5	x: 0.086 m η = 12.1	x: 0.086 m η = 7.0	x: 0.086 m η = 1.5	x: 0.086 m η = 0.5	x: 0.987 m η = 17.2	x: 0.086 m η = 5.8	x: 0.086 m η = 16.4	**CUMPLE η = 17.2**
N330/N337	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.07 m η = 1.4	x: 0.085 m η = 2.2	x: 0.332 m η = 0.9	x: 1.071 m η = 4.1	x: 1.071 m η = 13.5	x: 0.332 m η = 1.8	x: 1.07 m η = 0.8	x: 1.071 m η = 4.2	x: 1.071 m η = 13.9	x: 1.071 m η = 0.2	x: 1.071 m η = 2.0	x: 1.071 m η = 7.5	x: 1.071 m η = 15.7	x: 1.071 m η = 17.2	**CUMPLE η = 17.2**
N329/N339	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.15 m η = 1.9	x: 0.085 m η = 1.3	x: 1.15 m η = 3.0	x: 0.085 m η = 22.6	x: 1.151 m η = 17.0	x: 0.263 m η = 2.2	x: 0.085 m η = 4.0	x: 0.085 m η = 22.7	x: 1.151 m η = 18.3	x: 0.085 m η = 5.3	x: 1.151 m η = 3.4	x: 1.151 m η = 32.1	x: 1.151 m η = 12.1	x: 0.085 m η = 29.4	**CUMPLE η = 32.1**
N328/N340	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.175 m η = 1.1	x: 0.085 m η = 0.8	η = 0.8	x: 1.176 m η = 15.6	x: 1.176 m η = 8.5	x: 0.086 m η = 0.8	x: 0.085 m η = 2.7	x: 1.176 m η = 15.8	x: 1.176 m η = 8.5	x: 1.176 m η = 2.6	x: 1.176 m η = 0.7	x: 1.176 m η = 21.3	x: 1.176 m η = 10.0	x: 1.176 m η = 20.4	**CUMPLE η = 21.3**
N327/N341	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.208 m η = 3.2	x: 0.085 m η = 1.6	x: 0.085 m η = 3.5	x: 0.085 m η = 12.8	x: 1.209 m η = 6.8	x: 0.085 m η = 0.6	x: 0.085 m η = 2.2	x: 0.085 m η = 13.0	x: 1.209 m η = 8.3	x: 0.085 m η = 1.7	x: 1.209 m η = 0.7	x: 0.085 m η = 19.9	x: 1.209 m η = 7.6	x: 0.085 m η = 19.2	**CUMPLE η = 19.9**
N326/N342	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.221 m η = 1.0	x: 0.085 m η = 1.2	η = 0.9	x: 1.222 m η = 9.8	x: 1.222 m η = 3.2	η = 0.1	x: 0.085 m η = 1.6	x: 1.222 m η = 10.0	x: 1.222 m η = 3.5	x: 1.222 m η = 1.0	x: 1.221 m η = 0.1	x: 1.222 m η = 13.2	x: 0.085 m η = 7.4	x: 1.222 m η = 12.4	**CUMPLE η = 13.2**
N325/N343	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.243 m η = 2.2	x: 0.085 m η = 0.7	x: 1.05 m η = 2.8	x: 0.085 m η = 7.5	x: 1.244 m η = 3.2	η = 0.2	x: 0.085 m η = 1.2	x: 0.085 m η = 7.6	x: 1.244 m η = 4.4	x: 0.085 m η = 0.6	x: 1.244 m η = 0.2	x: 1.244 m η = 12.4	x: 1.244 m η = 2.8	x: 0.085 m η = 11.5	**CUMPLE η = 12.4**
N324/N344	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.33 m η = 0.5	x: 0.085 m η = 0.9	η = 1.1	x: 1.33 m η = 4.3	x: 1.33 m η = 1.3	η = 0.1	x: 0.085 m η = 0.7	x: 1.33 m η = 4.4	x: 1.33 m η = 1.7	x: 1.33 m η = 0.2	x: 1.33 m η < 0.1	x: 1.33 m η = 2.7	x: 0.085 m η = 5.6	x: 1.33 m η = 6.0	**CUMPLE η = 6.0**
N323/N345	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.253 m η = 1.7	x: 0.085 m η = 0.8	x: 0.085 m η = 2.5	x: 0.085 m η = 3.0	x: 1.254 m η = 1.4	η = 0.1	x: 0.085 m η = 0.5	x: 0.085 m η = 3.0	x: 1.254 m η = 2.5	x: 0.085 m η = 0.1	x: 1.253 m η = 0.1	x: 1.254 m η = 6.5	x: 1.254 m η = 2.3	x: 0.085 m η = 5.4	**CUMPLE η = 6.5**
N322/N346	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.332 m η = 0.4	x: 0.085 m η = 0.9	x: 0.916 m η = 1.2	x: 0.085 m η = 0.7	x: 0.085 m η = 0.7	η < 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 1.0	x: 1.332 m η = 1.0	x: 0.085 m η < 0.1	x: 1.332 m η < 0.1	N.P.[1]	x: 0.085 m η = 2.3	x: 0.085 m η = 2.1	**CUMPLE η = 2.3**
N321/N347	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.242 m η = 1.7	x: 0.085 m η = 0.8	η = 2.7	x: 1.243 m η = 1.4	x: 1.243 m η = 1.1	η = 0.1	x: 1.242 m η = 0.3	x: 1.243 m η = 1.8	x: 1.243 m η = 2.3	x: 1.242 m η < 0.1	x: 1.242 m η = 0.1	x: 1.243 m η = 5.2	x: 1.243 m η = 2.0	x: 1.243 m η = 3.6	**CUMPLE η = 5.2**
N320/N348	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.311 m η = 0.4	x: 0.085 m η = 1.1	x: 0.698 m η = 1.1	x: 1.311 m η = 3.1	x: 1.311 m η = 1.1	η = 0.1	x: 1.311 m η = 0.5	x: 1.311 m η = 3.2	x: 1.311 m η = 1.4	x: 1.311 m η = 0.1	x: 1.311 m η < 0.1	x: 0.085 m η = 2.3	x: 0.085 m η = 5.0	x: 0.085 m η = 5.0	**CUMPLE η = 5.0**
N319/N349	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.251 m η = 1.1	x: 0 m η = 0.6	x: 1.251 m η = 2.7	x: 1.252 m η = 4.8	x: 1.252 m η = 1.9	η = 0.2	x: 1.251 m η = 0.7	x: 1.252 m η = 5.0	x: 1.252 m η = 3.1	x: 1.252 m η = 0.3	x: 1.252 m η = 0.1	x: 1.252 m η = 8.2	x: 1.252 m η = 2.3	x: 1.252 m η = 7.1	**CUMPLE η = 8.2**
N318/N350	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.329 m η = 5.1	x: 0.079 m η = 1.8	x: 0.08 m η = 1.1	x: 1.33 m η = 3.7	x: 1.33 m η = 1.7	x: 0.079 m η = 0.2	x: 1.329 m η = 0.6	x: 1.33 m η = 3.8	x: 1.33 m η = 2.0	x: 1.33 m η = 0.2	x: 1.329 m η < 0.1	x: 1.33 m η = 10.5	x: 0.079 m η = 3.5	x: 1.33 m η = 9.7	**CUMPLE η = 10.5**
N317/N351	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.376 m η = 0.6	x: 0 m η = 0.1	η = 2.3	x: 1.377 m η = 3.2	x: 1.377 m η = 0.9	η = 0.1	x: 1.376 m η = 0.5	x: 1.377 m η = 3.3	x: 1.376 m η = 1.1	x: 1.377 m η = 0.1	x: 1.376 m η < 0.1	x: 1.377 m η = 5.2	x: 0 m η = 1.6	x: 1.377 m η = 4.6	**CUMPLE η = 5.2**
N316/N352	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.48 m η = 4.1	x: 0.085 m η = 1.5	η = 0.9	x: 1.481 m η = 3.5	x: 1.481 m η = 0.8	η = 0.1	x: 1.48 m η = 0.5	x: 1.481 m η = 3.6	x: 1.481 m η = 0.9	x: 1.481 m η = 0.1	x: 1.48 m η < 0.1	x: 1.481 m η = 9.0	x: 0.085 m η = 3.0	x: 1.481 m η = 8.4	**CUMPLE η = 9.0**
N315/N353	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.549 m η = 0.6	x: 0 m η = 0.3	x: 0 m η = 2.2	x: 0 m η = 2.1	x: 1.55 m η = 2.6	x: 0 m η = 0.2	x: 1.549 m η = 0.3	x: 0 m η = 2.2	x: 1.55 m η = 3.6	x: 0 m η < 0.1	x: 1.55 m η = 0.1	x: 1.55 m η = 6.5	x: 0 m η = 1.2	x: 1.55 m η = 3.6	**CUMPLE η = 6.5**
N314/N354	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.609 m η = 2.1	x: 0.089 m η = 0.8	η = 0.3	x: 1.61 m η = 2.1	x: 1.61 m η = 1.3	η = 0.1	x: 1.609 m η = 0.3	x: 1.61 m η = 2.2	x: 1.61 m η = 1.3	x: 1.61 m η = 0.1	x: 1.609 m η < 0.1	x: 1.61 m η = 5.4	x: 0.089 m η = 2.0	x: 1.61 m η = 4.7	**CUMPLE η = 5.4**
N313/N355	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.66 m η = 0.5	x: 0 m η = 0.3	η = 1.7	x: 1.661 m η = 1.6	x: 1.661 m η = 2.1	η = 0.1	x: 1.66 m η = 0.2	x: 1.661 m η = 1.6	x: 1.661 m η = 2.9	x: 1.66 m η < 0.1	x: 1.66 m η = 0.1	x: 1.661 m η = 5.2	x: 1.661 m η = 1.7	x: 1.661 m η = 2.9	**CUMPLE η = 5.2**
N312/N356	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.715 m η = 1.8	x: 0.093 m η = 0.7	η = 0.6	x: 1.716 m η = 1.5	x: 0.093 m η = 1.5	η = 0.1	x: 1.715 m η = 0.2	x: 1.716 m η = 1.5	x: 0.093 m η = 1.7	x: 1.715 m η < 0.1	x: 0.093 m η < 0.1	x: 1.716 m η = 4.1	x: 0.093 m η = 1.6	x: 1.716 m η = 3.6	**CUMPLE η = 4.1**
N311/N357	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.75 m η = 0.4	x: 0 m η = 0.4	η = 1.1	x: 1.751 m η = 1.1	x: 1.751 m η = 2.3	η = 0.1	x: 1.75 m η = 0.1	x: 1.751 m η = 1.1	x: 1.751 m η = 2.8	x: 1.75 m η < 0.1	x: 1.75 m η = 0.1	x: 1.751 m η = 4.7	x: 1.751 m η = 1.7	x: 1.751 m η = 3.1	**CUMPLE η = 4.7**
N310/N358	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.799 m η = 1.6	x: 0.096 m η = 0.7	η = 0.6	x: 1.8 m η = 1.0	x: 1.8 m η = 1.5	η < 0.1	x: 1.799 m η = 0.1	x: 1.8 m η = 1.0	x: 1.8 m η = 1.8	x: 1.799 m η < 0.1	x: 1.799 m η < 0.1	x: 1.8 m η = 3.8	x: 0.096 m η = 1.4	x: 1.8 m η = 2.8	**CUMPLE η = 3.8**
N309/N359	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.819 m η = 0.4	x: 0 m η = 0.5	η = 0.6	x: 1.82 m η = 0.7	x: 1.82 m η = 2.6	η = 0.1	x: 1.819 m η = 0.1	x: 1.82 m η = 0.8	x: 1.82 m η = 2.8	x: 1.819 m η < 0.1	x: 1.819 m η = 0.1	x: 1.82 m η = 4.5	x: 1.82 m η = 3.6	x: 1.82 m η = 3.3	**CUMPLE η = 4.5**
N308/N360	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.862 m η = 1.4	x: 0.098 m η = 0.6	η = 0.8	x: 1.863 m η = 0.8	x: 1.863 m η = 2.3	η = 0.1	x: 1.862 m η = 0.1	x: 1.863 m η = 1.0	x: 1.863 m η = 2.6	x: 1.862 m η < 0.1	x: 1.862 m η = 0.1	x: 1.863 m η = 4.8	x: 0.098 m η = 1.0	x: 1.863 m η = 3.3	**CUMPLE η = 4.8**
N307/N361	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.86 m η = 0.3	x: 0 m η = 0.5	η = 0.7	x: 0 m η = 0.8	x: 1.861 m η = 3.2	η = 0.1	x: 0 m η = 0.1	x: 0 m η = 0.8	x: 1.861 m η = 3.3	x: 0 m η < 0.1	x: 1.861 m η = 0.1	x: 1.861 m η = 4.9	x: 1.861 m η = 4.0	x: 1.861 m η = 4.2	**CUMPLE η = 4.9**
N306/N362	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.899 m η = 1.4	x: 0.099 m η = 0.6	η = 0.8	x: 0.099 m η = 0.9	x: 1.9 m η = 2.8	η = 0.1	x: 0.099 m η = 0.1	x: 0.099 m η = 1.3	x: 1.9 m η = 3.1	x: 0.099 m η < 0.1	x: 1.899 m η = 0.1	x: 1.9 m η = 5.8	x: 0.099 m η = 0.9	x: 1.9 m η = 4.1	**CUMPLE η = 5.8**
N305/N363	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.888 m η = 0.5	x: 0 m η = 1.2	η = 0.7	x: 0 m η = 1.0	x: 1.889 m η = 4.1	x: 0.189 m η = 0.3	x: 0 m η = 0.1	x: 0 m η = 1.2	x: 1.889 m η = 4.3	x: 0 m η < 0.1	x: 1.889 m η = 0.2	x: 1.889 m η = 6.7	x: 1.889 m η = 5.4	x: 1.889 m η = 5.4	**CUMPLE η = 6.7**
N304/N364	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.913 m η = 1.8	x: 0.085 m η = 0.7	η = 0.6	x: 0.085 m η = 1.1	x: 1.914 m η = 3.4	x: 0.085 m η = 0.2	x: 1.182 m η = 0.1	x: 0.085 m η = 1.3	x: 1.914 m η = 3.6	x: 0.085 m η < 0.1	x: 1.914 m η = 0.1	x: 1.914 m η = 6.9	x: 1.182 m η = 2.3	x: 1.914 m η = 5.3	**CUMPLE η = 6.9**
N303/N365	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.889 m η = 0.6	x: 0 m η = 1.2	η = 0.4	x: 1.89 m η = 1.7	x: 1.89 m η = 4.1	x: 0.756 m η = 0.3	x: 1.889 m η = 0.2	x: 1.89 m η = 1.8	x: 1.89 m η = 4.2	x: 1.889 m η < 0.1	x: 1.89 m η = 0.2	x: 1.89 m η = 7.7	x: 1.89 m η = 6.2	x: 1.89 m η = 6.0	**CUMPLE η = 7.7**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N302/N366	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.891 m η = 3.6	x: 0.547 m η = 5.1	η = 0.4	x: 1.892 m η = 1.2	x: 1.892 m η = 1.9	x: 0.547 m η = 0.2	x: 1.891 m η = 0.1	x: 1.892 m η = 1.3	x: 1.892 m η = 2.0	x: 1.891 m η < 0.1	x: 1.891 m η < 0.1	x: 1.892 m η = 6.4	x: 1.892 m η = 7.2	x: 1.892 m η = 7.4	**CUMPLE** **η = 7.4**
N301/N367	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.853 m η = 0.4	x: 0 m η = 0.6	η = 0.4	x: 0 m η = 1.5	x: 1.854 m η = 3.4	x: 0.371 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 1.6	x: 1.854 m η = 3.4	x: 0 m η < 0.1	x: 1.854 m η = 0.1	x: 1.854 m η = 6.1	x: 1.854 m η = 5.0	x: 1.854 m η = 4.8	**CUMPLE** **η = 6.1**
N300/N368	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.862 m η = 1.5	x: 0.098 m η = 0.5	η = 0.9	x: 1.863 m η = 1.6	x: 1.863 m η = 2.7	η = 0.2	x: 1.862 m η = 0.2	x: 1.863 m η = 1.7	x: 1.863 m η = 3.1	x: 1.862 m η < 0.1	x: 1.863 m η = 0.1	x: 1.863 m η = 5.7	x: 1.863 m η = 4.3	x: 1.863 m η = 4.2	**CUMPLE** **η = 5.7**
N299/N369	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.815 m η = 0.4	x: 0 m η = 0.8	η = 0.7	x: 0 m η = 1.4	x: 1.816 m η = 3.2	η = 0.2	x: 1.815 m η = 0.2	x: 0 m η = 1.7	x: 1.816 m η = 3.2	x: 0 m η < 0.1	x: 1.816 m η = 0.1	x: 1.816 m η = 4.7	x: 1.816 m η = 4.1	x: 1.816 m η = 4.3	**CUMPLE** **η = 4.7**
N298/N370	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.799 m η = 1.7	x: 0.096 m η = 0.7	η = 1.0	x: 1.8 m η = 1.9	x: 1.8 m η = 2.2	η = 0.1	x: 1.799 m η = 0.2	x: 1.8 m η = 2.1	x: 1.8 m η = 2.6	x: 1.799 m η < 0.1	x: 1.799 m η = 0.1	x: 1.8 m η = 5.0	x: 1.8 m η = 1.5	x: 1.8 m η = 3.2	**CUMPLE** **η = 5.0**
N297/N371	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.746 m η = 0.3	x: 0 m η = 0.5	η = 1.0	x: 1.747 m η = 1.7	x: 1.747 m η = 2.5	η = 0.1	x: 1.746 m η = 0.2	x: 1.747 m η = 2.1	x: 1.747 m η = 2.7	x: 1.746 m η < 0.1	x: 1.746 m η = 0.1	x: 1.747 m η = 3.9	x: 1.747 m η = 3.7	x: 1.747 m η = 3.3	**CUMPLE** **η = 3.9**
N296/N372	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.715 m η = 1.9	x: 0.093 m η = 0.8	η = 0.9	x: 1.716 m η = 2.3	x: 0.093 m η = 1.3	η = 0.1	x: 1.715 m η = 0.3	x: 1.716 m η = 2.5	x: 0.093 m η = 1.6	x: 1.716 m η = 0.1	x: 0.093 m η < 0.1	x: 1.716 m η = 4.7	x: 1.716 m η = 2.6	x: 1.716 m η = 3.9	**CUMPLE** **η = 4.7**
N295/N373	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.654 m η = 0.6	x: 0 m η = 0.6	η = 1.5	x: 1.655 m η = 2.2	x: 1.655 m η = 1.6	η = 0.1	x: 1.654 m η = 0.3	x: 1.655 m η = 2.5	x: 1.655 m η = 2.2	x: 1.655 m η = 0.1	x: 1.654 m η < 0.1	x: 1.655 m η = 4.6	x: 0 m η = 3.1	x: 1.655 m η = 3.3	**CUMPLE** **η = 4.6**
N294/N374	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.609 m η = 2.2	x: 0.089 m η = 0.9	η = 0.8	x: 1.61 m η = 2.9	x: 1.61 m η = 1.5	x: 1.42 m η = 0.1	x: 1.609 m η = 0.4	x: 1.61 m η = 3.2	x: 1.61 m η = 1.7	x: 1.61 m η = 0.1	x: 1.609 m η < 0.1	x: 1.61 m η = 6.4	x: 0.089 m η = 3.3	x: 1.61 m η = 4.9	**CUMPLE** **η = 6.4**
N293/N375	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.542 m η = 0.9	x: 0 m η = 0.8	η = 1.9	x: 0 m η = 2.6	x: 1.543 m η = 2.4	x: 0 m η = 0.2	x: 1.542 m η = 0.4	x: 0 m η = 2.8	x: 1.543 m η = 2.6	x: 0 m η = 0.1	x: 1.543 m η = 0.1	x: 1.543 m η = 5.2	x: 0.193 m η = 3.4	x: 0 m η = 4.1	**CUMPLE** **η = 5.2**
N292/N376	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.48 m η = 4.3	x: 0.085 m η = 1.6	η = 0.7	x: 1.481 m η = 4.1	x: 1.481 m η = 2.7	η = 0.3	x: 1.48 m η = 0.6	x: 1.481 m η = 4.2	x: 1.481 m η = 2.7	x: 1.481 m η = 0.2	x: 1.481 m η = 0.1	x: 0.085 m η = 9.6	x: 0.085 m η = 5.1	x: 1.481 m η = 8.8	**CUMPLE** **η = 9.6**
N291/N377	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.368 m η = 1.3	x: 0 m η = 1.3	x: 0.685 m η = 2.4	x: 0 m η = 3.8	x: 1.369 m η = 2.7	x: 0 m η = 0.3	x: 1.368 m η = 0.6	x: 0 m η = 3.9	x: 1.369 m η = 2.8	x: 0 m η = 0.2	x: 1.369 m η = 0.1	x: 0 m η = 7.0	x: 0 m η = 4.4	x: 0 m η = 6.1	**CUMPLE** **η = 7.0**
N290/N378	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.329 m η = 5.3	x: 0.079 m η = 2.3	η = 0.7	x: 1.33 m η = 3.7	x: 1.33 m η = 1.8	η = 0.2	x: 1.329 m η = 0.6	x: 1.33 m η = 3.9	x: 1.33 m η = 2.0	x: 1.33 m η = 0.2	x: 1.329 m η < 0.1	x: 1.33 m η = 10.4	x: 0.079 m η = 3.5	x: 1.33 m η = 10.0	**CUMPLE** **η = 10.4**
N289/N379	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.24 m η = 2.8	x: 0 m η = 2.9	η = 2.6	x: 1.241 m η = 4.9	x: 1.241 m η = 1.7	η = 0.1	x: 1.24 m η = 0.8	x: 1.241 m η = 5.1	x: 1.241 m η = 2.8	x: 1.241 m η = 0.3	x: 1.24 m η = 0.1	x: 1.241 m η = 7.6	x: 0 m η = 6.2	x: 1.241 m η = 7.0	**CUMPLE** **η = 7.6**
N288/N380	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.225 m η = 0.9	x: 0.085 m η = 1.7	η = 1.1	x: 1.226 m η = 4.9	x: 1.226 m η = 1.2	η = 0.1	x: 1.225 m η = 0.8	x: 1.226 m η = 4.9	x: 1.226 m η = 1.6	x: 1.226 m η = 0.2	x: 1.225 m η < 0.1	x: 1.226 m η = 7.9	x: 1.226 m η = 5.3	x: 1.226 m η = 7.0	**CUMPLE** **η = 7.9**
N287/N381	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.232 m η = 2.2	x: 0.085 m η = 1.6	η = 2.6	x: 1.233 m η = 3.9	x: 1.233 m η = 1.5	η = 0.1	x: 1.232 m η = 0.7	x: 1.233 m η = 4.0	x: 1.233 m η = 2.6	x: 1.233 m η = 0.2	x: 1.232 m η = 0.1	x: 1.233 m η = 8.7	x: 1.233 m η = 5.7	x: 1.233 m η = 7.3	**CUMPLE** **η = 8.7**
N286/N382	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.332 m η = 0.8	x: 0.085 m η = 1.4	η = 1.3	x: 1.332 m η = 2.9	x: 1.332 m η = 0.9	η = 0.1	x: 0.085 m η = 0.5	x: 1.332 m η = 3.0	x: 1.332 m η = 1.0	x: 1.332 m η = 0.1	x: 1.332 m η < 0.1	x: 1.332 m η = 4.9	x: 1.332 m η = 4.8	x: 1.332 m η = 5.0	**CUMPLE** **η = 5.0**
N285/N383	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.244 m η = 1.8	x: 0.085 m η = 1.1	x: 0.472 m η = 2.4	x: 0.085 m η = 3.8	x: 1.245 m η = 1.9	x: 1.244 m η = 0.2	x: 0.085 m η = 0.6	x: 0.085 m η = 3.8	x: 1.245 m η = 1.9	x: 0.085 m η = 0.1	x: 1.244 m η < 0.1	x: 1.245 m η = 6.6	x: 1.245 m η = 5.8	x: 0.085 m η = 5.7	**CUMPLE** **η = 6.6**
N284/N384	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.33 m η = 0.6	x: 0.085 m η = 1.0	η = 1.2	x: 1.33 m η = 4.6	x: 1.33 m η = 1.6	x: 1.33 m η = 0.2	x: 0.085 m η = 0.7	x: 1.33 m η = 4.6	x: 0.085 m η = 1.8	x: 1.33 m η = 0.2	x: 0.085 m η < 0.1	x: 1.33 m η = 4.5	x: 1.33 m η = 6.1	x: 1.33 m η = 6.4	**CUMPLE** **η = 6.4**
N283/N385	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.234 m η = 1.9	x: 0.085 m η = 0.7	x: 0.085 m η = 2.8	x: 0.085 m η = 7.8	x: 1.235 m η = 2.5	η = 0.2	x: 0.085 m η = 1.3	x: 0.085 m η = 7.9	x: 1.235 m η = 3.7	x: 0.085 m η = 0.6	x: 1.235 m η = 0.1	x: 1.235 m η = 12.3	x: 0.085 m η = 6.5	x: 0.085 m η = 11.6	**CUMPLE** **η = 12.3**
N282/N386	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.221 m η = 0.6	x: 0.085 m η = 0.6	η = 0.9	x: 1.222 m η = 10.2	x: 1.222 m η = 3.0	η = 0.1	x: 0.085 m η = 1.7	x: 1.222 m η = 10.3	x: 1.222 m η = 3.4	x: 1.222 m η = 1.1	x: 1.221 m η = 0.1	x: 1.222 m η = 13.5	x: 0.085 m η = 7.6	x: 1.222 m η = 12.9	**CUMPLE** **η = 13.5**
N281/N387	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.201 m η = 2.7	x: 0.085 m η = 0.4	x: 0.085 m η = 3.4	x: 0.085 m η = 13.3	x: 1.202 m η = 6.6	η = 0.5	x: 0.085 m η = 2.3	x: 0.085 m η = 13.4	x: 1.202 m η = 8.1	x: 0.085 m η = 1.8	x: 1.202 m η = 0.7	x: 0.085 m η = 19.7	x: 0.085 m η = 6.5	x: 0.085 m η = 19.2	**CUMPLE** **η = 19.7**
N280/N388	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.175 m η = 0.9	x: 0.085 m η = 0.3	η = 0.8	x: 1.176 m η = 16.0	x: 1.176 m η = 8.2	x: 0.086 m η = 0.8	x: 0.085 m η = 2.8	x: 1.176 m η = 16.1	x: 1.176 m η = 8.2	x: 1.176 m η = 2.7	x: 1.176 m η = 0.7	x: 1.176 m η = 21.6	x: 1.176 m η = 7.4	x: 1.176 m η = 20.9	**CUMPLE** **η = 21.6**
N279/N389	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.144 m η = 1.0	x: 0.085 m η = 0.7	x: 0.438 m η = 3.1	x: 0.085 m η = 23.1	x: 1.145 m η = 16.8	x: 0.262 m η = 2.1	x: 0.085 m η = 4.1	x: 0.085 m η = 23.2	x: 1.145 m η = 18.1	x: 0.085 m η = 5.6	x: 1.145 m η = 3.3	x: 1.145 m η = 31.9	x: 1.145 m η = 11.9	x: 0.085 m η = 29.2	**CUMPLE** **η = 31.9**
N278/N391	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.066 m η = 0.8	x: 0.085 m η = 2.1	x: 0.33 m η = 1.2	x: 1.067 m η = 4.2	x: 1.067 m η = 13.9	x: 0.33 m η = 1.9	x: 1.066 m η = 0.8	x: 1.067 m η = 4.2	x: 1.067 m η = 14.3	x: 1.067 m η = 0.2	x: 1.067 m η = 2.1	x: 1.067 m η = 5.7	x: 1.067 m η = 16.4	x: 1.067 m η = 17.7	**CUMPLE** **η = 17.7**
N277/N393	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.983 m η = 1.4	x: 0.086 m η = 0.2	η = 2.1	x: 0.086 m η = 5.9	x: 0.086 m η = 12.7	η = 2.7	η = 0.5	x: 0.086 m η = 6.8	x: 0.086 m η = 12.7	x: 0.086 m η = 0.5	x: 0.086 m η = 1.7	x: 0.984 m η = 17.9	x: 0.984 m η = 4.2	x: 0.086 m η = 17.3	**CUMPLE** **η = 17.9**
N270/N394	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.916 m η = 1.1	x: 0.085 m η = 1.0	x: 0.293 m η = 2.3	x: 0.917 m η = 4.2	x: 0.085 m η = 15.6	x: 0.501 m η = 2.9	x: 0.916 m η = 0.9	x: 0.917 m η = 4.2	x: 0.085 m η = 16.7	x: 0.917 m η = 0.2	x: 0.085 m η = 2.9	x: 0.085 m η = 23.3	x: 0.085 m η = 18.9	x: 0.085 m η = 19.8	**CUMPLE** **η = 23.3**
N406/N400	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.682 m η < 0.1	x: 0.085 m η = 0.1	η = 7.2	x: 0.683 m η = 2.9	x: 0.683 m η = 5.5	η = 1.8	x: 0.682 m η = 1.0	x: 0.683 m η = 3.4	x: 0.683 m η = 8.6	x: 0.682 m η = 0.1	x: 0.683 m η = 0.8	x: 0.683 m η = 14.1	x: 0.683 m η = 11.8	x: 0.682 m η = 8.7	**CUMPLE** **η = 14.1**
N400/N407	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.022 m η = 0.6	x: 0.138 m η = 3.5	x: 0.802 m η = 2.5	x: 0.138 m η = 10.1	x: 0.138 m η = 8.4	η = 0.7	x: 1.023 m η = 2.6	x: 0.138 m η = 10.2	x: 0.138 m η = 9.5	x: 0.138 m η = 1.1	x: 0.138 m η = 0.9	x: 0.138 m η = 4.7	x: 0.138 m η = 14.4	x: 0.138 m η = 13.2	**CUMPLE** **η = 14.4**
N409/N410	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.979 m η = 8.5	x: 0.045 m η = 45.8	η = 5.4	x: 0.98 m η = 3.0	x: 0.045 m η = 9.5	x: 0.979 m η = 1.2	x: 0.045 m η = 0.9	x: 0.98 m η = 3.4	x: 0.045 m η = 10.3	x: 0.98 m η = 0.1	x: 0.045 m η = 1.1	x: 0.98 m η = 10.4	x: 0.98 m η = 49.7	x: 0.98 m η = 49.5	**CUMPLE** **η = 49.7**
N410/N411	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.992 m η = 3.9	x: 0.057 m η = 24.1	η = 5.2	x: 0.057 m η = 2.4	x: 0.057 m η = 3.9	η = 0.6	x: 0.057 m η = 0.6	x: 0.057 m η = 3.2	x: 0.057 m η = 5.1	x: 0.057 m η = 0.1	x: 0.057 m η = 0.3	x: 0.057 m η = 10.2	x: 0.057 m η = 27.7	x: 0.057 m η = 27.2	**CUMPLE** **η = 27.7**
N411/N412	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.982 m η = 3.9	x: 0.045 m η = 23.8	η = 5.0	x: 0.983 m η = 4.2	x: 0.983 m η = 3.1	η = 0.4	x: 0.045 m η = 1.3	x: 0.983 m η = 4.6	x: 0.983 m η = 4.1	x: 0.983 m η = 0.2	x: 0.983 m η = 0.2	x: 0.983 m η = 7.1	x: 0.983 m η = 29.0	x: 0.983 m η = 29.0	**CUMPLE** **η = 29.0**
N412/N413	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.526 m η = 6.3	x: 0.526 m η = 12.2	η = 4.2	x: 0.995 m η = 1.0	x: 0.995 m η = 3.2	η = 0.2	x: 0.994 m η = 0.3	x: 0.995 m η = 2.7	x: 0.995 m η = 3.7	x: 0.994 m η = 0.1	x: 0.995 m η = 0.1	x: 0.995 m η = 11.6	x: 0.995 m η = 15.9	x: 0.995 m η = 13.8	**CUMPLE** **η = 15.9**
N413/N414	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 6.4	x: 0.045 m η = 12.2	η = 3.8	x: 0.984 m η = 4.6	x: 0.984 m η = 3.1	η = 0.1	x: 0.045 m η = 1.1	x: 0.984 m η = 4.8	x: 0.045 m η = 3.6	x: 0.984 m η = 0.2	x: 0.045 m η = 0.1	x: 0.984 m η = 12.4	x: 0.045 m η = 16.1	x: 0.984 m η = 15.5	**CUMPLE** **η = 16.1**
N414/N415	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.995 m η = 10.1	x: 0.056 m η = 12.3	η = 3.3	x: 0.056 m η = 2.8	x: 0.996 m η = 3.9	η = 0.3	x: 0.995 m η = 0.4	x: 0.056 m η = 2.9	x: 0.996 m η = 4.2	x: 0.056 m η = 0.1	x: 0.995 m η = 0.2	x: 0.291 m η = 15.1	x: 0.056 m η = 16.7	x: 0.056 m η = 14.6	**CUMPLE** **η = 16.7**
N415/N416	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 10.3	x: 0.045 m η = 12.4	η = 2.8	x: 0.985 m η = 4.4	x: 0.985 m η = 4.5	η = 0.5	x: 0.045 m η = 0.9	x: 0.985 m η = 4.5	x: 0.985 m η = 4.9	x: 0.985 m η = 0.2	x: 0.984 m η = 0.2	x: 0.985 m η = 15.9	x: 0.045 m η = 15.6	x: 0.045 m η = 13.8	**CUMPLE** **η = 15.9**
N416/N417	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.995 m η = 13.2	x: 0.057 m η = 14.8	η = 3.1	x: 0.057 m η = 4.0	x: 0.057 m η = 5.2	η = 0.3	x: 0.995 m η = 0.8	x: 0.057 m η = 4.4	x: 0.057 m η = 6.5	x: 0.057 m η = 0.2	x: 0.057 m η = 0.4	x: 0.057 m η = 16.5	x: 0.996 m η = 17.5	x: 0.996 m η = 16.4	**CUMPLE** **η = 17.5**
N417/N418	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.982 m η = 13.3	x: 0.045 m η = 14.8	η = 3.5	x: 0.983 m η = 3.8	x: 0.045 m η = 4.0	η = 0.3	x: 0.045 m η = 0.7	x: 0.983 m η = 4.3	x: 0.045 m η = 5.1	x: 0.983 m η = 0.2	x: 0.045 m η = 0.3	x: 0.983 m η = 16.7	x: 0.045 m η = 16.8	x: 0.983 m η = 16.1	**CUMPLE** **η = 16.8**
N418/N419	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.93 m η = 15.1	x: 0.055 m η = 18.7	η = 3.9	x: 0.055 m η = 4.9	x: 0.055 m η = 3.7	η = 0.3	x: 0.93 m η = 1.3	x: 0.055 m η = 5.5	x: 0.055 m η = 5.1	x: 0.055 m η = 0.3	x: 0.055 m η = 0.3	x: 0.93 m η = 19.7	x: 0.93 m η = 22.9	x: 0.93 m η = 23.0	**CUMPLE** **η = 23.0**
N419/N420	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.886 m η = 15.1	x: 0 m η = 18.8	η = 3.7	x: 0 m η = 3.0	x: 0 m η = 3.3	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 3.1	x: 0 m η = 4.5	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 20.0	x: 0 m η = 22.2	x: 0 m η = 22.5	**CUMPLE** **η = 22.5**
N420/N421	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.953 m η = 14.9	x: 0.054 m η = 21.1	η = 3.2	x: 0.054 m η = 3.0	x: 0.054 m η = 3.4	η = 0.3	x: 0.953 m η = 0.9	x: 0.054 m η = 3.6	x: 0.054 m η = 4.6	x: 0.054 m η = 0.1	x: 0.054 m η = 0.2	x: 0.953 m η = 20.7	x: 0.953 m η = 25.7	x: 0.953 m η = 25.2	**CUMPLE** **η = 25.7**
N421/N422	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.894 m η = 14.9	x: 0 m η = 21.1	η = 2.8	x: 0 m η = 2.8	x: 0 m η = 2.9	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 3.0	x: 0 m η = 3.8	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 21.2	x: 0 m η = 25.7	x: 0 m η = 25.0	**CUMPLE** **η = 25.7**
N422/N423	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.951 m η = 13.8	x: 0.052 m η = 22.0	η = 2.9	x: 0.052 m η = 2.5	x: 0.951 m η = 3.5	η = 0.2	x: 0.951 m η = 1.0	x: 0.951 m η = 3.0	x: 0.052 m η = 4.6	x: 0.951 m η = 0.1	x: 0.052 m η = 0.2	x: 0.951 m η = 19.9	x: 0.951 m η = 27.8	x: 0.951 m η = 26.2	**CUMPLE** **η = 27.8**
N423/N424	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.892 m η = 14.0	x: 0.892 m η = 22.3	η = 3.0	x: 0 m η = 2.4	x: 0 m η = 3.7	η = 0.2	x: 0 m η = 0.7	x: 0.892 m η = 3.2	x: 0 m η = 4.7	x: 0.891 m η = 0.1	x: 0 m η = 0.2	x: 0.892 m η = 21.4	x: 0 m η = 27.9	x: 0 m η = 26.3	**CUMPLE** **η = 27.9**
N424/N425	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 4.7	x: 0.051 m η = 16.4	η = 3.5	x: 0.051 m η = 3.2	x: 0.051 m η = 4.2	η = 0.2	x: 0.938 m η = 0.9	x: 0.051 m η = 4.2	x: 0.051 m η = 5.5	x: 0.051 m η = 0.2	x: 0.051 m η = 0.3	x: 0.051 m η = 14.2	x: 0.938 m η = 19.8	x: 0.051 m η = 19.4	**CUMPLE** **η = 19.8**
N425/N426	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.9 m η = 4.7	x: 0 m η = 16.5	η = 3.6	x: 0 m η = 1.8	x: 0 m η = 4.1	η = 0.2	x: 0 m η = 0.7	x: 0 m η = 2.7	x: 0 m η = 5.4	x: 0 m η = 0.1	x: 0 m η = 0.3	x: 0 m η = 11.6	x: 0 m η = 19.5	x: 0 m η = 19.1	**CUMPLE** **η = 19.5**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N426/N427	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.948 m η = 5.5	x: 0.051 m η = 18.1	η = 4.2	x: 0.948 m η = 1.9	x: 0.051 m η = 4.3	η = 0.2	x: 0.948 m η = 0.8	x: 0.051 m η = 3.1	x: 0.051 m η = 6.0	x: 0.051 m η = 0.1	x: 0.051 m η = 0.4	x: 0.051 m η = 10.8	x: 0.948 m η = 21.6	x: 0.948 m η = 20.8	**CUMPLE η = 21.6**
N427/N428	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.885 m η = 5.5	x: 0 m η = 18.0	η = 4.2	x: 0 m η = 1.8	x: 0 m η = 3.8	η = 0.3	x: 0 m η = 0.7	x: 0 m η = 2.9	x: 0 m η = 5.5	x: 0 m η = 0.1	x: 0 m η = 0.3	x: 0 m η = 8.8	x: 0 m η = 21.6	x: 0 m η = 20.7	**CUMPLE η = 21.6**
N428/N429	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.935 m η = 6.1	x: 0.05 m η = 19.0	x: 0.05 m η = 5.6	x: 0.935 m η = 2.0	x: 0.05 m η = 3.8	η = 0.7	x: 0.935 m η = 0.8	x: 0.05 m η = 3.2	x: 0.05 m η = 5.6	x: 0.05 m η = 0.1	x: 0.05 m η = 0.3	x: 0.05 m η = 8.2	x: 0.05 m η = 22.7	x: 0.935 m η = 21.6	**CUMPLE η = 22.7**
N429/N430	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 6.1	x: 0 m η = 19.1	η = 5.3	x: 0 m η = 1.9	x: 0.972 m η = 6.9	η = 0.9	x: 0 m η = 0.6	x: 0.972 m η = 3.0	x: 0.972 m η = 9.0	x: 0.971 m η = 0.1	x: 0.972 m η = 0.8	x: 0 m η = 8.1	x: 0 m η = 22.9	x: 0 m η = 21.7	**CUMPLE η = 22.9**
N430/N431	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.839 m η = 6.5	x: 0.049 m η = 19.4	η = 3.7	x: 0.839 m η = 1.7	x: 0.839 m η = 13.5	x: 0.247 m η = 2.0	x: 0.839 m η = 0.7	x: 0.049 m η = 2.7	x: 0.839 m η = 14.9	x: 0.049 m η = 0.1	x: 0.839 m η = 2.3	x: 0.839 m η = 8.5	x: 0.839 m η = 23.7	x: 0.839 m η = 23.9	**CUMPLE η = 23.9**
N431/N432	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.905 m η = 6.5	x: 0 m η = 19.5	η = 3.3	x: 0 m η = 1.7	x: 0.906 m η = 25.4	x: 0 m η = 2.6	x: 0 m η = 0.7	x: 0.906 m η = 2.6	x: 0.906 m η = 26.0	x: 0.905 m η = 0.1	x: 0.906 m η = 6.8	x: 0.906 m η = 9.0	x: 0.906 m η = 33.5	x: 0.906 m η = 37.9	**CUMPLE η = 37.9**
N432/N433	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.945 m η = 6.6	x: 0.058 m η = 19.7	η = 3.2	x: 0.945 m η = 1.9	x: 0.058 m η = 23.0	η = 2.3	x: 0.945 m η = 0.7	x: 0.945 m η = 2.4	x: 0.058 m η = 24.2	x: 0.945 m η = 0.1	x: 0.058 m η = 5.9	x: 0.058 m η = 8.5	x: 0.058 m η = 32.0	x: 0.058 m η = 34.5	**CUMPLE η = 34.5**
N433/N434	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.09 m η = 6.6	x: 0 m η = 19.9	x: 0.364 m η = 4.7	x: 0 m η = 1.9	x: 0 m η = 12.7	x: 0.364 m η = 1.6	x: 0 m η = 0.6	x: 1.091 m η = 2.8	x: 0 m η = 14.7	x: 1.09 m η = 0.1	x: 0 m η = 2.2	x: 0 m η = 8.0	x: 0 m η = 24.1	x: 0 m η = 22.5	**CUMPLE η = 24.1**
N435/N434	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.127 m η = 6.5	x: 0 m η = 20.0	x: 0.376 m η = 6.5	x: 0 m η = 1.9	x: 1.128 m η = 5.7	x: 0.376 m η = 0.7	x: 0 m η = 0.6	x: 1.128 m η = 3.6	x: 1.128 m η = 8.5	x: 1.127 m η = 0.1	x: 1.128 m η = 0.7	x: 0 m η = 7.5	x: 0 m η = 22.1	x: 0 m η = 22.3	**CUMPLE η = 22.3**
N436/N435	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.929 m η = 6.5	x: 0.05 m η = 19.8	x: 0.489 m η = 6.5	x: 0.929 m η = 1.9	x: 0.929 m η = 2.9	x: 0.489 m η = 0.5	x: 0.929 m η = 0.7	x: 0.05 m η = 3.6	x: 0.929 m η = 4.7	x: 0.05 m η = 0.1	x: 0.929 m η = 0.2	x: 0.929 m η = 7.6	x: 0.929 m η = 21.9	x: 0.929 m η = 22.1	**CUMPLE η = 22.1**
N437/N436	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.878 m η = 6.2	x: 0 m η = 19.6	x: 0.22 m η = 5.3	x: 0 m η = 1.6	x: 0.879 m η = 2.6	x: 0.22 m η = 0.3	x: 0 m η = 0.6	x: 0.879 m η = 3.0	x: 0.879 m η = 3.8	x: 0.878 m η = 0.1	x: 0.878 m η = 0.1	x: 0 m η = 7.6	x: 0 m η = 21.4	x: 0 m η = 21.6	**CUMPLE η = 21.6**
N438/N437	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.874 m η = 6.2	x: 0.049 m η = 19.5	η = 4.9	x: 0.874 m η = 1.7	x: 0.049 m η = 2.6	η = 0.2	x: 0.874 m η = 0.7	x: 0.049 m η = 2.8	x: 0.049 m η = 3.8	x: 0.049 m η = 0.1	x: 0.049 m η = 0.1	x: 0.049 m η = 8.7	x: 0.874 m η = 21.3	x: 0.874 m η = 21.6	**CUMPLE η = 21.6**
N439/N438	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.961 m η = 5.8	x: 0 m η = 18.9	η = 3.2	x: 0 m η = 1.7	x: 0 m η = 3.0	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 2.4	x: 0 m η = 4.0	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 10.0	x: 0 m η = 21.0	x: 0 m η = 21.1	**CUMPLE η = 21.1**
N440/N439	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.945 m η = 5.8	x: 0.05 m η = 18.9	η = 2.9	x: 0.945 m η = 1.8	x: 0.05 m η = 3.5	η = 0.2	x: 0.945 m η = 0.7	x: 0.945 m η = 2.2	x: 0.05 m η = 4.5	x: 0.945 m η = 0.1	x: 0.05 m η = 0.2	x: 0.05 m η = 10.8	x: 0.945 m η = 21.2	x: 0.945 m η = 21.1	**CUMPLE η = 21.2**
N441/N440	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.902 m η = 6.0	x: 0 m η = 17.7	η = 2.7	x: 0 m η = 1.4	x: 0 m η = 3.6	η = 0.2	x: 0 m η = 0.5	x: 0 m η = 2.2	x: 0 m η = 4.4	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 12.0	x: 0 m η = 21.2	x: 0 m η = 19.7	**CUMPLE η = 21.2**
N442/N441	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 6.3	x: 0.051 m η = 17.6	η = 2.6	x: 0.931 m η = 1.6	x: 0.051 m η = 3.9	η = 0.2	x: 0.931 m η = 0.7	x: 0.051 m η = 2.1	x: 0.051 m η = 4.7	x: 0.051 m η < 0.1	x: 0.051 m η = 0.2	x: 0.051 m η = 12.6	x: 0.931 m η = 21.1	x: 0.051 m η = 20.0	**CUMPLE η = 21.1**
N443/N442	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.901 m η = 7.2	x: 0 m η = 16.2	η = 2.3	x: 0 m η = 1.5	x: 0 m η = 3.9	η = 0.1	x: 0 m η = 0.5	x: 0 m η = 2.0	x: 0 m η = 4.5	x: 0 m η < 0.1	x: 0 m η = 0.2	x: 0 m η = 13.3	x: 0 m η = 21.7	x: 0 m η = 20.5	**CUMPLE η = 21.7**
N444/N443	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 7.4	x: 0.051 m η = 16.4	η = 2.3	x: 0.051 m η = 1.9	x: 0.051 m η = 4.0	η = 0.2	x: 0.936 m η = 0.8	x: 0.051 m η = 2.4	x: 0.051 m η = 4.6	x: 0.051 m η = 0.1	x: 0.051 m η = 0.2	x: 0.051 m η = 13.5	x: 0.936 m η = 21.4	x: 0.936 m η = 20.6	**CUMPLE η = 21.4**
N445/N444	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.893 m η = 8.4	x: 0 m η = 16.3	η = 2.8	x: 0 m η = 1.5	x: 0.894 m η = 3.8	η = 0.3	x: 0 m η = 0.5	x: 0 m η = 2.0	x: 0 m η = 4.2	x: 0 m η < 0.1	x: 0 m η = 0.2	x: 0 m η = 14.0	x: 0 m η = 21.0	x: 0 m η = 20.2	**CUMPLE η = 21.0**
N446/N445	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.949 m η = 8.5	x: 0.052 m η = 16.4	x: 0.501 m η = 2.9	x: 0.052 m η = 2.3	x: 0.949 m η = 3.6	η = 0.4	x: 0.949 m η = 0.9	x: 0.052 m η = 3.0	x: 0.052 m η = 4.6	x: 0.052 m η = 0.1	x: 0.052 m η = 0.2	x: 0.052 m η = 13.8	x: 0.949 m η = 20.8	x: 0.949 m η = 20.3	**CUMPLE η = 20.8**
N447/N446	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.894 m η = 9.8	x: 0 m η = 15.6	x: 0.895 m η = 4.0	x: 0 m η = 1.5	x: 0 m η = 3.7	η = 0.4	x: 0 m η = 0.3	x: 0 m η = 2.0	x: 0 m η = 5.4	x: 0 m η < 0.1	x: 0 m η = 0.3	x: 0.448 m η = 14.4	x: 0 m η = 18.2	x: 0.895 m η = 18.0	**CUMPLE η = 18.2**
N448/N447	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.953 m η = 9.7	x: 0.054 m η = 15.5	x: 0.953 m η = 4.4	x: 0.054 m η = 2.8	x: 0.054 m η = 4.2	η = 0.3	x: 0.953 m η = 0.7	x: 0.054 m η = 3.7	x: 0.279 m η = 5.9	x: 0.054 m η = 0.1	x: 0.279 m η = 0.3	x: 0.953 m η = 13.5	x: 0.953 m η = 18.4	x: 0.953 m η = 17.8	**CUMPLE η = 18.4**
N449/N448	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.902 m η = 10.5	x: 0 m η = 13.8	η = 4.2	x: 0 m η = 1.9	x: 0 m η = 3.7	η = 0.2	x: 0 m η = 0.4	x: 0 m η = 2.6	x: 0 m η = 4.5	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 14.2	x: 0 m η = 17.5	x: 0 m η = 16.3	**CUMPLE η = 17.5**
N450/N449	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.914 m η = 10.5	x: 0.055 m η = 13.8	η = 3.9	x: 0.055 m η = 5.1	x: 0.055 m η = 3.7	η = 0.2	x: 0.914 m η = 1.3	x: 0.055 m η = 5.8	x: 0.055 m η = 4.7	x: 0.055 m η = 0.4	x: 0.055 m η = 0.2	x: 0.914 m η = 14.2	x: 0.914 m η = 17.9	x: 0.914 m η = 16.6	**CUMPLE η = 17.9**
N451/N450	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 9.7	x: 0.045 m η = 10.9	η = 3.2	x: 0.987 m η = 4.1	x: 0.045 m η = 3.6	η = 0.2	x: 0.045 m η = 0.7	x: 0.987 m η = 4.4	x: 0.045 m η = 4.4	x: 0.987 m η = 0.2	x: 0.045 m η = 0.2	x: 0.987 m η = 14.5	x: 0.045 m η = 13.4	x: 0.987 m η = 12.5	**CUMPLE η = 14.5**
N452/N451	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.993 m η = 9.5	x: 0.056 m η = 10.7	x: 0.29 m η = 3.0	x: 0.056 m η = 4.1	x: 0.056 m η = 4.0	η = 0.2	x: 0.993 m η = 0.8	x: 0.056 m η = 4.3	x: 0.056 m η = 4.9	x: 0.056 m η = 0.2	x: 0.056 m η = 0.2	x: 0.056 m η = 14.6	x: 0.056 m η = 14.7	x: 0.056 m η = 12.7	**CUMPLE η = 14.7**
N453/N452	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.28 m η = 7.4	x: 0.28 m η = 9.3	η = 2.9	x: 0.984 m η = 4.5	x: 0.045 m η = 3.6	η = 0.2	x: 0.045 m η = 0.9	x: 0.984 m η = 4.8	x: 0.045 m η = 4.1	x: 0.984 m η = 0.2	x: 0.045 m η = 0.2	x: 0.984 m η = 13.2	x: 0.045 m η = 12.9	x: 0.045 m η = 11.4	**CUMPLE η = 13.2**
N454/N453	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.291 m η = 7.6	x: 0.291 m η = 9.5	η = 3.1	x: 0.056 m η = 2.7	x: 0.997 m η = 3.7	η = 0.1	x: 0.996 m η = 0.4	x: 0.056 m η = 3.1	x: 0.997 m η = 4.0	x: 0.056 m η = 0.1	x: 0.996 m η = 0.2	x: 0.291 m η = 13.0	x: 0.056 m η = 13.4	x: 0.291 m η = 11.9	**CUMPLE η = 13.4**
N455/N454	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.28 m η = 4.7	x: 0.28 m η = 10.2	η = 3.3	x: 0.987 m η = 4.5	x: 0.987 m η = 3.1	η = 0.1	x: 0.045 m η = 1.0	x: 0.987 m η = 5.3	x: 0.045 m η = 3.4	x: 0.987 m η = 0.3	x: 0.045 m η = 0.1	x: 0.987 m η = 10.5	x: 0.987 m η = 16.2	x: 0.987 m η = 15.0	**CUMPLE η = 16.2**
N456/N455	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.759 m η = 4.6	x: 0.759 m η = 10.2	η = 3.3	x: 0.993 m η = 1.1	x: 0.993 m η = 2.8	η = 0.2	x: 0.056 m η = 0.2	x: 0.993 m η = 2.0	x: 0.056 m η = 3.5	x: 0.992 m η < 0.1	x: 0.056 m η = 0.1	x: 0.759 m η = 9.4	x: 0.993 m η = 13.0	x: 0.759 m η = 12.1	**CUMPLE η = 13.0**
N457/N456	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.98 m η = 3.8	x: 0.045 m η = 23.6	η = 3.3	x: 0.981 m η = 3.9	x: 0.981 m η = 2.0	η = 0.3	x: 0.045 m η = 1.1	x: 0.981 m η = 4.9	x: 0.045 m η = 3.0	x: 0.981 m η = 0.3	x: 0.045 m η = 0.1	x: 0.981 m η = 5.9	x: 0.981 m η = 29.7	x: 0.981 m η = 28.4	**CUMPLE η = 29.7**
N458/N457	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.994 m η = 3.8	x: 0.057 m η = 23.8	η = 3.3	x: 0.057 m η = 3.1	x: 0.057 m η = 3.6	η = 0.5	x: 0.057 m η = 0.9	x: 0.057 m η = 4.1	x: 0.057 m η = 4.3	x: 0.057 m η = 0.2	x: 0.057 m η = 0.2	x: 0.057 m η = 7.9	x: 0.057 m η = 30.1	x: 0.057 m η = 27.9	**CUMPLE η = 30.1**
N459/N458	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.978 m η = 8.6	x: 0.045 m η = 45.8	η = 3.3	x: 0.979 m η = 2.4	x: 0.045 m η = 9.4	η = 1.2	x: 0.045 m η = 0.6	x: 0.979 m η = 3.3	x: 0.045 m η = 10.0	x: 0.979 m η = 0.1	x: 0.045 m η = 1.0	x: 0.979 m η = 10.0	x: 0.979 m η = 50.7	x: 0.979 m η = 48.9	**CUMPLE η = 50.7**
N405/N461	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.066 m η = 0.6	x: 0.138 m η = 3.5	x: 0.834 m η = 2.4	x: 0.138 m η = 7.9	x: 0.138 m η = 8.0	x: 0.834 m η = 0.7	x: 1.066 m η = 2.2	x: 0.138 m η = 8.2	x: 0.138 m η = 9.1	x: 0.138 m η = 0.7	x: 0.138 m η = 0.8	x: 0.138 m η = 5.1	x: 0.138 m η = 14.1	x: 0.138 m η = 13.7	**CUMPLE η = 14.1**
N462/N405	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.661 m η < 0.1	x: 0.085 m η = 0.1	η = 7.2	x: 0.662 m η = 2.4	x: 0.662 m η = 5.5	η = 1.9	x: 0.662 m η = 0.8	x: 0.085 m η = 3.4	x: 0.662 m η = 8.5	x: 0.085 m η = 0.1	x: 0.662 m η = 0.8	x: 0.662 m η = 14.1	x: 0.662 m η = 11.7	x: 0.085 m η = 8.7	**CUMPLE η = 14.1**
N462/N463	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.841 m η = 0.3	x: 0.085 m η = 0.2	η = 1.6	x: 0.085 m η = 6.3	x: 0.842 m η = 0.8	η = 0.3	η = 1.9	x: 0.085 m η = 6.3	x: 0.842 m η = 1.5	x: 0.085 m η = 0.4	x: 0.841 m η < 0.1	x: 0.842 m η = 9.2	x: 0.085 m η = 6.8	x: 0.085 m η = 7.9	**CUMPLE η = 9.2**
N463/N464	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.767 m η = 4.4	x: 0.199 m η = 3.0	x: 0.199 m η = 1.7	x: 0.768 m η = 3.4	x: 0.768 m η = 9.1	η = 2.6	x: 0.2 m η = 1.3	x: 0.768 m η = 3.8	x: 0.768 m η = 9.6	x: 0.768 m η = 0.2	x: 0.768 m η = 1.0	x: 0.768 m η = 17.4	x: 0.768 m η = 14.1	x: 0.768 m η = 14.6	**CUMPLE η = 17.4**
N464/N465	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.988 m η = 4.9	x: 0.059 m η = 3.5	η = 2.9	x: 0.059 m η = 4.6	x: 0.059 m η = 16.5	x: 0.988 m η = 4.1	x: 0.989 m η = 1.3	x: 0.059 m η = 5.9	x: 0.059 m η = 17.7	x: 0.059 m η = 0.4	x: 0.059 m η = 3.3	x: 0.059 m η = 29.2	x: 0.059 m η = 22.7	x: 0.059 m η = 24.3	**CUMPLE η = 29.2**
N465/N466	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.847 m η = 15.3	x: 0.062 m η = 4.0	η = 3.5	x: 0.847 m η = 5.3	x: 0.062 m η = 15.8	η = 2.4	x: 0.847 m η = 1.5	x: 0.847 m η = 6.0	x: 0.062 m η = 16.9	x: 0.847 m η = 0.4	x: 0.062 m η = 2.9	x: 0.062 m η = 32.0	x: 0.062 m η = 18.7	x: 0.062 m η = 27.2	**CUMPLE η = 32.0**
N466/N467	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.935 m η = 15.4	x: 0 m η = 4.0	x: 0.702 m η = 2.4	x: 0 m η = 4.3	x: 0.936 m η = 6.7	x: 0.702 m η = 2.6	x: 0 m η = 1.0	x: 0 m η = 4.6	x: 0.936 m η = 7.3	x: 0 m η = 0.2	x: 0.936 m η = 0.6	x: 0 m η = 21.9	x: 0.936 m η = 8.8	x: 0 m η = 20.8	**CUMPLE η = 21.9**
N467/N468	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.955 m η = 20.2	x: 0.062 m η = 4.8	η = 2.9	x: 0.956 m η = 13.4	x: 0.062 m η = 19.8	x: 0.285 m η = 2.8	x: 0.956 m η = 3.4	x: 0.956 m η = 14.5	x: 0.062 m η = 20.4	x: 0.956 m η = 2.2	x: 0.062 m η = 4.2	x: 0.956 m η = 39.8	x: 0.062 m η = 21.5	x: 0.956 m η = 37.0	**CUMPLE η = 39.8**
N468/N469	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.935 m η = 20.1	x: 0 m η = 4.8	η = 2.3	x: 0 m η = 15.2	x: 0.936 m η = 12.0	x: 0.468 m η = 3.6	x: 0 m η = 2.9	x: 0 m η = 16.1	x: 0.936 m η = 12.9	x: 0 m η = 2.7	x: 0.936 m η = 1.8	x: 0 m η = 41.8	x: 0.936 m η = 13.9	x: 0 m η = 39.1	**CUMPLE η = 41.8**
N469/N470	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.956 m η = 1.4	x: 0.063 m η = 3.6	η = 3.2	x: 0.063 m η = 5.1	x: 0.063 m η = 24.4	x: 0.956 m η = 4.1	x: 0.063 m η = 1.7	x: 0.063 m η = 6.5	x: 0.063 m η = 24.9	x: 0.063 m η = 0.4	x: 0.063 m η = 6.4	x: 0.063 m η = 33.4	x: 0.063 m η = 28.7	x: 0.063 m η = 33.3	**CUMPLE η = 33.4**
N470/N471	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0 m η = 1.5	x: 0 m η = 3.8	η = 3.2	x: 0.934 m η = 0.7	x: 0.934 m η = 17.6	x: 0.234 m η = 4.4	x: 0.934 m η = 0.2	x: 0.234 m η = 1.6	x: 0.934 m η = 19.1	x: 0.234 m η < 0.1	x: 0.934 m η = 3.8	x: 0.934 m η = 23.8	x: 0.934 m η = 23.3	x: 0.934 m η = 24.8	**CUMPLE η = 24.8**
N471/N472	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.951 m η = 5.3	x: 0.064 m η = 21.2	η = 3.8	x: 0.952 m η = 4.3	x: 0.064 m η = 23.5	η = 4.4	x: 0.064 m η = 1.6	x: 0.952 m η = 6.0	x: 0.064 m η = 23.7	x: 0.952 m η = 0.4	x: 0.064 m η = 5.8	x: 0.952 m η = 8.1	x: 0.064 m η = 33.8	x: 0.064 m η = 36.2	**CUMPLE η = 36.2**
N472/N473	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 5.3	x: 0 m η = 21.4	η = 3.9	x: 0 m η = 2.5	x: 0.938 m η = 20.7	η = 4.4	x: 0.937 m η = 0.5	x: 0 m η = 4.2	x: 0.938 m η = 21.4	x: 0 m η = 0.2	x: 0.938 m η = 4.8	x: 0.938 m η = 7.9	x: 0.938 m η = 29.3	x: 0.938 m η = 33.5	**CUMPLE η = 33.5**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N473/N474	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.006 m η = 7.8	x: 0.066 m η = 31.9	η = 4.2	x: 1.006 m η = 4.8	x: 0.066 m η = 20.4	η = 4.1	x: 0.066 m η = 1.2	x: 1.006 m η = 5.9	x: 0.066 m η = 21.1	x: 1.006 m η = 0.4	x: 0.066 m η = 4.6	x: 1.006 m η = 10.6	x: 1.006 m η = 39.6	x: 1.006 m η = 37.9	**CUMPLE** **η = 39.6**
N474/N475	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 7.9	x: 0 m η = 32.0	η = 4.2	x: 0 m η = 3.9	x: 0.928 m η = 20.3	η = 4.1	x: 0.927 m η = 0.8	x: 0 m η = 5.2	x: 0.928 m η = 20.9	x: 0 m η = 0.3	x: 0.928 m η = 4.5	x: 0 m η = 10.5	x: 0 m η = 38.8	x: 0.928 m η = 37.6	**CUMPLE** **η = 38.8**
N475/N476	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.004 m η = 8.9	x: 0.067 m η = 36.1	η = 4.6	x: 1.004 m η = 4.8	x: 0.067 m η = 18.6	x: 0.77 m η = 3.8	x: 0.067 m η = 1.0	x: 1.004 m η = 4.8	x: 0.067 m η = 20.2	x: 1.004 m η = 0.2	x: 0.067 m η = 4.2	x: 0.067 m η = 11.1	x: 1.004 m η = 41.5	x: 1.004 m η = 42.0	**CUMPLE** **η = 42.0**
N476/N477	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 8.9	x: 0 m η = 36.0	η = 4.6	x: 0 m η = 4.6	x: 0.928 m η = 19.1	x: 0.232 m η = 3.8	x: 0.927 m η = 0.9	x: 0 m η = 4.7	x: 0.928 m η = 20.7	x: 0 m η = 0.2	x: 0.928 m η = 4.4	x: 0.928 m η = 11.1	x: 0 m η = 41.3	x: 0 m η = 41.8	**CUMPLE** **η = 41.8**
N477/N478	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.007 m η = 8.4	x: 0.069 m η = 34.1	x: 0.303 m η = 5.8	x: 1.007 m η = 4.0	x: 0.069 m η = 17.0	x: 0.772 m η = 3.6	x: 0.069 m η = 0.9	x: 1.007 m η = 5.2	x: 0.069 m η = 19.2	x: 1.007 m η = 0.3	x: 0.069 m η = 3.8	x: 0.069 m η = 11.1	x: 1.007 m η = 40.9	x: 1.007 m η = 39.0	**CUMPLE** **η = 40.9**
N478/N479	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.922 m η = 8.4	x: 0 m η = 34.0	x: 0.231 m η = 5.6	x: 0 m η = 4.4	x: 0.923 m η = 16.7	x: 0.231 m η = 3.3	x: 0.922 m η = 0.7	x: 0 m η = 5.5	x: 0.923 m η = 18.9	x: 0 m η = 0.3	x: 0.923 m η = 3.7	x: 0.923 m η = 11.5	x: 0 m η = 41.2	x: 0 m η = 39.5	**CUMPLE** **η = 41.2**
N479/N480	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 7.0	x: 0.07 m η = 28.2	η = 4.2	x: 0.07 m η = 2.4	x: 0.07 m η = 16.6	x: 0.512 m η = 3.1	x: 0.954 m η = 0.5	x: 0.07 m η = 3.4	x: 0.07 m η = 17.8	x: 0.07 m η = 0.1	x: 0.07 m η = 3.3	x: 0.291 m η = 16.3	x: 0.07 m η = 32.3	x: 0.07 m η = 32.5	**CUMPLE** **η = 32.5**
N480/N481	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 7.0	x: 0 m η = 28.0	η = 3.8	x: 0.932 m η = 2.2	x: 0.932 m η = 14.3	η = 2.9	x: 0 m η = 0.5	x: 0.932 m η = 3.2	x: 0.932 m η = 15.8	x: 0.932 m η = 0.1	x: 0.932 m η = 2.6	x: 0.932 m η = 21.1	x: 0.932 m η = 33.0	x: 0.932 m η = 30.7	**CUMPLE** **η = 33.0**
N481/N482	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 5.7	x: 0.069 m η = 23.0	x: 0.954 m η = 8.9	x: 0.069 m η = 2.7	x: 0.069 m η = 11.2	x: 0.733 m η = 2.7	x: 0.954 m η = 0.7	x: 0.069 m η = 4.6	x: 0.069 m η = 14.5	x: 0.069 m η = 0.2	x: 0.069 m η = 2.2	x: 0.069 m η = 22.3	x: 0.069 m η = 30.5	x: 0.069 m η = 26.4	**CUMPLE** **η = 30.5**
N482/N483	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 5.7	x: 0 m η = 22.9	η = 8.2	x: 0.934 m η = 1.8	x: 0.934 m η = 15.9	η = 2.6	x: 0.933 m η = 0.4	x: 0.934 m η = 3.9	x: 0.934 m η = 19.3	x: 0.933 m η = 0.2	x: 0.934 m η = 3.8	x: 0.934 m η = 28.0	x: 0.934 m η = 32.2	x: 0.934 m η = 30.6	**CUMPLE** **η = 32.2**
N483/N484	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 4.6	x: 0.065 m η = 19.2	η = 3.0	x: 0.065 m η = 1.5	x: 0.065 m η = 12.3	x: 0.51 m η = 2.7	x: 0.065 m η = 0.3	x: 0.065 m η = 2.4	x: 0.065 m η = 13.2	x: 0.065 m η = 0.1	x: 0.065 m η = 1.8	x: 0.065 m η = 20.3	x: 0.065 m η = 25.5	x: 0.065 m η = 26.2	**CUMPLE** **η = 26.2**
N484/N485	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 4.6	x: 0 m η = 19.1	η = 3.7	x: 0.938 m η = 1.7	x: 0.938 m η = 14.0	η = 2.6	x: 0.937 m η = 0.4	x: 0.938 m η = 2.3	x: 0.938 m η = 15.3	x: 0.937 m η = 0.1	x: 0.938 m η = 2.4	x: 0.938 m η = 22.4	x: 0.938 m η = 27.4	x: 0.938 m η = 28.4	**CUMPLE** **η = 28.4**
N485/N486	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.952 m η = 3.8	x: 0.064 m η = 16.6	η = 3.2	x: 0.064 m η = 1.3	x: 0.064 m η = 11.8	x: 0.731 m η = 2.8	x: 0.064 m η = 0.3	x: 0.064 m η = 2.2	x: 0.064 m η = 12.1	x: 0.064 m η < 0.1	x: 0.064 m η = 1.5	x: 0.064 m η = 18.5	x: 0.064 m η = 23.3	x: 0.064 m η = 25.2	**CUMPLE** **η = 25.2**
N486/N487	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 3.8	x: 0 m η = 16.6	η = 2.9	x: 0.937 m η = 1.6	x: 0.937 m η = 14.4	η = 2.6	x: 0.937 m η = 0.3	x: 0.937 m η = 2.7	x: 0.937 m η = 15.0	x: 0.936 m η = 0.1	x: 0.937 m η = 2.3	x: 0.937 m η = 22.1	x: 0.937 m η = 26.0	x: 0.937 m η = 28.4	**CUMPLE** **η = 28.4**
N487/N488	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 3.2	x: 0.062 m η = 14.8	η = 3.6	x: 0.062 m η = 1.1	x: 0.062 m η = 8.9	x: 0.508 m η = 2.4	x: 0.062 m η = 0.3	x: 0.062 m η = 2.2	x: 0.062 m η = 9.2	x: 0.062 m η < 0.1	x: 0.062 m η = 0.9	x: 0.062 m η = 15.7	x: 0.062 m η = 20.5	x: 0.062 m η = 21.6	**CUMPLE** **η = 21.6**
N488/N489	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 3.2	x: 0 m η = 14.8	η = 3.3	x: 0.938 m η = 1.5	x: 0.938 m η = 13.3	η = 2.1	x: 0.938 m η = 0.3	x: 0.938 m η = 2.9	x: 0.938 m η = 13.3	x: 0.937 m η = 0.1	x: 0.938 m η = 1.8	x: 0.938 m η = 19.9	x: 0.938 m η = 23.7	x: 0.938 m η = 27.0	**CUMPLE** **η = 27.0**
N489/N490	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.732 m η = 3.4	x: 0.061 m η = 13.7	η = 3.9	x: 0.061 m η = 1.1	x: 0.061 m η = 8.9	x: 0.285 m η = 1.9	x: 0.061 m η = 0.3	x: 0.061 m η = 2.3	x: 0.061 m η = 10.5	x: 0.061 m η = 0.1	x: 0.061 m η = 1.1	x: 0.061 m η = 16.6	x: 0.061 m η = 20.4	x: 0.061 m η = 19.3	**CUMPLE** **η = 20.4**
N490/N491	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.268 m η = 3.1	x: 0.045 m η = 13.7	η = 3.7	x: 0.939 m η = 1.1	x: 0.939 m η = 11.7	η = 1.7	x: 0.939 m η = 0.2	x: 0.939 m η = 2.7	x: 0.939 m η = 12.3	x: 0.938 m η = 0.1	x: 0.939 m η = 1.5	x: 0.939 m η = 19.7	x: 0.939 m η = 23.5	x: 0.939 m η = 24.9	**CUMPLE** **η = 24.9**
N491/N492	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.508 m η = 3.2	x: 0.061 m η = 13.2	η = 4.1	x: 0.061 m η = 1.0	x: 0.061 m η = 9.3	η = 1.7	x: 0.061 m η = 0.2	x: 0.061 m η = 2.3	x: 0.061 m η = 10.6	x: 0.061 m η = 0.1	x: 0.061 m η = 1.2	x: 0.061 m η = 15.6	x: 0.061 m η = 19.2	x: 0.061 m η = 18.8	**CUMPLE** **η = 19.2**
N492/N493	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 3.1	x: 0.045 m η = 13.2	η = 3.3	x: 0.939 m η = 0.8	x: 0.939 m η = 9.5	η = 1.7	x: 0.939 m η = 0.2	x: 0.939 m η = 2.1	x: 0.939 m η = 10.7	x: 0.938 m η < 0.1	x: 0.939 m η = 1.2	x: 0.939 m η = 18.6	x: 0.939 m η = 22.6	x: 0.939 m η = 22.2	**CUMPLE** **η = 22.6**
N493/N494	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.189 m η = 2.5	x: 0.061 m η = 13.1	η = 6.3	x: 0.061 m η = 1.1	x: 0.061 m η = 9.4	x: 0.437 m η = 1.5	x: 0.061 m η = 0.3	x: 0.061 m η = 3.2	x: 0.061 m η = 10.4	x: 0.061 m η = 0.1	x: 0.061 m η = 1.1	x: 0.061 m η = 16.6	x: 0.061 m η = 21.0	x: 0.061 m η = 17.6	**CUMPLE** **η = 21.0**
N495/N494	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.249 m η = 2.8	x: 0.061 m η = 13.1	x: 0.249 m η = 3.7	x: 0.061 m η = 1.0	x: 0.061 m η = 10.5	η = 1.6	x: 0.061 m η = 0.2	x: 0.061 m η = 2.4	x: 0.061 m η = 11.6	x: 0.061 m η = 0.1	x: 0.061 m η = 1.4	x: 0.249 m η = 13.2	x: 0.061 m η = 19.2	x: 0.061 m η = 19.2	**CUMPLE** **η = 19.2**
N496/N495	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.2	x: 0.058 m η = 13.4	x: 0.719 m η = 11.5	x: 0.058 m η = 1.8	x: 0.939 m η = 6.5	η = 1.3	x: 0.939 m η = 0.6	x: 0.058 m η = 6.1	x: 0.939 m η = 11.4	x: 0.058 m η = 0.4	x: 0.939 m η = 1.3	x: 0.939 m η = 23.4	x: 0.939 m η = 26.1	x: 0.939 m η = 17.8	**CUMPLE** **η = 26.1**
N497/N496	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.281 m η = 2.4	x: 0.061 m η = 13.4	x: 0.722 m η = 10.8	x: 0.942 m η = 2.0	x: 0.061 m η = 9.3	η = 2.6	x: 0.062 m η = 0.6	x: 0.942 m η = 5.9	x: 0.061 m η = 11.3	x: 0.942 m η = 0.4	x: 0.061 m η = 1.3	x: 0.942 m η = 21.2	x: 0.061 m η = 24.1	x: 0.061 m η = 17.1	**CUMPLE** **η = 24.1**
N498/N497	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.938 m η = 2.5	x: 0.045 m η = 13.8	x: 0.938 m η = 4.9	x: 0.939 m η = 1.2	x: 0.939 m η = 12.1	η = 1.5	x: 0.939 m η = 0.3	x: 0.939 m η = 3.4	x: 0.939 m η = 13.0	x: 0.939 m η = 0.1	x: 0.939 m η = 1.7	x: 0.939 m η = 20.8	x: 0.939 m η = 24.1	x: 0.939 m η = 25.0	**CUMPLE** **η = 25.0**
N499/N498	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 2.9	x: 0.061 m η = 13.8	η = 5.9	x: 0.061 m η = 0.8	x: 0.061 m η = 8.2	η = 1.7	x: 0.061 m η = 0.3	x: 0.061 m η = 3.0	x: 0.061 m η = 10.6	x: 0.061 m η = 0.1	x: 0.061 m η = 1.1	x: 0.955 m η = 15.1	x: 0.955 m η = 20.1	x: 0.955 m η = 17.0	**CUMPLE** **η = 20.1**
N500/N499	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 2.9	x: 0 m η = 14.8	x: 0.938 m η = 4.6	x: 0.938 m η = 1.0	x: 0.938 m η = 14.5	η = 2.2	x: 0.938 m η = 0.3	x: 0.938 m η = 3.0	x: 0.938 m η = 15.1	x: 0.937 m η = 0.1	x: 0.938 m η = 2.3	x: 0.938 m η = 22.2	x: 0.938 m η = 25.7	x: 0.938 m η = 28.2	**CUMPLE** **η = 28.2**
N501/N500	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 2.9	x: 0.062 m η = 14.8	η = 5.2	x: 0.062 m η = 1.0	x: 0.062 m η = 9.2	η = 2.2	x: 0.062 m η = 0.3	x: 0.062 m η = 2.8	x: 0.062 m η = 9.8	x: 0.062 m η = 0.1	x: 0.062 m η = 1.0	x: 0.062 m η = 16.1	x: 0.062 m η = 21.1	x: 0.062 m η = 20.4	**CUMPLE** **η = 21.1**
N502/N501	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.936 m η = 4.0	x: 0 m η = 16.3	η = 3.9	x: 0.937 m η = 1.1	x: 0.937 m η = 14.8	η = 2.6	x: 0.937 m η = 0.3	x: 0.937 m η = 2.6	x: 0.937 m η = 14.9	x: 0.936 m η = 0.1	x: 0.937 m η = 2.3	x: 0.937 m η = 20.8	x: 0.937 m η = 25.2	x: 0.937 m η = 28.7	**CUMPLE** **η = 28.7**
N503/N502	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.731 m η = 4.0	x: 0.064 m η = 16.3	η = 4.3	x: 0.064 m η = 1.3	x: 0.064 m η = 12.2	x: 0.286 m η = 2.7	x: 0.064 m η = 0.3	x: 0.064 m η = 2.7	x: 0.064 m η = 12.6	x: 0.064 m η = 0.1	x: 0.064 m η = 1.7	x: 0.064 m η = 18.4	x: 0.064 m η = 23.3	x: 0.064 m η = 25.2	**CUMPLE** **η = 25.2**
N504/N503	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.937 m η = 6.6	x: 0 m η = 18.6	η = 3.2	x: 0 m η = 2.2	x: 0.938 m η = 14.0	η = 2.6	x: 0.937 m η = 0.5	x: 0 m η = 2.9	x: 0.938 m η = 14.6	x: 0 m η = 0.1	x: 0.938 m η = 2.2	x: 0.938 m η = 20.4	x: 0.938 m η = 26.3	x: 0.938 m η = 28.1	**CUMPLE** **η = 28.1**
N505/N504	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 6.5	x: 0.065 m η = 18.7	η = 3.6	x: 0.065 m η = 2.3	x: 0.065 m η = 13.3	x: 0.51 m η = 2.8	x: 0.065 m η = 0.3	x: 0.065 m η = 3.1	x: 0.065 m η = 13.7	x: 0.065 m η = 0.1	x: 0.065 m η = 2.0	x: 0.065 m η = 19.6	x: 0.065 m η = 25.1	x: 0.065 m η = 27.2	**CUMPLE** **η = 27.2**
N506/N505	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 6.3	x: 0 m η = 22.1	η = 4.5	x: 0.934 m η = 2.3	x: 0.934 m η = 14.1	η = 2.7	x: 0.933 m η = 0.6	x: 0.934 m η = 2.6	x: 0.934 m η = 15.8	x: 0.934 m η = 0.1	x: 0.934 m η = 2.6	x: 0.934 m η = 20.7	x: 0.934 m η = 28.3	x: 0.934 m η = 28.8	**CUMPLE** **η = 28.8**
N507/N506	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 6.3	x: 0.069 m η = 22.3	η = 4.1	x: 0.069 m η = 3.6	x: 0.069 m η = 13.5	x: 0.29 m η = 2.8	x: 0.954 m η = 0.9	x: 0.069 m η = 4.3	x: 0.069 m η = 15.0	x: 0.069 m η = 0.2	x: 0.069 m η = 2.3	x: 0.069 m η = 18.2	x: 0.069 m η = 27.8	x: 0.069 m η = 27.9	**CUMPLE** **η = 27.9**
N508/N507	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.931 m η = 6.5	x: 0 m η = 27.2	η = 5.7	x: 0.932 m η = 3.6	x: 0.932 m η = 17.2	η = 3.2	x: 0 m η = 0.8	x: 0.932 m η = 4.1	x: 0.932 m η = 19.7	x: 0.932 m η = 0.2	x: 0.932 m η = 4.0	x: 0.932 m η = 27.2	x: 0.932 m η = 33.5	x: 0.932 m η = 34.1	**CUMPLE** **η = 34.1**
N509/N508	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 6.5	x: 0.07 m η = 27.4	η = 5.6	x: 0.07 m η = 2.9	x: 0.07 m η = 15.5	x: 0.734 m η = 3.4	x: 0.954 m η = 0.7	x: 0.07 m η = 3.6	x: 0.07 m η = 17.7	x: 0.07 m η = 0.1	x: 0.07 m η = 3.2	x: 0.07 m η = 24.2	x: 0.07 m η = 32.1	x: 0.07 m η = 31.3	**CUMPLE** **η = 32.1**
N510/N509	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.928 m η = 8.0	x: 0.045 m η = 33.3	η = 5.8	x: 0.045 m η = 4.5	x: 0.929 m η = 17.5	η = 3.4	x: 0.928 m η = 0.9	x: 0.045 m η = 5.5	x: 0.929 m η = 19.8	x: 0.045 m η = 0.3	x: 0.929 m η = 4.0	x: 0.929 m η = 10.4	x: 0.045 m η = 40.1	x: 0.045 m η = 38.9	**CUMPLE** **η = 40.1**
N511/N510	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.001 m η = 8.0	x: 0.069 m η = 33.3	x: 0.535 m η = 5.9	x: 1.001 m η = 4.1	x: 0.069 m η = 17.0	x: 0.535 m η = 3.6	x: 0.069 m η = 0.9	x: 1.001 m η = 5.1	x: 0.069 m η = 19.3	x: 1.001 m η = 0.3	x: 0.069 m η = 3.8	x: 1.001 m η = 9.7	x: 1.001 m η = 39.8	x: 1.001 m η = 38.4	**CUMPLE** **η = 39.8**
N512/N511	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.915 m η = 8.4	x: 0 m η = 35.4	η = 3.6	x: 0 m η = 4.6	x: 0.916 m η = 20.1	x: 0.229 m η = 3.9	x: 0.915 m η = 0.9	x: 0 m η = 4.9	x: 0.916 m η = 21.6	x: 0 m η = 0.2	x: 0.916 m η = 4.8	x: 0.916 m η = 9.9	x: 0 m η = 40.9	x: 0 m η = 41.2	**CUMPLE** **η = 41.2**
N513/N512	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.017 m η = 8.4	x: 0.067 m η = 35.5	η = 4.1	x: 1.017 m η = 4.8	x: 0.067 m η = 18.9	η = 3.9	x: 0.067 m η = 1.1	x: 1.017 m η = 5.2	x: 0.067 m η = 20.4	x: 1.017 m η = 0.3	x: 0.067 m η = 4.3	x: 1.017 m η = 10.0	x: 1.017 m η = 41.3	x: 1.017 m η = 41.4	**CUMPLE** **η = 41.4**
N514/N513	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.942 m η = 7.5	x: 0 m η = 31.5	η = 3.8	x: 0 m η = 4.0	x: 0.943 m η = 20.5	η = 4.1	x: 0.942 m η = 0.8	x: 0 m η = 4.4	x: 0.943 m η = 21.0	x: 0 m η = 0.2	x: 0.943 m η = 4.6	x: 0.943 m η = 9.3	x: 0 m η = 36.6	x: 0.943 m η = 37.8	**CUMPLE** **η = 37.8**
N515/N514	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.991 m η = 7.4	x: 0.066 m η = 31.4	η = 4.2	x: 0.991 m η = 4.8	x: 0.066 m η = 20.9	η = 4.1	x: 0.066 m η = 1.3	x: 0.991 m η = 5.2	x: 0.066 m η = 21.7	x: 0.991 m η = 0.3	x: 0.066 m η = 4.9	x: 0.991 m η = 9.2	x: 0.991 m η = 37.3	x: 0.066 m η = 37.7	**CUMPLE** **η = 37.7**
N516/N515	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.933 m η = 5.1	x: 0 m η = 21.1	η = 4.5	x: 0 m η = 2.5	x: 0.934 m η = 21.8	η = 4.5	x: 0.933 m η = 0.5	x: 0 m η = 3.4	x: 0.934 m η = 22.4	x: 0 m η = 0.1	x: 0.934 m η = 5.2	x: 0.934 m η = 7.0	x: 0.934 m η = 30.1	x: 0.934 m η = 34.8	**CUMPLE** **η = 34.8**
N517/N516	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.956 m η = 5.0	x: 0.064 m η = 20.9	η = 5.1	x: 0.957 m η = 4.3	x: 0.064 m η = 23.8	x: 0.733 m η = 4.5	x: 0.064 m η = 1.6	x: 0.957 m η = 5.1	x: 0.064 m η = 24.1	x: 0.957 m η = 0.3	x: 0.064 m η = 6.0	x: 0.064 m η = 7.1	x: 0.064 m η = 33.6	x: 0.064 m η = 36.7	**CUMPLE** **η = 36.7**
N518/N517	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.231 m η = 1.3	x: 0 m η = 3.7	η = 4.5	x: 0.923 m η = 0.8	x: 0.923 m η = 18.0	x: 0.231 m η = 4.5	x: 0.923 m η = 0.3	x: 0 m η = 2.3	x: 0.923 m η = 19.6	x: 0 m η = 0.1	x: 0.923 m η = 4.0	x: 0.923 m η = 25.1	x: 0.923 m η = 24.1	x: 0.923 m η = 25.1	**CUMPLE** **η = 25.1**
N519/N518	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.967 m η = 1.3	x: 0.063 m η = 3.5	η = 4.6	x: 0.063 m η = 5.3	x: 0.063 m η = 24.9	x: 0.967 m η = 4.2	x: 0.063 m η = 1.7	x: 0.063 m η = 6.1	x: 0.063 m η = 25.5	x: 0.063 m η = 0.4	x: 0.063 m η = 6.6	x: 0.063 m η = 33.5	x: 0.063 m η = 29.2	x: 0.063 m η = 33.8	**CUMPLE** **η = 33.8**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N520/N519	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.93 m η = 19.8	x: 0 m η = 4.6	η = 3.2	x: 0 m η = 14.9	x: 0.931 m η = 11.6	x: 0.465 m η = 3.7	x: 0 m η = 2.9	x: 0 m η = 15.5	x: 0.931 m η = 12.6	x: 0 m η = 2.5	x: 0.931 m η = 1.7	x: 0 m η = 40.3	x: 0.931 m η = 13.7	x: 0 m η = 38.5	**CUMPLE η = 40.3**
N521/N520	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.959 m η = 19.9	x: 0.062 m η = 4.7	η = 3.7	x: 0.96 m η = 13.2	x: 0.062 m η = 20.2	η = 2.8	x: 0.96 m η = 3.3	x: 0.96 m η = 14.0	x: 0.062 m η = 20.7	x: 0.96 m η = 2.1	x: 0.062 m η = 4.4	x: 0.96 m η = 38.5	x: 0.062 m η = 21.5	x: 0.96 m η = 36.4	**CUMPLE η = 38.5**
N522/N521	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.934 m η = 15.1	x: 0 m η = 3.8	x: 0.467 m η = 2.1	x: 0 m η = 4.2	x: 0.935 m η = 6.8	x: 0.701 m η = 2.6	x: 0 m η = 1.0	x: 0 m η = 4.3	x: 0.935 m η = 7.3	x: 0 m η = 0.2	x: 0.935 m η = 0.6	x: 0 m η = 21.0	x: 0.935 m η = 8.5	x: 0 m η = 20.3	**CUMPLE η = 21.0**
N523/N522	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.848 m η = 15.0	x: 0.062 m η = 3.8	η = 3.3	x: 0.848 m η = 5.2	x: 0.062 m η = 15.9	η = 2.4	x: 0.848 m η = 1.5	x: 0.848 m η = 5.7	x: 0.062 m η = 16.9	x: 0.848 m η = 0.3	x: 0.062 m η = 2.9	x: 0.062 m η = 31.6	x: 0.062 m η = 18.5	x: 0.062 m η = 27.0	**CUMPLE η = 31.6**
N524/N523	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.772 m η = 4.7	x: 0.772 m η = 3.3	η = 3.0	x: 0.059 m η = 4.4	x: 0.059 m η = 17.0	x: 1.008 m η = 4.4	x: 1.009 m η = 1.2	x: 0.059 m η = 5.5	x: 0.059 m η = 18.1	x: 0.059 m η = 0.3	x: 0.059 m η = 3.5	x: 0.059 m η = 29.2	x: 0.059 m η = 22.9	x: 0.059 m η = 24.6	**CUMPLE η = 29.2**
N525/N524	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.765 m η = 4.6	x: 0.2 m η = 3.3	x: 0.2 m η = 1.9	x: 0.766 m η = 3.8	x: 0.766 m η = 9.6	η = 2.8	x: 0.2 m η = 1.4	x: 0.766 m η = 4.0	x: 0.766 m η = 10.1	x: 0.766 m η = 0.2	x: 0.766 m η = 1.1	x: 0.766 m η = 17.7	x: 0.766 m η = 14.4	x: 0.766 m η = 15.1	**CUMPLE η = 17.7**
N406/N525	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.863 m η = 0.3	x: 0.085 m η = 0.3	η = 1.5	x: 0.085 m η = 6.5	x: 0.085 m η = 0.9	η = 0.3	η = 1.9	x: 0.085 m η = 6.6	x: 0.864 m η = 1.6	x: 0.085 m η = 0.5	x: 0.863 m η < 0.1	x: 0.864 m η = 9.4	x: 0.085 m η = 6.9	x: 0.085 m η = 8.2	**CUMPLE η = 9.4**
N400/N525	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.074 m η = 0.4	x: 0.201 m η = 3.0	η = 2.0	x: 0.201 m η = 1.9	x: 0.201 m η = 17.6	η = 3.1	x: 1.074 m η = 0.4	x: 0.201 m η = 2.0	x: 0.201 m η = 18.5	x: 0.201 m η < 0.1	x: 0.201 m η = 3.5	x: 1.075 m η = 3.0	x: 0.201 m η = 20.7	x: 0.201 m η = 23.2	**CUMPLE η = 23.2**
N400/N523	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.459 m η = 20.6	x: 0.206 m η = 8.0	η = 3.2	x: 0.206 m η = 2.2	x: 1.46 m η = 5.3	η = 0.6	x: 0.206 m η = 0.3	x: 0.206 m η = 2.2	x: 1.46 m η = 6.4	x: 0.206 m η = 0.1	x: 1.46 m η = 0.4	x: 1.46 m η = 30.9	x: 1.46 m η = 10.5	x: 1.46 m η = 27.5	**CUMPLE η = 30.9**
N410/N519	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.489 m η = 47.1	x: 0.11 m η = 13.8	η = 5.4	x: 0.11 m η = 5.7	x: 0.11 m η = 3.4	η = 0.2	x: 0.11 m η = 0.8	x: 0.11 m η = 5.8	x: 0.11 m η = 5.0	x: 0.11 m η = 0.3	x: 0.11 m η = 0.2	x: 1.49 m η = 56.7	x: 1.49 m η = 16.9	x: 1.49 m η = 54.2	**CUMPLE η = 56.7**
N410/N517	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.53 m η = 10.2	x: 0.108 m η = 57.8	η = 0.6	x: 1.531 m η = 7.7	x: 1.531 m η = 12.7	η = 1.0	x: 1.53 m η = 1.0	x: 1.531 m η = 7.8	x: 1.531 m η = 12.9	x: 1.531 m η = 0.6	x: 1.531 m η = 1.7	x: 0.108 m η = 13.7	x: 1.531 m η = 70.3	x: 1.531 m η = 67.7	**CUMPLE η = 70.3**
N412/N517	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.535 m η = 30.4	x: 0.108 m η = 9.0	η = 3.7	x: 1.536 m η = 3.6	x: 1.536 m η = 5.1	x: 1 m η = 0.5	x: 0.108 m η = 0.5	x: 1.536 m η = 3.8	x: 1.536 m η = 6.4	x: 1.536 m η = 0.1	x: 1.536 m η = 0.4	x: 1.536 m η = 37.6	x: 1.536 m η = 11.1	x: 1.536 m η = 35.4	**CUMPLE η = 37.6**
N412/N515	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.56 m η = 6.9	x: 0.107 m η = 39.2	η = 0.9	x: 0.107 m η = 5.5	x: 1.561 m η = 9.6	x: 0.108 m η = 0.8	x: 1.56 m η = 0.7	x: 0.107 m η = 5.6	x: 1.561 m η = 9.7	x: 0.107 m η = 0.3	x: 1.561 m η = 0.9	x: 0.107 m η = 9.2	x: 1.561 m η = 48.0	x: 1.561 m η = 46.2	**CUMPLE η = 48.0**
N414/N515	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.562 m η = 16.5	x: 0.107 m η = 4.7	x: 1.199 m η = 3.0	x: 1.563 m η = 1.9	x: 1.563 m η = 5.3	x: 1.199 m η = 0.6	x: 0.107 m η = 0.3	x: 1.563 m η = 2.2	x: 0.107 m η = 6.2	x: 1.562 m η < 0.1	x: 0.107 m η = 0.4	x: 1.563 m η = 20.0	x: 1.563 m η = 7.6	x: 1.563 m η = 18.9	**CUMPLE η = 20.0**
N414/N513	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.571 m η = 3.8	x: 0.107 m η = 21.7	η = 1.1	x: 0.107 m η = 3.9	x: 1.572 m η = 7.4	x: 0.107 m η = 0.6	x: 1.571 m η = 0.5	x: 0.107 m η = 4.1	x: 1.572 m η = 7.4	x: 0.107 m η = 0.2	x: 1.572 m η = 0.6	x: 0.107 m η = 5.7	x: 1.572 m η = 27.4	x: 0.107 m η = 26.7	**CUMPLE η = 27.4**
N416/N513	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.571 m η = 7.5	x: 0.473 m η = 7.6	x: 1.571 m η = 2.2	x: 1.572 m η = 1.8	x: 1.572 m η = 6.9	x: 1.571 m η = 0.6	x: 1.571 m η = 0.3	x: 1.572 m η = 1.8	x: 1.572 m η = 6.9	x: 1.572 m η < 0.1	x: 1.572 m η = 0.5	x: 1.572 m η = 15.8	x: 1.572 m η = 14.2	x: 1.572 m η = 14.4	**CUMPLE η = 15.8**
N416/N511	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.565 m η = 6.0	x: 0.107 m η = 10.2	η = 0.9	x: 0.107 m η = 2.1	x: 1.566 m η = 4.9	x: 0.472 m η = 0.5	x: 1.565 m η = 0.2	x: 0.107 m η = 2.4	x: 1.566 m η = 5.0	x: 0.107 m η = 0.1	x: 1.566 m η = 0.3	x: 0.107 m η = 9.7	x: 0.107 m η = 14.0	x: 0.107 m η = 13.4	**CUMPLE η = 14.0**
N418/N511	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.563 m η = 5.4	x: 0.107 m η = 13.3	η = 1.5	x: 0.107 m η = 3.0	x: 0.107 m η = 5.3	x: 0.107 m η = 0.4	x: 1.563 m η = 0.4	x: 0.107 m η = 3.2	x: 0.107 m η = 5.9	x: 0.107 m η = 0.1	x: 0.107 m η = 0.3	x: 1.564 m η = 10.2	x: 1.564 m η = 19.4	x: 1.564 m η = 18.3	**CUMPLE η = 19.4**
N418/N509	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.539 m η = 8.2	x: 0.105 m η = 4.2	η = 1.0	x: 1.54 m η = 1.7	x: 0.105 m η = 3.5	η = 0.4	x: 0.105 m η = 0.1	x: 1.54 m η = 2.0	x: 0.105 m η = 3.8	x: 1.539 m η < 0.1	x: 0.105 m η = 0.1	x: 1.54 m η = 12.1	x: 1.54 m η = 6.6	x: 1.54 m η = 10.6	**CUMPLE η = 12.1**
N420/N509	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.551 m η = 5.0	x: 0.105 m η = 20.3	η = 1.3	x: 1.552 m η = 4.1	x: 0.105 m η = 3.8	η = 0.3	x: 1.551 m η = 0.6	x: 1.552 m η = 4.2	x: 1.552 m η = 3.9	x: 1.552 m η = 0.2	x: 1.552 m η = 0.1	x: 0.105 m η = 6.8	x: 1.552 m η = 27.2	x: 1.552 m η = 26.0	**CUMPLE η = 27.2**
N420/N507	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.648 m η = 7.5	x: 0.102 m η = 3.8	η = 1.4	x: 1.649 m η = 1.2	x: 0.102 m η = 4.3	η = 0.3	x: 0.102 m η = 0.1	x: 1.649 m η = 1.6	x: 0.102 m η = 4.9	x: 1.648 m η < 0.1	x: 0.102 m η = 0.2	x: 0.102 m η = 11.9	x: 0.102 m η = 6.1	x: 1.649 m η = 10.2	**CUMPLE η = 11.9**
N422/N507	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.654 m η = 4.8	x: 0.102 m η = 18.8	η = 1.7	x: 1.655 m η = 3.3	x: 1.655 m η = 3.6	η = 0.2	x: 1.654 m η = 0.5	x: 1.655 m η = 3.6	x: 1.655 m η = 4.1	x: 1.655 m η = 0.1	x: 1.655 m η = 0.2	x: 0.102 m η = 6.5	x: 1.655 m η = 23.7	x: 1.655 m η = 23.0	**CUMPLE η = 23.7**
N422/N505	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.797 m η = 6.8	x: 0.099 m η = 3.9	η = 1.8	x: 1.798 m η = 0.8	x: 1.798 m η = 3.8	η = 0.2	x: 0.099 m η = 0.1	x: 1.798 m η = 1.5	x: 1.586 m η = 4.4	x: 1.797 m η < 0.1	x: 1.586 m η = 0.2	x: 0.099 m η = 10.8	x: 0.099 m η = 5.5	x: 1.798 m η = 9.6	**CUMPLE η = 10.8**
N424/N505	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.804 m η = 3.6	x: 0.098 m η = 12.7	η = 1.5	x: 1.805 m η = 2.5	x: 1.805 m η = 5.0	η = 0.2	x: 1.804 m η = 0.3	x: 1.805 m η = 2.7	x: 1.805 m η = 5.4	x: 1.805 m η = 0.1	x: 1.805 m η = 0.3	x: 1.805 m η = 7.0	x: 1.805 m η = 16.6	x: 1.805 m η = 15.9	**CUMPLE η = 16.6**
N424/N503	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.903 m η = 9.9	x: 0.097 m η = 11.8	η = 2.4	x: 1.904 m η = 1.6	x: 1.904 m η = 3.9	η = 0.1	x: 0.097 m η = 0.2	x: 1.904 m η = 2.0	x: 1.904 m η = 4.8	x: 1.903 m η < 0.1	x: 1.903 m η = 0.2	x: 1.904 m η = 12.8	x: 1.904 m η = 15.0	x: 1.904 m η = 14.0	**CUMPLE η = 15.0**
N426/N503	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.364 m η = 7.7	x: 1.364 m η = 15.5	η = 1.3	x: 1.907 m η = 2.4	x: 1.907 m η = 7.1	η = 0.2	x: 1.906 m η = 0.3	x: 1.907 m η = 2.7	x: 1.907 m η = 7.3	x: 1.907 m η = 0.1	x: 1.907 m η = 0.5	x: 1.907 m η = 15.1	x: 1.907 m η = 21.8	x: 1.907 m η = 20.1	**CUMPLE η = 21.8**
N426/N501	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.987 m η = 9.1	x: 0.853 m η = 12.5	η = 3.4	x: 1.988 m η = 1.8	x: 1.988 m η = 4.0	η = 0.1	x: 1.987 m η = 0.2	x: 1.988 m η = 2.5	x: 1.988 m η = 5.4	x: 1.987 m η = 0.1	x: 1.988 m η = 0.3	x: 1.988 m η = 12.8	x: 1.988 m η = 15.3	x: 1.988 m η = 14.7	**CUMPLE η = 15.3**
N428/N501	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.986 m η = 7.5	x: 0.096 m η = 14.4	η = 1.6	x: 1.987 m η = 2.2	x: 1.987 m η = 9.7	η = 0.3	x: 1.986 m η = 0.3	x: 1.987 m η = 2.7	x: 1.987 m η = 9.9	x: 1.987 m η = 0.1	x: 1.987 m η = 1.0	x: 1.987 m η = 17.6	x: 1.987 m η = 21.9	x: 1.987 m η = 20.5	**CUMPLE η = 21.9**
N428/N499	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 2.046 m η = 8.1	x: 0.096 m η = 12.5	x: 0.291 m η = 5.0	x: 2.047 m η = 1.9	x: 2.047 m η = 6.8	x: 1.072 m η = 0.4	x: 2.046 m η = 0.2	x: 2.047 m η = 2.8	x: 2.047 m η = 8.9	x: 2.047 m η = 0.1	x: 2.047 m η = 0.8	x: 2.047 m η = 14.9	x: 0.096 m η = 16.0	x: 2.047 m η = 14.8	**CUMPLE η = 16.0**
N430/N499	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 2.086 m η = 7.6	x: 0.098 m η = 13.8	η = 1.6	x: 2.087 m η = 2.1	x: 2.087 m η = 15.9	x: 1.092 m η = 0.8	x: 2.086 m η = 0.2	x: 2.087 m η = 2.7	x: 2.087 m η = 16.2	x: 2.087 m η = 0.1	x: 2.087 m η = 2.6	x: 2.087 m η = 20.0	x: 2.087 m η = 22.9	x: 2.087 m η = 22.0	**CUMPLE η = 22.9**
N430/N497	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 2.045 m η = 7.2	x: 0.097 m η = 12.1	η = 6.1	x: 2.046 m η = 2.0	x: 2.046 m η = 14.6	x: 1.071 m η = 1.2	x: 2.045 m η = 0.2	x: 2.046 m η = 3.0	x: 2.046 m η = 17.2	x: 2.045 m η = 0.1	x: 2.046 m η = 3.0	x: 2.046 m η = 25.5	x: 2.046 m η = 20.7	x: 2.046 m η = 18.8	**CUMPLE η = 25.5**
N432/N497	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.896 m η = 7.0	x: 0.896 m η = 12.3	η = 3.1	x: 2.092 m η = 1.9	x: 2.092 m η = 23.5	x: 0.896 m η = 1.8	x: 2.091 m η = 0.2	x: 2.092 m η = 2.4	x: 2.092 m η = 24.8	x: 2.092 m η = 0.1	x: 2.092 m η = 6.2	x: 2.092 m η = 32.7	x: 2.092 m η = 26.7	x: 2.092 m η = 29.5	**CUMPLE η = 32.7**
N432/N495	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.509 m η = 6.1	x: 1.509 m η = 9.6	η = 3.0	x: 2.113 m η = 1.2	x: 2.113 m η = 24.3	x: 0.099 m η = 1.8	x: 2.112 m η = 0.2	x: 2.113 m η = 1.9	x: 2.113 m η = 25.5	x: 2.112 m η < 0.1	x: 2.113 m η = 6.5	x: 2.113 m η = 36.0	x: 2.113 m η = 29.8	x: 2.113 m η = 32.6	**CUMPLE η = 36.0**
N434/N495	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.373 m η = 5.4	x: 0.098 m η = 11.5	x: 1.798 m η = 5.9	x: 2.223 m η = 1.5	x: 2.223 m η = 13.1	x: 0.948 m η = 1.1	x: 2.222 m η = 0.2	x: 2.223 m η = 3.1	x: 2.223 m η = 15.5	x: 2.222 m η = 0.1	x: 2.223 m η = 2.4	x: 1.798 m η = 16.4	x: 2.223 m η = 20.6	x: 2.223 m η = 18.4	**CUMPLE η = 20.6**
N434/N493	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 2.232 m η = 5.2	x: 0.099 m η = 9.4	η = 1.3	x: 2.233 m η = 1.1	x: 2.233 m η = 13.5	x: 1.166 m η = 0.5	x: 2.232 m η = 0.1	x: 2.233 m η = 1.5	x: 2.233 m η = 13.8	x: 2.232 m η < 0.1	x: 2.233 m η = 1.9	x: 2.233 m η = 19.8	x: 2.233 m η = 18.8	x: 2.233 m η = 20.7	**CUMPLE η = 20.7**
N436/N493	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 2.11 m η = 4.8	x: 0.099 m η = 9.1	x: 1.105 m η = 4.7	x: 2.111 m η = 1.4	x: 2.111 m η = 6.2	x: 0.904 m η = 0.4	x: 2.11 m η = 0.2	x: 2.111 m η = 2.5	x: 2.111 m η = 8.2	x: 2.11 m η = 0.1	x: 2.111 m η = 0.7	x: 2.111 m η = 9.9	x: 2.111 m η = 13.3	x: 2.111 m η = 12.2	**CUMPLE η = 13.3**
N436/N491	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.292 m η = 4.2	x: 1.292 m η = 8.1	η = 1.7	x: 2.088 m η = 1.3	x: 2.088 m η = 7.6	η = 0.1	x: 2.087 m η = 0.2	x: 2.088 m η = 1.9	x: 2.088 m η = 7.6	x: 2.087 m η < 0.1	x: 2.088 m η = 0.6	x: 2.088 m η = 10.8	x: 2.088 m η = 12.6	x: 2.088 m η = 12.6	**CUMPLE η = 12.6**
N438/N491	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.878 m η = 4.8	x: 0.878 m η = 8.0	η = 3.4	x: 2.051 m η = 1.4	x: 2.051 m η = 3.2	η = 0.1	x: 2.05 m η = 0.1	x: 2.051 m η = 1.8	x: 2.051 m η = 4.5	x: 2.05 m η < 0.1	x: 2.051 m η = 0.2	x: 2.051 m η = 9.6	x: 2.051 m η = 12.0	x: 2.051 m η = 10.9	**CUMPLE η = 12.0**
N438/N489	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.49 m η = 3.6	x: 0.098 m η = 8.0	x: 1.291 m η = 1.5	x: 2.087 m η = 1.3	x: 2.087 m η = 4.8	η = 0.2	x: 2.086 m η = 0.2	x: 2.087 m η = 1.8	x: 2.087 m η = 5.1	x: 2.086 m η < 0.1	x: 2.086 m η = 0.3	x: 2.087 m η = 9.8	x: 2.087 m η = 13.3	x: 2.087 m η = 12.0	**CUMPLE η = 13.3**
N440/N489	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.682 m η = 4.6	x: 0.682 m η = 6.7	η = 2.5	x: 2.048 m η = 1.3	x: 0.096 m η = 2.3	η = 0.1	x: 2.047 m η = 0.1	x: 2.048 m η = 1.8	x: 0.096 m η = 3.4	x: 2.047 m η < 0.1	x: 0.096 m η = 0.1	x: 2.048 m η = 8.6	x: 2.048 m η = 9.7	x: 2.048 m η = 8.7	**CUMPLE η = 9.7**
N440/N487	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.987 m η = 2.8	x: 0.095 m η = 8.9	η = 1.3	x: 1.988 m η = 1.6	x: 1.988 m η = 4.7	η = 0.1	x: 1.987 m η = 0.2	x: 1.988 m η = 1.7	x: 1.988 m η = 5.0	x: 1.987 m η < 0.1	x: 1.988 m η = 0.2	x: 1.988 m η = 8.6	x: 1.988 m η = 12.5	x: 1.988 m η = 11.5	**CUMPLE η = 12.5**
N442/N487	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.662 m η = 4.3	x: 0.662 m η = 5.1	η = 1.9	x: 1.986 m η = 1.1	x: 0.095 m η = 3.4	η = 0.1	x: 1.985 m η = 0.1	x: 1.986 m η = 1.5	x: 0.095 m η = 4.2	x: 1.985 m η < 0.1	x: 0.095 m η = 0.2	x: 0.095 m η = 9.3	x: 0.095 m η = 7.1	x: 0.095 m η = 6.8	**CUMPLE η = 9.3**
N442/N485	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.906 m η = 3.2	x: 0.096 m η = 10.9	η = 1.3	x: 1.907 m η = 2.0	x: 1.907 m η = 4.9	η = 0.3	x: 1.906 m η = 0.3	x: 1.907 m η = 2.3	x: 1.907 m η = 5.3	x: 1.907 m η = 0.1	x: 1.907 m η = 0.3	x: 1.907 m η = 7.2	x: 1.907 m η = 15.2	x: 1.907 m η = 14.2	**CUMPLE η = 15.2**
N444/N485	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.903 m η = 4.5	x: 0.278 m η = 3.3	η = 1.6	x: 1.904 m η = 0.9	x: 1.904 m η = 3.8	η = 0.1	x: 0.097 m η = 0.1	x: 0.097 m η = 1.3	x: 1.904 m η = 4.3	x: 0.097 m η < 0.1	x: 1.903 m η = 0.2	x: 0.097 m η = 9.8	x: 0.097 m η = 6.4	x: 1.904 m η = 7.8	**CUMPLE η = 9.8**
N444/N483	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.804 m η = 3.8	x: 0.098 m η = 13.6	η = 1.7	x: 1.805 m η = 2.6	x: 1.805 m η = 4.3	x: 0.952 m η = 0.3	x: 1.804 m η = 0.3	x: 1.805 m η = 3.0	x: 1.805 m η = 4.6	x: 1.805 m η = 0.1	x: 1.805 m η = 0.2	N.P.[1]	x: 1.805 m η = 18.3	x: 1.805 m η = 17.1	**CUMPLE η = 18.3**
N446/N483	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.797 m η = 7.2	x: 0.098 m η = 4.1	η = 1.4	x: 1.798 m η = 0.9	x: 1.798 m η = 5.5	x: 1.797 m η = 0.3	x: 0.098 m η = 0.1	x: 1.798 m η = 1.4	x: 1.798 m η = 5.5	x: 1.797 m η < 0.1	x: 1.798 m η = 0.3	x: 1.798 m η = 13.1	x: 1.586 m η = 6.0	x: 1.798 m η = 12.4	**CUMPLE η = 13.1**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N446/N481	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.654 m η = 5.0	x: 0.101 m η = 19.4	η = 1.0	x: 0.101 m η = 3.0	x: 1.655 m η = 7.5	η = 0.4	x: 1.654 m η = 0.4	x: 0.101 m η = 3.3	x: 1.655 m η = 7.9	x: 0.101 m η = 0.1	x: 1.655 m η = 0.6	x: 1.655 m η = 8.5	x: 1.655 m η = 27.4	x: 1.655 m η = 25.5	**CUMPLE η = 27.4**
N448/N481	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.648 m η = 7.0	x: 0.101 m η = 3.5	η = 1.4	x: 1.649 m η = 0.9	x: 0.101 m η = 5.2	x: 1.262 m η = 0.5	x: 0.101 m η = 0.1	x: 1.649 m η = 1.2	x: 0.101 m η = 5.3	x: 1.648 m η < 0.1	x: 0.101 m η = 0.3	x: 0.101 m η = 11.0	x: 0.101 m η = 5.0	x: 0.101 m η = 10.0	**CUMPLE η = 11.0**
N448/N479	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.551 m η = 4.8	x: 0.104 m η = 20.2	η = 1.7	x: 1.552 m η = 4.2	x: 1.552 m η = 6.4	x: 0.466 m η = 0.7	x: 1.551 m η = 0.6	x: 1.552 m η = 4.2	x: 1.552 m η = 7.0	x: 1.552 m η = 0.2	x: 1.552 m η = 0.5	x: 0.104 m η = 7.6	x: 1.552 m η = 27.1	x: 1.552 m η = 26.0	**CUMPLE η = 27.1**
N450/N479	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.539 m η = 7.9	x: 0.104 m η = 3.3	x: 0.822 m η = 1.2	x: 1.54 m η = 1.9	x: 1.54 m η = 6.0	η = 0.4	x: 0.104 m η = 0.2	x: 1.54 m η = 2.3	x: 1.54 m η = 6.1	x: 1.539 m η = 0.1	x: 1.54 m η = 0.4	x: 1.54 m η = 14.2	x: 1.54 m η = 8.1	x: 1.54 m η = 12.9	**CUMPLE η = 14.2**
N450/N477	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.563 m η = 3.3	x: 0.106 m η = 11.4	η = 1.7	x: 0.106 m η = 3.1	x: 0.106 m η = 5.1	η = 0.4	x: 1.563 m η = 0.4	x: 0.106 m η = 3.5	x: 0.106 m η = 5.7	x: 0.106 m η = 0.1	x: 0.106 m η = 0.3	x: 1.564 m η = 8.2	x: 1.564 m η = 17.2	x: 1.564 m η = 15.9	**CUMPLE η = 17.2**
N452/N477	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.565 m η = 3.9	x: 0.106 m η = 7.3	η = 1.0	x: 0.106 m η = 2.2	x: 1.566 m η = 5.2	x: 0.836 m η = 0.5	x: 1.565 m η = 0.2	x: 0.106 m η = 2.6	x: 1.566 m η = 5.2	x: 0.106 m η = 0.1	x: 1.566 m η = 0.3	x: 1.566 m η = 9.1	x: 1.566 m η = 12.8	x: 1.566 m η = 12.8	**CUMPLE η = 12.8**
N452/N475	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.572 m η = 5.6	x: 0.106 m η = 5.1	η = 2.2	x: 1.573 m η = 1.4	x: 0.106 m η = 5.3	η = 0.4	x: 1.572 m η = 0.2	x: 1.573 m η = 1.7	x: 0.106 m η = 6.2	x: 1.572 m η < 0.1	x: 0.106 m η = 0.4	x: 1.573 m η = 12.4	x: 1.573 m η = 10.8	x: 1.573 m η = 10.2	**CUMPLE η = 12.4**
N454/N475	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.571 m η = 4.0	x: 0.106 m η = 22.2	η = 0.7	x: 0.106 m η = 4.1	x: 1.572 m η = 8.0	η = 0.6	x: 1.571 m η = 0.5	x: 0.106 m η = 4.4	x: 1.572 m η = 8.1	x: 0.106 m η = 0.2	x: 1.572 m η = 0.7	x: 1.572 m η = 7.0	x: 1.572 m η = 30.6	x: 1.572 m η = 28.6	**CUMPLE η = 30.6**
N454/N473	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.563 m η = 16.7	x: 0.106 m η = 5.1	x: 1.381 m η = 2.9	x: 1.564 m η = 2.2	x: 0.106 m η = 5.0	x: 1.381 m η = 0.5	x: 0.106 m η = 0.3	x: 1.564 m η = 2.6	x: 0.106 m η = 6.2	x: 1.563 m η = 0.1	x: 0.106 m η = 0.4	x: 1.564 m η = 22.3	x: 1.564 m η = 7.1	x: 1.564 m η = 19.9	**CUMPLE η = 22.3**
N456/N473	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.56 m η = 7.3	x: 0.106 m η = 40.2	η = 0.5	x: 0.106 m η = 5.6	x: 1.561 m η = 9.7	x: 0.47 m η = 0.7	x: 1.56 m η = 0.7	x: 0.106 m η = 5.7	x: 1.561 m η = 9.7	x: 0.106 m η = 0.3	x: 1.561 m η = 1.0	x: 1.561 m η = 10.5	x: 1.561 m η = 50.8	x: 1.561 m η = 48.3	**CUMPLE η = 50.8**
N456/N471	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.535 m η = 30.7	x: 0.107 m η = 9.5	x: 0.643 m η = 3.7	x: 1.536 m η = 3.8	x: 1.536 m η = 4.0	x: 0.464 m η = 0.5	x: 0.107 m η = 0.5	x: 1.536 m η = 4.1	x: 1.536 m η = 5.6	x: 1.536 m η = 0.2	x: 1.536 m η = 0.3	x: 1.536 m η = 40.0	x: 1.536 m η = 12.2	x: 1.536 m η = 36.8	**CUMPLE η = 40.0**
N458/N471	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.53 m η = 10.7	x: 0.107 m η = 59.3	η = 0.5	x: 1.531 m η = 7.8	x: 1.531 m η = 12.5	x: 0.641 m η = 1.0	x: 1.53 m η = 1.0	x: 1.531 m η = 8.0	x: 1.531 m η = 12.7	x: 1.531 m η = 0.7	x: 1.531 m η = 1.6	x: 1.531 m η = 13.9	x: 1.531 m η = 73.2	x: 1.531 m η = 69.6	**CUMPLE η = 73.2**
N458/N469	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.49 m η = 47.3	x: 0.109 m η = 14.3	x: 0.109 m η = 5.0	x: 0.109 m η = 5.9	x: 1.491 m η = 2.9	η = 0.2	x: 0.109 m η = 0.8	x: 0.109 m η = 6.0	x: 0.109 m η = 4.4	x: 0.109 m η = 0.4	x: 0.109 m η = 0.2	x: 1.491 m η = 58.1	x: 1.491 m η = 17.7	x: 1.491 m η = 55.0	**CUMPLE η = 58.1**
N405/N465	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.46 m η = 21.4	x: 0.206 m η = 7.3	η = 3.0	x: 0.206 m η = 1.6	x: 1.461 m η = 5.2	η = 0.6	x: 0.206 m η = 0.2	x: 1.461 m η = 2.2	x: 1.461 m η = 6.4	x: 1.46 m η < 0.1	x: 1.461 m η = 0.4	x: 1.461 m η = 31.3	x: 1.461 m η = 11.1	x: 1.461 m η = 27.9	**CUMPLE η = 31.3**
N405/N463	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.045 m η = 0.4	x: 0.201 m η = 2.9	η = 1.9	x: 0.201 m η = 1.6	x: 0.201 m η = 17.2	η = 3.2	x: 1.045 m η = 0.4	x: 0.201 m η = 1.8	x: 0.201 m η = 18.0	x: 0.201 m η < 0.1	x: 0.201 m η = 3.3	x: 1.046 m η = 3.0	x: 0.201 m η = 20.3	x: 0.201 m η = 22.7	**CUMPLE η = 22.7**
N405/N464	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.921 m η = 2.2	x: 0.085 m η = 1.3	x: 0.504 m η = 2.4	x: 0.922 m η = 3.6	x: 0.085 m η = 15.4	x: 0.504 m η = 2.9	x: 0.085 m η = 0.7	x: 0.922 m η = 3.8	x: 0.085 m η = 16.4	x: 0.922 m η = 0.2	x: 0.085 m η = 2.8	x: 0.085 m η = 22.9	x: 0.085 m η = 18.2	x: 0.085 m η = 19.8	**CUMPLE η = 22.9**
N461/N465	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.986 m η = 1.5	x: 0.086 m η = 0.3	x: 0.537 m η = 2.1	x: 0.086 m η = 11.5	x: 0.987 m η = 9.3	η = 1.2	x: 0.086 m η = 2.4	x: 0.086 m η = 11.7	x: 0.987 m η = 9.5	x: 0.086 m η = 1.4	x: 0.987 m η = 0.9	x: 0.987 m η = 27.5	x: 0.987 m η = 8.0	x: 0.987 m η = 19.6	**CUMPLE η = 27.5**
N460/N467	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.07 m η = 0.7	x: 0.085 m η = 2.0	η = 1.0	x: 1.071 m η = 4.4	x: 1.071 m η = 10.6	η = 1.4	x: 1.07 m η = 0.9	x: 1.071 m η = 4.7	x: 1.071 m η = 11.0	x: 1.071 m η = 0.2	x: 1.071 m η = 1.2	x: 1.071 m η = 6.0	x: 1.071 m η = 14.4	x: 1.071 m η = 14.2	**CUMPLE η = 14.4**
N459/N469	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.15 m η = 1.0	x: 0.085 m η = 0.2	x: 0.618 m η = 3.4	x: 0.085 m η = 23.4	x: 1.151 m η = 16.0	x: 0.618 m η = 2.1	x: 0.085 m η = 4.1	x: 0.085 m η = 24.1	x: 1.151 m η = 17.5	x: 0.085 m η = 6.0	x: 1.151 m η = 3.1	x: 0.085 m η = 33.4	x: 1.151 m η = 21.4	x: 0.085 m η = 30.2	**CUMPLE η = 33.4**
N458/N470	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.175 m η = 1.0	x: 0.085 m η = 0.3	η = 1.8	x: 1.176 m η = 16.1	x: 1.176 m η = 8.2	x: 0.267 m η = 0.8	x: 0.085 m η = 2.8	x: 1.176 m η = 16.7	x: 1.176 m η = 8.4	x: 1.176 m η = 2.9	x: 1.176 m η = 0.7	x: 1.176 m η = 22.8	x: 1.176 m η = 11.7	x: 1.176 m η = 21.1	**CUMPLE η = 22.8**
N457/N471	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.208 m η = 3.1	x: 0.085 m η = 0.5	x: 0.085 m η = 3.9	x: 0.085 m η = 13.8	x: 1.209 m η = 7.6	x: 0.085 m η = 0.6	x: 0.085 m η = 2.4	x: 0.085 m η = 14.6	x: 1.209 m η = 9.2	x: 0.085 m η = 2.2	x: 1.209 m η = 0.9	x: 0.085 m η = 22.5	x: 1.209 m η = 12.4	x: 0.085 m η = 20.3	**CUMPLE η = 22.5**
N456/N472	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.221 m η = 0.3	x: 0.085 m η = 0.4	η = 2.0	x: 1.222 m η = 10.4	x: 1.222 m η = 4.0	η = 0.1	x: 0.085 m η = 1.7	x: 1.222 m η = 11.0	x: 1.222 m η = 4.3	x: 1.222 m η = 1.2	x: 1.221 m η = 0.2	x: 1.222 m η = 15.4	x: 0.085 m η = 9.0	x: 1.222 m η = 13.1	**CUMPLE η = 15.4**
N455/N473	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.243 m η = 1.9	x: 0.085 m η = 0.4	x: 0.664 m η = 2.6	x: 0.085 m η = 8.5	x: 1.244 m η = 6.1	η = 0.3	x: 0.085 m η = 1.4	x: 0.085 m η = 9.1	x: 1.244 m η = 7.1	x: 0.085 m η = 0.9	x: 1.244 m η = 0.5	x: 1.244 m η = 16.7	x: 1.244 m η = 9.7	x: 1.244 m η = 12.7	**CUMPLE η = 16.7**
N454/N474	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.33 m η = 0.2	x: 0.085 m η = 0.9	η = 2.0	x: 1.33 m η = 4.7	x: 0.085 m η = 3.2	η = 0.1	x: 0.085 m η = 0.7	x: 1.33 m η = 5.1	x: 0.085 m η = 3.8	x: 1.33 m η = 0.3	x: 0.085 m η = 0.1	x: 1.33 m η = 7.1	x: 0.085 m η = 8.3	x: 0.085 m η = 7.2	**CUMPLE η = 8.3**
N453/N475	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.253 m η = 1.5	x: 0.085 m η = 0.8	x: 0.085 m η = 2.2	x: 0.085 m η = 3.7	x: 1.254 m η = 5.8	x: 0.67 m η = 0.4	x: 0.085 m η = 0.6	x: 0.085 m η = 4.1	x: 1.254 m η = 6.2	x: 0.085 m η = 0.2	x: 1.254 m η = 0.4	x: 1.254 m η = 12.3	x: 1.254 m η = 7.2	x: 1.254 m η = 8.4	**CUMPLE η = 12.3**
N452/N476	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.332 m η = 0.3	x: 0.085 m η = 1.3	x: 0.085 m η = 2.7	x: 0.085 m η = 1.5	x: 0.085 m η = 2.5	x: 0.709 m η = 0.1	x: 0.085 m η = 0.3	x: 0.085 m η = 2.2	x: 0.085 m η = 3.5	x: 0.085 m η = 0.1	x: 0.085 m η = 0.1	x: 1.332 m η = 5.1	x: 0.085 m η = 5.4	x: 0.085 m η = 4.6	**CUMPLE η = 5.4**
N451/N477	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.242 m η = 1.8	x: 0.085 m η = 1.2	η = 2.0	x: 1.243 m η = 2.6	x: 1.243 m η = 4.2	x: 0.471 m η = 0.3	x: 1.242 m η = 0.4	x: 1.243 m η = 3.4	x: 1.243 m η = 4.3	x: 1.243 m η = 0.1	x: 1.243 m η = 0.2	x: 1.243 m η = 8.5	x: 1.243 m η = 7.2	x: 1.243 m η = 6.6	**CUMPLE η = 8.5**
N450/N478	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.311 m η = 0.5	x: 0.085 m η = 1.4	x: 0.698 m η = 3.0	x: 0.085 m η = 2.4	x: 0.085 m η = 2.8	η = 0.1	x: 1.311 m η = 0.4	x: 0.085 m η = 2.9	x: 0.085 m η = 3.4	x: 0.085 m η = 0.1	x: 0.085 m η = 0.1	x: 1.311 m η = 6.5	x: 0.085 m η = 6.9	x: 0.085 m η = 5.5	**CUMPLE η = 6.9**
N449/N479	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.251 m η = 1.1	x: 0 m η = 0.5	η = 1.6	x: 1.252 m η = 5.1	x: 1.252 m η = 6.7	η = 0.5	x: 1.251 m η = 0.8	x: 1.252 m η = 5.6	x: 1.252 m η = 6.9	x: 1.252 m η = 0.3	x: 1.252 m η = 0.5	x: 1.252 m η = 10.9	x: 1.252 m η = 9.2	x: 1.252 m η = 9.4	**CUMPLE η = 10.9**
N448/N480	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.329 m η = 5.1	x: 0.079 m η = 1.7	η = 3.4	x: 1.33 m η = 3.3	x: 0.079 m η = 3.6	x: 0.288 m η = 0.3	x: 1.329 m η = 0.5	x: 1.33 m η = 4.0	x: 0.079 m η = 3.9	x: 1.33 m η = 0.2	x: 0.079 m η = 0.2	x: 1.33 m η = 12.3	x: 0.079 m η = 3.7	x: 1.33 m η = 9.5	**CUMPLE η = 12.3**
N447/N481	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.376 m η = 0.5	x: 0 m η < 0.1	x: 0.689 m η = 2.1	x: 1.377 m η = 3.1	x: 1.377 m η = 5.5	x: 0.689 m η = 0.6	x: 1.376 m η = 0.5	x: 1.377 m η = 3.8	x: 1.377 m η = 6.4	x: 1.377 m η = 0.1	x: 1.377 m η = 0.4	x: 1.377 m η = 10.7	x: 0 m η = 3.0	x: 1.377 m η = 7.2	**CUMPLE η = 10.7**
N446/N482	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.48 m η = 3.8	x: 0.085 m η = 1.3	η = 3.2	x: 1.481 m η = 3.6	x: 1.481 m η = 3.2	η = 0.2	x: 1.48 m η = 0.5	x: 1.481 m η = 4.2	x: 0.085 m η = 3.7	x: 1.481 m η = 0.2	x: 0.085 m η = 0.1	x: 1.481 m η = 10.4	x: 0.085 m η = 6.2	x: 1.481 m η = 8.3	**CUMPLE η = 10.4**
N445/N483	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.549 m η = 0.6	x: 0 m η = 0.2	η = 1.4	x: 1.55 m η = 2.4	x: 1.55 m η = 5.9	η = 0.3	x: 1.549 m η = 0.3	x: 1.55 m η = 2.8	x: 1.55 m η = 6.3	x: 1.55 m η = 0.1	x: 1.55 m η = 0.4	x: 1.55 m η = 10.5	x: 1.55 m η = 5.9	x: 1.55 m η = 7.8	**CUMPLE η = 10.5**
N444/N484	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.609 m η = 2.1	x: 0.089 m η = 0.8	x: 1.23 m η = 2.1	x: 1.61 m η = 2.2	x: 1.61 m η = 4.2	η = 0.1	x: 1.609 m η = 0.3	x: 1.61 m η = 2.5	x: 1.61 m η = 5.0	x: 1.61 m η = 0.1	x: 1.61 m η = 0.3	x: 1.61 m η = 8.6	x: 1.61 m η = 2.6	x: 1.61 m η = 5.9	**CUMPLE η = 8.6**
N443/N485	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.66 m η = 0.6	x: 0 m η = 0.4	η = 1.4	x: 1.661 m η = 1.6	x: 1.661 m η = 5.5	η = 0.2	x: 1.66 m η = 0.2	x: 1.661 m η = 1.8	x: 1.661 m η = 5.5	x: 1.66 m η < 0.1	x: 1.661 m η = 0.3	x: 1.661 m η = 8.1	x: 1.661 m η = 5.2	x: 1.661 m η = 7.0	**CUMPLE η = 8.1**
N442/N486	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.715 m η = 1.8	x: 0.093 m η = 0.7	η = 1.4	x: 1.716 m η = 1.6	x: 1.716 m η = 3.9	η = 0.1	x: 1.715 m η = 0.2	x: 1.716 m η = 1.7	x: 1.716 m η = 4.3	x: 1.715 m η < 0.1	x: 1.715 m η = 0.2	x: 1.716 m η = 6.8	x: 1.716 m η = 5.2	x: 1.716 m η = 5.0	**CUMPLE η = 6.8**
N441/N487	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.75 m η = 0.5	x: 0 m η = 0.5	η = 1.8	x: 1.751 m η = 1.3	x: 1.751 m η = 4.6	η = 0.1	x: 1.75 m η = 0.2	x: 1.751 m η = 2.0	x: 1.751 m η = 4.8	x: 1.75 m η < 0.1	x: 1.751 m η = 0.2	x: 1.751 m η = 7.1	x: 1.751 m η = 5.1	x: 1.751 m η = 5.8	**CUMPLE η = 7.1**
N440/N488	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.799 m η = 1.5	x: 0.096 m η = 0.6	x: 0.948 m η = 1.5	x: 1.8 m η = 1.3	x: 0.096 m η = 3.5	η = 0.1	x: 1.799 m η = 0.2	x: 1.8 m η = 1.8	x: 0.096 m η = 3.5	x: 1.799 m η < 0.1	x: 0.096 m η = 0.1	x: 1.8 m η = 5.5	x: 0.096 m η = 4.0	x: 0.096 m η = 4.7	**CUMPLE η = 5.5**
N439/N489	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.819 m η = 0.5	x: 0 m η = 0.6	x: 0.91 m η = 2.1	x: 1.82 m η = 1.4	x: 1.82 m η = 4.8	η = 0.1	x: 1.819 m η = 0.2	x: 1.82 m η = 2.1	x: 1.82 m η = 5.5	x: 1.819 m η < 0.1	x: 1.82 m η = 0.3	x: 1.82 m η = 7.6	x: 1.82 m η = 6.3	x: 1.82 m η = 6.1	**CUMPLE η = 7.6**
N438/N490	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.862 m η = 1.2	x: 0.098 m η = 0.4	x: 0.981 m η = 1.7	x: 1.863 m η = 1.3	x: 1.863 m η = 4.2	η < 0.1	x: 1.862 m η = 0.2	x: 1.863 m η = 1.7	x: 1.863 m η = 4.7	x: 1.862 m η < 0.1	x: 1.862 m η = 0.2	x: 1.863 m η = 7.5	x: 0.981 m η = 5.6	x: 1.863 m η = 5.8	**CUMPLE η = 7.5**
N437/N491	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.86 m η = 0.4	x: 0 m η = 0.5	η = 2.6	x: 1.861 m η = 1.4	x: 1.861 m η = 6.7	η = 0.2	x: 1.86 m η = 0.1	x: 1.861 m η = 2.1	x: 1.861 m η = 7.7	x: 1.86 m η < 0.1	x: 1.861 m η = 0.6	x: 1.861 m η = 11.1	x: 1.861 m η = 8.8	x: 1.861 m η = 8.3	**CUMPLE η = 11.1**
N436/N492	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.899 m η = 1.2	x: 0.099 m η = 0.5	x: 0.999 m η = 3.0	x: 1.9 m η = 1.3	x: 1.9 m η = 7.3	η = 0.2	x: 1.899 m η = 0.1	x: 1.9 m η = 1.7	x: 1.9 m η = 8.5	x: 1.899 m η < 0.1	x: 1.9 m η = 0.7	x: 1.9 m η = 12.9	x: 1.9 m η = 10.0	x: 1.9 m η = 9.6	**CUMPLE η = 12.9**
N435/N493	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.888 m η = 0.4	x: 0 m η = 1.0	x: 1.133 m η = 4.0	x: 0 m η = 1.4	x: 1.889 m η = 12.5	x: 0 m η = 0.7	x: 0 m η = 0.1	x: 0 m η = 2.1	x: 1.889 m η = 14.2	x: 0 m η < 0.1	x: 1.889 m η = 2.0	x: 1.133 m η = 12.9	x: 1.889 m η = 16.3	x: 1.889 m η = 15.8	**CUMPLE η = 16.3**
N434/N494	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.913 m η = 1.6	x: 0.085 m η = 0.6	x: 0.451 m η = 4.2	x: 1.914 m η = 1.4	x: 1.914 m η = 15.5	x: 0.451 m η = 1.0	x: 0.817 m η = 0.1	x: 0.085 m η = 2.1	x: 1.914 m η = 17.3	x: 0.085 m η < 0.1	x: 1.914 m η = 3.0	x: 1.914 m η = 24.1	x: 1.914 m η = 19.5	x: 1.914 m η = 19.6	**CUMPLE η = 24.1**
N433/N495	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.889 m η = 0.5	x: 0 m η = 1.0	x: 1.889 m η = 3.3	x: 0 m η = 1.6	x: 1.89 m η = 24.8	x: 1.323 m η = 1.9	x: 1.134 m η = 0.2	x: 0 m η = 2.2	x: 1.89 m η = 26.2	x: 0 m η < 0.1	x: 1.89 m η = 6.9	x: 1.89 m η = 35.2	x: 1.89 m η = 28.4	x: 1.89 m η = 31.0	**CUMPLE η = 35.2**
N432/N496	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.891 m η = 1.7	x: 0.099 m η = 2.6	η = 1.3	x: 1.892 m η = 1.9	x: 1.892 m η = 15.6	x: 0.995 m η = 1.3	x: 1.891 m η = 0.2	x: 1.892 m η = 2.3	x: 1.892 m η = 15.6	x: 1.891 m η = 0.1	x: 1.892 m η = 2.5	x: 1.892 m η = 19.6	x: 1.892 m η = 17.5	x: 1.892 m η = 21.1	**CUMPLE η = 21.1**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N431/N497	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.853 m η = 0.3	x: 0 m η = 0.6	x: 0.927 m η = 3.4	x: 0 m η = 2.2	x: 1.854 m η = 23.5	η = 1.8	x: 0 m η = 0.2	x: 1.854 m η = 3.3	x: 1.854 m η = 25.0	x: 1.854 m η = 0.1	x: 1.854 m η = 6.3	x: 1.854 m η = 33.3	x: 1.854 m η = 25.2	x: 1.854 m η = 29.4	**CUMPLE** **η = 33.3**
N430/N498	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.862 m η = 1.4	x: 0.098 m η = 0.5	x: 0.981 m η = 3.8	x: 1.863 m η = 2.2	x: 1.863 m η = 16.6	x: 0.319 m η = 1.1	x: 1.862 m η = 0.2	x: 0.098 m η = 3.0	x: 1.863 m η = 18.0	x: 0.098 m η = 0.1	x: 1.863 m η = 3.3	x: 1.863 m η = 24.7	x: 1.863 m η = 19.6	x: 1.863 m η = 20.8	**CUMPLE** **η = 24.7**
N429/N499	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.815 m η = 0.3	x: 0 m η = 0.7	η = 3.8	x: 1.816 m η = 2.3	x: 1.816 m η = 14.4	x: 0 m η = 0.8	x: 1.815 m η = 0.3	x: 1.816 m η = 3.4	x: 1.816 m η = 16.0	x: 1.816 m η = 0.1	x: 1.816 m η = 2.6	x: 1.816 m η = 22.2	x: 1.816 m η = 17.8	x: 1.816 m η = 18.0	**CUMPLE** **η = 22.2**
N428/N500	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.799 m η = 1.5	x: 0.096 m η = 0.6	η = 2.5	x: 1.8 m η = 2.5	x: 1.8 m η = 9.0	η = 0.3	x: 1.799 m η = 0.3	x: 1.8 m η = 3.2	x: 1.8 m η = 10.0	x: 1.8 m η = 0.1	x: 1.8 m η = 1.0	x: 1.8 m η = 14.2	x: 1.8 m η = 11.3	x: 1.8 m η = 11.3	**CUMPLE** **η = 14.2**
N427/N501	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.746 m η = 0.4	x: 0 m η = 0.6	η = 2.6	x: 1.747 m η = 2.6	x: 1.747 m η = 8.7	η = 0.3	x: 1.746 m η = 0.3	x: 1.747 m η = 3.4	x: 1.747 m η = 9.7	x: 1.747 m η = 0.1	x: 1.747 m η = 0.9	x: 1.747 m η = 14.0	x: 1.747 m η = 8.8	x: 1.747 m η = 10.9	**CUMPLE** **η = 14.0**
N426/N502	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.715 m η = 1.8	x: 0.093 m η = 0.7	η = 2.1	x: 1.716 m η = 2.9	x: 1.716 m η = 6.1	η = 0.1	x: 1.715 m η = 0.4	x: 1.716 m η = 3.5	x: 1.716 m η = 6.4	x: 1.716 m η = 0.1	x: 1.716 m η = 0.4	x: 1.716 m η = 9.4	x: 1.716 m η = 7.0	x: 1.716 m η = 7.8	**CUMPLE** **η = 9.4**
N425/N503	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.654 m η = 1.0	x: 0 m η = 1.2	η = 2.1	x: 1.655 m η = 3.0	x: 1.655 m η = 6.9	η = 0.2	x: 1.654 m η = 0.4	x: 1.655 m η = 3.6	x: 1.655 m η = 7.4	x: 1.655 m η = 0.1	x: 1.655 m η = 0.6	x: 1.655 m η = 10.9	x: 1.655 m η = 8.5	x: 1.655 m η = 8.8	**CUMPLE** **η = 10.9**
N424/N504	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.609 m η = 2.0	x: 0.089 m η = 1.1	η = 1.7	x: 1.61 m η = 2.4	x: 1.61 m η = 4.9	η = 0.1	x: 1.609 m η = 0.3	x: 1.61 m η = 2.9	x: 1.61 m η = 5.2	x: 1.61 m η = 0.1	x: 1.61 m η = 0.3	x: 1.61 m η = 8.9	x: 1.61 m η = 5.9	x: 1.61 m η = 6.4	**CUMPLE** **η = 8.9**
N423/N505	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.542 m η = 1.4	x: 0 m η = 1.5	x: 0.579 m η = 1.6	x: 1.543 m η = 2.2	x: 1.543 m η = 5.7	η = 0.2	x: 1.542 m η = 0.3	x: 1.543 m η = 2.4	x: 1.543 m η = 5.7	x: 1.543 m η = 0.1	x: 1.543 m η = 0.3	x: 1.543 m η = 8.9	x: 1.543 m η = 6.9	x: 1.543 m η = 7.4	**CUMPLE** **η = 8.9**
N422/N506	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.48 m η = 3.9	x: 0.085 m η = 1.3	x: 0.318 m η = 2.3	x: 1.481 m η = 3.3	x: 1.481 m η = 3.1	η = 0.1	x: 1.48 m η = 0.5	x: 1.481 m η = 3.6	x: 1.481 m η = 3.9	x: 1.481 m η = 0.1	x: 1.48 m η = 0.2	x: 1.481 m η = 10.1	x: 1.481 m η = 5.1	x: 1.481 m η = 8.2	**CUMPLE** **η = 10.1**
N421/N507	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.368 m η = 0.9	x: 0 m η = 0.7	η = 1.5	x: 1.369 m η = 3.5	x: 1.369 m η = 3.9	η = 0.2	x: 1.368 m η = 0.5	x: 1.369 m η = 3.9	x: 1.369 m η = 3.9	x: 1.369 m η = 0.2	x: 1.369 m η = 0.2	x: 1.369 m η = 7.1	x: 1.369 m η = 5.5	x: 1.369 m η = 5.5	**CUMPLE** **η = 7.1**
N420/N508	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.329 m η = 4.8	x: 0.079 m η = 1.6	x: 0.079 m η = 3.3	x: 1.33 m η = 3.4	x: 0.079 m η = 2.1	η = 0.1	x: 1.329 m η = 0.5	x: 1.33 m η = 3.9	x: 0.079 m η = 2.9	x: 1.33 m η = 0.2	x: 0.079 m η = 0.1	x: 0.079 m η = 10.5	x: 0.079 m η = 5.1	x: 1.33 m η = 9.1	**CUMPLE** **η = 10.5**
N419/N509	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.621 m η = 1.8	x: 0.621 m η = 1.6	η = 1.7	x: 1.241 m η = 5.0	x: 1.241 m η = 2.9	η = 0.1	x: 1.24 m η = 0.8	x: 1.241 m η = 5.4	x: 1.241 m η = 2.9	x: 1.241 m η = 0.3	x: 1.24 m η = 0.1	x: 1.241 m η = 9.1	x: 1.241 m η = 6.1	x: 1.241 m η = 7.1	**CUMPLE** **η = 9.1**
N418/N510	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.225 m η = 0.8	x: 0.085 m η = 1.6	x: 0.085 m η = 3.5	x: 0.085 m η = 3.4	x: 0.085 m η = 2.5	η = 0.2	x: 1.225 m η = 0.6	x: 0.085 m η = 3.6	x: 0.085 m η = 3.2	x: 1.226 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 6.7	x: 0.085 m η = 5.9	x: 0.085 m η = 5.1	**CUMPLE** **η = 6.7**
N417/N511	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.232 m η = 1.8	x: 0.085 m η = 1.2	η = 1.4	x: 1.233 m η = 3.1	x: 1.233 m η = 4.6	x: 1.232 m η = 0.6	x: 1.232 m η = 0.5	x: 1.233 m η = 3.6	x: 1.233 m η = 4.9	x: 1.233 m η = 0.1	x: 1.233 m η = 0.2	x: 1.233 m η = 10.9	x: 0.085 m η = 6.8	x: 1.233 m η = 7.8	**CUMPLE** **η = 10.9**
N416/N512	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.332 m η = 0.6	x: 0.085 m η = 1.3	x: 1.332 m η = 2.6	x: 0.085 m η = 2.2	x: 1.332 m η = 4.6	x: 0.916 m η = 0.6	x: 0.085 m η = 0.4	x: 0.085 m η = 2.5	x: 1.332 m η = 5.2	x: 0.085 m η = 0.1	x: 1.332 m η = 0.3	x: 1.332 m η = 9.0	x: 1.332 m η = 7.4	x: 1.332 m η = 6.2	**CUMPLE** **η = 9.0**
N415/N513	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.244 m η = 1.5	x: 0.085 m η = 0.8	η = 2.2	x: 0.085 m η = 3.5	x: 1.245 m η = 6.2	x: 1.052 m η = 0.7	x: 0.085 m η = 0.6	x: 0.085 m η = 3.9	x: 1.245 m η = 7.0	x: 0.085 m η = 0.2	x: 1.245 m η = 0.5	x: 1.245 m η = 12.1	x: 1.245 m η = 9.2	x: 1.245 m η = 9.0	**CUMPLE** **η = 12.1**
N414/N514	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.33 m η = 0.5	x: 0.085 m η = 1.0	η = 2.0	x: 1.33 m η = 4.8	x: 0.085 m η = 3.7	η = 0.3	x: 0.085 m η = 0.8	x: 1.33 m η = 4.9	x: 1.33 m η = 4.3	x: 1.33 m η = 0.2	x: 1.33 m η = 0.2	x: 0.085 m η = 7.3	x: 1.33 m η = 7.8	x: 1.33 m η = 6.8	**CUMPLE** **η = 7.8**
N413/N515	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.234 m η = 1.7	x: 0.085 m η = 0.5	x: 0.66 m η = 2.9	x: 0.085 m η = 8.2	x: 1.235 m η = 6.0	x: 1.234 m η = 0.5	x: 0.085 m η = 1.4	x: 0.085 m η = 8.5	x: 1.235 m η = 7.0	x: 0.085 m η = 0.7	x: 1.235 m η = 0.5	x: 1.235 m η = 14.7	x: 1.235 m η = 9.3	x: 1.235 m η = 12.0	**CUMPLE** **η = 14.7**
N412/N516	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.221 m η = 0.5	x: 0.085 m η = 0.6	η = 2.7	x: 1.222 m η = 10.3	x: 1.222 m η = 4.8	η = 0.4	x: 0.085 m η = 1.7	x: 1.222 m η = 10.6	x: 1.222 m η = 5.3	x: 1.222 m η = 1.1	x: 1.222 m η = 0.3	x: 1.222 m η = 14.2	x: 1.222 m η = 10.3	x: 1.222 m η = 13.0	**CUMPLE** **η = 14.2**
N411/N517	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.201 m η = 2.6	x: 0.085 m η = 0.4	x: 0.643 m η = 4.2	x: 0.085 m η = 13.6	x: 1.202 m η = 7.7	η = 0.6	x: 0.085 m η = 2.3	x: 0.085 m η = 14.1	x: 1.202 m η = 9.3	x: 0.085 m η = 2.0	x: 1.202 m η = 0.9	x: 1.202 m η = 20.7	x: 1.202 m η = 12.7	x: 0.085 m η = 19.5	**CUMPLE** **η = 20.7**
N410/N518	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.175 m η = 1.0	x: 0.085 m η = 0.2	η = 2.7	x: 1.176 m η = 16.0	x: 1.176 m η = 8.3	x: 0.449 m η = 0.8	x: 0.085 m η = 2.8	x: 1.176 m η = 16.3	x: 1.176 m η = 8.5	x: 1.176 m η = 2.7	x: 1.176 m η = 0.7	x: 1.176 m η = 22.0	x: 1.176 m η = 11.9	x: 1.176 m η = 20.9	**CUMPLE** **η = 22.0**
N409/N519	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.144 m η = 0.7	x: 0.085 m η = 0.5	η = 4.0	x: 0.085 m η = 23.2	x: 1.145 m η = 16.8	η = 2.2	x: 0.085 m η = 4.1	x: 0.085 m η = 23.6	x: 1.145 m η = 18.5	x: 0.085 m η = 5.7	x: 1.145 m η = 3.5	x: 1.145 m η = 33.7	x: 1.145 m η = 25.1	x: 0.085 m η = 29.1	**CUMPLE** **η = 33.7**
N408/N521	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.066 m η = 0.7	x: 0.085 m η = 2.0	η = 1.3	x: 1.067 m η = 4.5	x: 1.067 m η = 11.6	x: 0.576 m η = 1.5	x: 1.066 m η = 0.9	x: 1.067 m η = 4.7	x: 1.067 m η = 11.9	x: 1.067 m η = 0.2	x: 1.067 m η = 1.4	x: 1.067 m η = 6.2	x: 1.067 m η = 15.7	x: 1.067 m η = 15.4	**CUMPLE** **η = 15.7**
N407/N523	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.983 m η = 1.5	x: 0.086 m η = 0.5	x: 0.535 m η = 2.2	x: 0.984 m η = 9.6	x: 0.086 m η = 11.2	η = 2.3	η = 1.3	x: 0.984 m η = 9.8	x: 0.086 m η = 11.3	x: 0.984 m η = 1.0	x: 0.086 m η = 1.3	x: 0.984 m η = 27.3	x: 0.984 m η = 7.8	x: 0.984 m η = 19.5	**CUMPLE** **η = 27.3**
N400/N524	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.916 m η = 2.2	x: 0.085 m η = 1.2	x: 0.501 m η = 2.4	x: 0.917 m η = 3.6	x: 0.085 m η = 16.5	x: 0.501 m η = 3.1	x: 0.916 m η = 0.7	x: 0.917 m η = 3.7	x: 0.085 m η = 17.4	x: 0.917 m η = 0.1	x: 0.085 m η = 3.1	x: 0.085 m η = 24.3	x: 0.085 m η = 17.4	x: 0.085 m η = 21.0	**CUMPLE** **η = 24.3**
N72/N203	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.418 m η = 1.4	x: 1.418 m η = 5.4	η = 1.0	x: 5.415 m η = 16.2	x: 0.085 m η = 14.3	x: 3.083 m η = 0.8	x: 5.415 m η = 2.5	x: 5.415 m η = 16.3	x: 0.085 m η = 14.4	x: 5.415 m η = 2.7	x: 0.085 m η = 2.1	x: 0.085 m η = 17.4	x: 5.415 m η = 24.3	x: 5.415 m η = 23.8	**CUMPLE** **η = 24.3**
N203/N333	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 3.9	η = 0.1	x: 0.085 m η = 14.9	x: 5.415 m η = 13.1	x: 2.417 m η = 0.7	x: 0.085 m η = 2.3	x: 0.085 m η = 14.9	x: 5.415 m η = 13.2	x: 0.085 m η = 2.3	x: 5.415 m η = 1.7	x: 5.415 m η = 6.5	x: 0.085 m η = 19.7	x: 0.085 m η = 20.0	**CUMPLE** **η = 20.0**
N333/N463	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.083 m η = 1.3	x: 3.083 m η = 5.2	η = 1.1	x: 0.085 m η = 16.2	x: 5.415 m η = 14.5	x: 2.75 m η = 0.8	x: 0.085 m η = 2.4	x: 0.085 m η = 16.2	x: 5.415 m η = 14.6	x: 0.085 m η = 2.7	x: 5.415 m η = 2.1	x: 5.415 m η = 17.5	x: 0.085 m η = 24.2	x: 0.085 m η = 23.6	**CUMPLE** **η = 24.2**
N134/N265	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 4.083 m η = 1.5	x: 4.083 m η = 5.6	x: 3.416 m η = 1.2	x: 5.415 m η = 16.4	x: 0.085 m η = 14.5	x: 3.083 m η = 0.8	x: 5.415 m η = 2.5	x: 5.415 m η = 16.5	x: 0.085 m η = 14.6	x: 5.415 m η = 2.8	x: 0.085 m η = 2.1	x: 0.085 m η = 17.5	x: 5.415 m η = 24.3	x: 5.415 m η = 23.7	**CUMPLE** **η = 24.3**
N265/N395	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.75 m η = 1.7	x: 2.75 m η = 6.2	η = 0.1	x: 5.415 m η = 15.0	x: 5.415 m η = 14.2	x: 2.417 m η = 0.8	x: 5.415 m η = 2.4	x: 5.415 m η = 15.0	x: 5.415 m η = 14.2	x: 5.415 m η = 2.3	x: 5.415 m η = 2.0	x: 5.415 m η = 7.3	x: 5.415 m η = 20.2	x: 0.085 m η = 20.5	**CUMPLE** **η = 20.5**
N395/N525	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.084 m η = 1.5	x: 2.084 m η = 5.7	x: 3.083 m η = 1.3	x: 0.085 m η = 16.5	x: 5.415 m η = 14.6	x: 2.75 m η = 0.8	x: 0.085 m η = 2.5	x: 0.085 m η = 16.7	x: 5.415 m η = 14.7	x: 0.085 m η = 2.8	x: 5.415 m η = 2.2	x: 5.415 m η = 17.6	x: 0.085 m η = 24.2	x: 0.085 m η = 23.5	**CUMPLE** **η = 24.2**
N553/N552	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.964 m η = 1.5	x: 0 m η = 8.0	η = 2.6	x: 0 m η = 9.9	x: 0 m η = 27.0	x: 1.179 m η = 3.7	x: 0 m η = 0.3	x: 0 m η = 11.4	x: 0 m η = 27.7	x: 0 m η = 1.3	x: 0 m η = 7.8	x: 0 m η = 25.6	x: 0 m η = 31.9	x: 0 m η = 28.9	**CUMPLE** **η = 31.9**
N552/N551	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.957 m η = 1.7	x: 0 m η = 9.0	η = 3.0	x: 0 m η = 8.5	x: 0 m η = 34.7	x: 1.567 m η = 4.6	x: 0 m η = 0.7	x: 0 m η = 10.2	x: 0 m η = 36.2	x: 0 m η = 1.1	x: 0 m η = 13.3	x: 0 m η = 31.9	x: 0 m η = 45.8	x: 0 m η = 41.1	**CUMPLE** **η = 45.8**
N551/N550	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.95 m η = 2.9	x: 0 m η = 9.7	η = 3.5	x: 1.951 m η = 3.8	x: 0 m η = 32.5	η = 4.6	x: 0 m η = 0.6	x: 1.951 m η = 5.8	x: 0 m η = 33.8	x: 1.951 m η = 0.3	x: 0 m η = 11.6	x: 0 m η = 28.5	x: 0 m η = 43.2	x: 0 m η = 40.1	**CUMPLE** **η = 43.2**
N550/N549	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.943 m η = 4.4	x: 0 m η = 10.3	η = 2.3	x: 1.944 m η = 7.9	x: 0 m η = 27.1	x: 0.778 m η = 4.0	x: 0 m η = 0.5	x: 1.944 m η = 9.1	x: 0 m η = 27.2	x: 1.944 m η = 0.8	x: 0 m η = 7.5	x: 1.944 m η = 28.6	x: 1.944 m η = 43.7	x: 1.944 m η = 42.5	**CUMPLE** **η = 43.7**
N549/N548	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.941 m η = 5.6	x: 0 m η = 11.9	η = 4.6	x: 0.194 m η = 11.6	x: 0 m η = 23.4	x: 0.777 m η = 3.6	x: 0 m η = 0.2	x: 0.194 m η = 14.2	x: 0 m η = 25.9	x: 0.194 m η = 2.0	x: 0 m η = 6.8	x: 0 m η = 32.0	x: 0 m η = 50.1	x: 0 m η = 44.7	**CUMPLE** **η = 50.1**
N548/N547	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.939 m η = 6.5	x: 0 m η = 13.1	η = 9.2	x: 0 m η = 17.6	x: 1.94 m η = 23.1	x: 0.582 m η = 3.5	x: 1.939 m η = 1.2	x: 0 m η = 22.9	x: 1.94 m η = 28.2	x: 0 m η = 5.2	x: 1.94 m η = 8.1	x: 0 m η = 37.9	x: 0 m η = 60.1	x: 0 m η = 49.6	**CUMPLE** **η = 60.1**
N547/N545	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.221 m η = 7.3	x: 2.221 m η = 20.2	x: 2.221 m η = 10.6	x: 3.948 m η = 16.5	x: 0 m η = 14.6	x: 2.467 m η = 1.1	x: 3.947 m η = 1.1	x: 3.948 m η = 22.0	x: 0 m η = 16.2	x: 3.948 m η = 4.8	x: 0 m η = 2.6	x: 3.948 m η = 30.2	x: 3.948 m η = 55.9	x: 3.948 m η = 43.2	**CUMPLE** **η = 55.9**
N545/N544	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.941 m η = 7.6	x: 0 m η = 14.2	η = 5.3	x: 0 m η = 17.5	x: 0 m η = 18.7	x: 0.777 m η = 2.6	x: 0 m η = 1.2	x: 0 m η = 18.3	x: 0 m η = 19.8	x: 0 m η = 3.4	x: 0 m η = 4.0	x: 0 m η = 26.6	x: 0 m η = 40.4	x: 0 m η = 37.1	**CUMPLE** **η = 40.4**
N544/N543	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.934 m η = 8.5	x: 0.063 m η = 15.2	η = 4.1	x: 0.063 m η = 7.9	x: 1.935 m η = 15.7	η = 2.4	x: 0.063 m η = 0.5	x: 0.063 m η = 9.5	x: 0.063 m η = 16.6	x: 0.063 m η = 0.9	x: 0.063 m η = 2.8	x: 1.935 m η = 26.4	x: 1.935 m η = 37.7	x: 0.063 m η = 35.9	**CUMPLE** **η = 37.7**
N543/N542	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.938 m η = 9.5	x: 1.938 m η = 16.3	η = 4.8	x: 1.938 m η = 8.7	x: 1.938 m η = 15.3	x: 0.062 m η = 2.3	x: 0.062 m η = 0.8	x: 0.062 m η = 10.6	x: 1.938 m η = 15.8	x: 0.062 m η = 1.1	x: 1.938 m η = 2.5	x: 1.938 m η = 27.2	x: 1.938 m η = 37.2	x: 1.938 m η = 36.3	**CUMPLE** **η = 37.2**
N542/N541	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.939 m η = 9.9	x: 1.939 m η = 16.7	η = 5.0	x: 0.061 m η = 9.2	x: 1.939 m η = 13.3	x: 1.751 m η = 2.0	x: 0.061 m η = 1.0	x: 0.061 m η = 11.3	x: 0.061 m η = 15.6	x: 0.061 m η = 1.3	x: 0.061 m η = 2.5	x: 0.061 m η = 23.8	x: 1.939 m η = 33.0	x: 1.939 m η = 33.4	**CUMPLE** **η = 33.4**
N541/N540	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.375 m η = 10.3	x: 1.375 m η = 17.1	η = 3.8	x: 1.939 m η = 5.9	x: 1.939 m η = 13.3	x: 0.437 m η = 2.0	x: 0.061 m η = 0.3	x: 1.939 m η = 7.6	x: 1.939 m η = 15.3	x: 1.939 m η = 0.6	x: 1.939 m η = 2.4	x: 1.939 m η = 20.6	x: 1.939 m η = 29.1	x: 1.939 m η = 29.2	**CUMPLE** **η = 29.2**
N539/N540	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.211 m η = 10.3	x: 2.211 m η = 18.2	x: 1.429 m η = 3.7	x: 0.06 m η = 7.2	x: 0.06 m η = 11.8	x: 1.038 m η = 1.5	x: 2.406 m η = 0.7	x: 0.06 m η = 8.8	x: 2.407 m η = 13.6	x: 0.06 m η = 0.8	x: 2.407 m η = 1.9	x: 0.06 m η = 21.1	x: 0.06 m η = 27.0	x: 2.407 m η = 26.4	**CUMPLE** **η = 27.0**
N538/N539	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.624 m η = 9.9	x: 0.624 m η = 16.7	η = 5.4	x: 1.939 m η = 9.8	x: 0.061 m η = 13.0	x: 0.249 m η = 2.0	x: 0.061 m η = 0.9	x: 1.939 m η = 12.9	x: 0.061 m η = 15.8	x: 1.939 m η = 1.7	x: 0.061 m η = 2.5	x: 1.939 m η = 29.1	x: 1.939 m η = 37.5	x: 1.939 m η = 31.5	**CUMPLE** **η = 37.5**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N537/N538	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.938 m η = 9.1	x: 0.061 m η = 15.7	η = 6.2	x: 0.061 m η = 7.5	x: 1.939 m η = 14.0	x: 0.624 m η = 2.0	x: 0.061 m η = 0.8	x: 1.939 m η = 10.3	x: 0.061 m η = 16.4	x: 1.939 m η = 1.1	x: 0.061 m η = 2.7	x: 0.061 m η = 23.4	x: 1.939 m η = 28.8	x: 1.939 m η = 25.1	**CUMPLE** **η = 28.8**
N536/N537	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.563 m η = 9.3	x: 1.563 m η = 16.0	η = 6.0	x: 0.062 m η = 8.1	x: 1.938 m η = 16.1	x: 0.437 m η = 2.4	x: 0.062 m η = 0.8	x: 0.062 m η = 11.0	x: 1.938 m η = 16.6	x: 0.062 m η = 1.2	x: 1.938 m η = 2.8	x: 0.062 m η = 23.6	x: 1.75 m η = 30.6	x: 1.75 m η = 30.9	**CUMPLE** **η = 30.9**
N535/N536	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.934 m η = 8.8	x: 0.063 m η = 15.6	η = 5.2	x: 0.063 m η = 10.6	x: 0.063 m η = 16.9	x: 0.812 m η = 2.7	x: 0.063 m η = 0.7	x: 0.063 m η = 12.9	x: 0.063 m η = 17.6	x: 0.063 m η = 1.7	x: 0.063 m η = 3.2	x: 1.935 m η = 27.3	x: 1.935 m η = 38.9	x: 1.935 m η = 35.8	**CUMPLE** **η = 38.9**
N534/N535	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.194 m η = 8.2	x: 0.194 m η = 14.9	η = 5.6	x: 1.942 m η = 10.4	x: 0 m η = 16.9	x: 0.777 m η = 2.4	x: 0 m η = 0.6	x: 1.942 m η = 13.4	x: 0 m η = 19.0	x: 1.942 m η = 1.8	x: 0 m η = 3.7	x: 1.942 m η = 25.2	x: 0 m η = 37.6	x: 0 m η = 32.6	**CUMPLE** **η = 37.6**
N533/N534	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.97 m η = 8.1	x: 0.97 m η = 15.0	η = 9.1	x: 1.941 m η = 12.9	x: 0 m η = 16.1	x: 1.164 m η = 2.4	x: 1.94 m η = 1.3	x: 1.941 m η = 18.1	x: 0 m η = 17.4	x: 1.941 m η = 3.3	x: 0 m η = 3.1	x: 0 m η = 29.3	x: 1.941 m η = 44.0	x: 1.941 m η = 34.9	**CUMPLE** **η = 44.0**
N532/N533	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.939 m η = 7.9	x: 1.939 m η = 14.8	x: 1.939 m η = 10.4	x: 0 m η = 10.9	x: 0 m η = 17.8	η = 2.6	x: 1.939 m η = 1.1	x: 0 m η = 16.6	x: 1.94 m η = 22.8	x: 0 m η = 2.8	x: 1.94 m η = 5.3	x: 0 m η = 33.5	x: 0 m η = 50.8	x: 0 m η = 40.4	**CUMPLE** **η = 50.8**
N531/N532	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.939 m η = 6.9	x: 0 m η = 13.6	η = 8.4	x: 0 m η = 16.8	x: 1.94 m η = 20.5	x: 0.582 m η = 3.2	x: 1.939 m η = 1.2	x: 0 m η = 21.5	x: 1.94 m η = 24.9	x: 0 m η = 4.6	x: 1.94 m η = 6.3	x: 0 m η = 35.0	x: 0 m η = 56.4	x: 0 m η = 47.5	**CUMPLE** **η = 56.4**
N530/N531	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.941 m η = 6.2	x: 0 m η = 12.6	η = 4.6	x: 0 m η = 12.3	x: 0 m η = 23.8	x: 0.777 m η = 3.6	x: 0 m η = 0.5	x: 0 m η = 15.0	x: 0 m η = 25.7	x: 0 m η = 2.2	x: 0 m η = 6.7	x: 0 m η = 34.5	x: 0 m η = 52.5	x: 0 m η = 46.8	**CUMPLE** **η = 52.5**
N529/N530	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.943 m η = 5.2	x: 0 m η = 11.2	x: 0 m η = 5.3	x: 1.944 m η = 8.4	x: 0 m η = 27.8	x: 0.389 m η = 4.1	x: 0 m η = 0.9	x: 1.944 m η = 10.3	x: 0 m η = 28.0	x: 1.944 m η = 1.1	x: 0 m η = 8.0	x: 0 m η = 30.3	x: 1.944 m η = 44.7	x: 1.944 m η = 44.2	**CUMPLE** **η = 44.7**
N528/N529	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.95 m η = 3.8	x: 0 m η = 9.9	η = 4.7	x: 0 m η = 4.1	x: 0 m η = 32.2	η = 4.5	x: 0 m η = 0.6	x: 0 m η = 6.7	x: 0 m η = 33.7	x: 0 m η = 0.5	x: 0 m η = 11.5	x: 0 m η = 29.0	x: 0 m η = 44.2	x: 0 m η = 41.1	**CUMPLE** **η = 44.2**
N527/N528	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.957 m η = 4.4	x: 0 m η = 9.6	η = 4.1	x: 0 m η = 8.6	x: 0 m η = 37.3	x: 0 m η = 4.9	x: 0 m η = 0.7	x: 0 m η = 10.3	x: 0 m η = 39.3	x: 0 m η = 1.1	x: 0 m η = 15.7	x: 0 m η = 35.3	x: 0 m η = 51.0	x: 0 m η = 44.8	**CUMPLE** **η = 51.0**
N526/N527	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.179 m η = 4.7	x: 1.179 m η = 9.5	η = 2.8	x: 0 m η = 10.0	x: 0 m η = 26.9	x: 1.179 m η = 3.5	x: 0 m η = 0.3	x: 0 m η = 11.5	x: 0 m η = 27.7	x: 0 m η = 1.3	x: 0 m η = 7.8	x: 1.965 m η = 23.4	x: 0 m η = 32.6	x: 0 m η = 29.1	**CUMPLE** **η = 32.6**
N554/N555	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.964 m η = 2.3	x: 0 m η = 8.7	η = 3.3	x: 0 m η = 11.0	x: 0 m η = 26.6	x: 1.179 m η = 3.6	x: 0 m η = 0.3	x: 0 m η = 13.0	x: 0 m η = 27.4	x: 0 m η = 1.7	x: 0 m η = 7.6	x: 0 m η = 26.2	x: 0 m η = 31.8	x: 0 m η = 28.9	**CUMPLE** **η = 31.8**
N555/N556	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.957 m η = 2.4	x: 0 m η = 9.7	η = 4.4	x: 0 m η = 10.4	x: 0 m η = 35.0	x: 0.196 m η = 4.7	x: 0 m η = 0.7	x: 0 m η = 13.0	x: 0 m η = 36.7	x: 0 m η = 1.7	x: 0 m η = 13.6	x: 0 m η = 32.4	x: 0 m η = 46.8	x: 0 m η = 41.8	**CUMPLE** **η = 46.8**
N556/N557	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.95 m η = 2.9	x: 0 m η = 10.4	η = 6.2	x: 0 m η = 6.4	x: 0 m η = 32.1	η = 4.5	x: 0 m η = 0.7	x: 0 m η = 10.0	x: 0 m η = 33.8	x: 0 m η = 1.0	x: 0 m η = 11.7	x: 0 m η = 29.3	x: 0 m η = 43.9	x: 0 m η = 40.5	**CUMPLE** **η = 43.9**
N557/N558	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.943 m η = 4.4	x: 0 m η = 11.0	η = 6.3	x: 1.944 m η = 8.8	x: 0 m η = 27.1	x: 0.778 m η = 4.0	x: 0 m η = 0.9	x: 1.944 m η = 12.5	x: 0 m η = 27.4	x: 1.944 m η = 1.6	x: 0 m η = 7.7	x: 0 m η = 29.9	x: 1.944 m η = 43.8	x: 1.944 m η = 43.1	**CUMPLE** **η = 43.8**
N558/N559	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.941 m η = 5.7	x: 0 m η = 12.3	x: 0.194 m η = 7.1	x: 1.359 m η = 18.1	x: 0 m η = 23.6	x: 0.777 m η = 3.6	x: 0 m η = 2.4	x: 1.359 m η = 19.4	x: 0 m η = 25.8	x: 1.359 m η = 3.8	x: 0 m η = 6.8	x: 0 m η = 33.8	x: 0 m η = 51.5	x: 0 m η = 45.6	**CUMPLE** **η = 51.5**
N559/N560	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.939 m η = 6.8	x: 0 m η = 13.7	η = 10.4	x: 1.94 m η = 20.3	x: 1.94 m η = 23.7	x: 0.582 m η = 3.6	x: 1.94 m η = 2.9	x: 0 m η = 25.1	x: 1.94 m η = 28.9	x: 0 m η = 6.3	x: 1.94 m η = 8.4	x: 1.94 m η = 36.8	x: 0 m η = 61.4	x: 0 m η = 50.6	**CUMPLE** **η = 61.4**
N560/N561	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 2.221 m η = 7.1	x: 2.221 m η = 20.1	x: 0.247 m η = 10.8	x: 0 m η = 22.0	x: 0 m η = 14.6	x: 2.467 m η = 1.1	x: 3.947 m η = 1.2	x: 0 m η = 23.8	x: 0 m η = 16.5	x: 0 m η = 5.7	x: 0 m η = 2.7	x: 0 m η = 30.8	x: 0 m η = 57.6	x: 0 m η = 43.9	**CUMPLE** **η = 57.6**
N561/N562	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.941 m η = 7.4	x: 0 m η = 14.2	η = 5.5	x: 0 m η = 12.3	x: 0 m η = 18.5	x: 0.777 m η = 2.6	x: 0 m η = 0.6	x: 0 m η = 14.8	x: 0 m η = 19.7	x: 0 m η = 2.2	x: 0 m η = 4.0	x: 0 m η = 24.6	x: 0 m η = 40.8	x: 0 m η = 35.8	**CUMPLE** **η = 40.8**
N562/N563	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.934 m η = 8.4	x: 0.063 m η = 15.3	η = 5.1	x: 0.063 m η = 9.7	x: 1.935 m η = 15.6	η = 2.4	x: 0.063 m η = 0.8	x: 0.063 m η = 12.3	x: 1.935 m η = 16.3	x: 0.063 m η = 1.5	x: 1.935 m η = 2.7	x: 1.935 m η = 25.1	x: 0.063 m η = 37.3	x: 0.063 m η = 36.7	**CUMPLE** **η = 37.3**
N563/N564	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.938 m η = 9.3	x: 1.938 m η = 16.3	η = 5.6	x: 1.938 m η = 9.8	x: 1.938 m η = 15.3	x: 0.062 m η = 2.3	x: 0.062 m η = 0.9	x: 1.938 m η = 10.6	x: 0.062 m η = 17.6	x: 1.938 m η = 1.1	x: 0.062 m η = 3.1	x: 1.938 m η = 28.2	x: 1.938 m η = 36.5	x: 1.938 m η = 36.3	**CUMPLE** **η = 36.5**
N564/N565	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.939 m η = 10.0	x: 1.939 m η = 17.0	η = 5.4	x: 1 m η = 13.5	x: 0.061 m η = 17.3	x: 1.188 m η = 2.5	x: 0.061 m η = 2.6	x: 1 m η = 13.8	x: 0.061 m η = 20.1	x: 1 m η = 1.9	x: 0.061 m η = 4.1	x: 0.061 m η = 29.5	x: 0.061 m η = 39.1	x: 0.061 m η = 32.9	**CUMPLE** **η = 39.1**
N565/N566	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.375 m η = 10.2	x: 1.375 m η = 17.2	η = 4.7	x: 1.939 m η = 7.0	x: 0.061 m η = 18.5	x: 1.188 m η = 2.8	x: 1.938 m η = 0.7	x: 1.939 m η = 9.4	x: 0.061 m η = 20.7	x: 1.939 m η = 0.9	x: 0.061 m η = 4.4	x: 1.939 m η = 25.8	x: 1.939 m η = 36.6	x: 1.939 m η = 31.7	**CUMPLE** **η = 36.6**
N567/N566	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 2.211 m η = 10.1	x: 2.211 m η = 18.2	η = 3.8	x: 0.06 m η = 9.3	x: 0.06 m η = 18.1	x: 1.038 m η = 2.2	x: 0.06 m η = 0.8	x: 0.06 m η = 10.2	x: 0.06 m η = 19.7	x: 0.06 m η = 1.1	x: 0.06 m η = 3.9	x: 0.06 m η = 28.2	x: 0.06 m η = 34.6	x: 0.06 m η = 30.8	**CUMPLE** **η = 34.6**
N568/N567	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.938 m η = 9.1	x: 0.061 m η = 15.9	η = 5.4	x: 1.939 m η = 11.1	x: 0.061 m η = 16.7	x: 1.375 m η = 2.5	x: 0.061 m η = 0.9	x: 1.939 m η = 13.7	x: 0.061 m η = 19.7	x: 1.939 m η = 1.9	x: 0.061 m η = 4.0	x: 1.939 m η = 32.0	x: 1.939 m η = 40.8	x: 1.939 m η = 35.9	**CUMPLE** **η = 40.8**
N569/N568	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.812 m η = 9.0	x: 0.812 m η = 15.9	η = 6.4	x: 1.939 m η = 8.2	x: 0.061 m η = 17.3	x: 1.751 m η = 2.5	x: 0.061 m η = 0.8	x: 0.061 m η = 10.5	x: 0.061 m η = 20.7	x: 0.061 m η = 1.1	x: 0.061 m η = 4.3	x: 0.061 m η = 28.0	x: 1.939 m η = 33.5	x: 1.939 m η = 26.8	**CUMPLE** **η = 33.5**
N570/N569	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.563 m η = 9.3	x: 1.563 m η = 16.2	η = 6.6	x: 0.062 m η = 7.4	x: 1.938 m η = 16.3	x: 0.625 m η = 2.5	x: 0.062 m η = 0.8	x: 0.062 m η = 10.7	x: 0.062 m η = 17.6	x: 0.062 m η = 1.2	x: 0.062 m η = 3.1	x: 0.062 m η = 26.4	x: 1.75 m η = 31.6	x: 1.75 m η = 31.4	**CUMPLE** **η = 31.6**
N571/N570	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.934 m η = 8.7	x: 0.063 m η = 15.6	η = 5.6	x: 0.063 m η = 10.9	x: 0.063 m η = 16.8	x: 0.812 m η = 2.7	x: 0.063 m η = 0.8	x: 0.063 m η = 13.5	x: 0.063 m η = 17.5	x: 0.063 m η = 1.8	x: 0.063 m η = 3.1	x: 1.935 m η = 25.3	x: 1.935 m η = 37.1	x: 1.935 m η = 34.1	**CUMPLE** **η = 37.1**
N572/N571	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.941 m η = 8.1	x: 0 m η = 15.0	η = 6.2	x: 0 m η = 10.8	x: 0 m η = 16.8	x: 0.777 m η = 2.4	x: 0 m η = 0.5	x: 1.942 m η = 13.0	x: 0 m η = 18.6	x: 1.942 m η = 1.7	x: 0 m η = 3.5	x: 1.942 m η = 29.9	x: 1.942 m η = 43.2	x: 1.942 m η = 37.1	**CUMPLE** **η = 43.2**
N573/N572	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.97 m η = 8.1	x: 0.97 m η = 15.1	x: 0.97 m η = 8.9	x: 1.941 m η = 12.7	x: 0 m η = 16.3	x: 0.194 m η = 2.5	x: 1.94 m η = 1.2	x: 1.941 m η = 17.8	x: 0 m η = 17.5	x: 1.941 m η = 3.2	x: 0 m η = 3.1	x: 0 m η = 28.5	x: 1.941 m η = 43.4	x: 1.941 m η = 34.5	**CUMPLE** **η = 43.4**
N574/N573	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.939 m η = 7.9	x: 1.939 m η = 14.9	x: 1.939 m η = 10.4	x: 0 m η = 10.6	x: 0 m η = 17.6	η = 2.6	x: 1.939 m η = 1.1	x: 0 m η = 16.2	x: 1.94 m η = 23.0	x: 0 m η = 2.6	x: 1.94 m η = 5.4	x: 0 m η = 32.8	x: 0 m η = 50.4	x: 0 m η = 40.3	**CUMPLE** **η = 50.4**
N575/N574	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.939 m η = 6.8	x: 0 m η = 13.7	η = 8.4	x: 0 m η = 16.8	x: 0 m η = 20.8	x: 0.582 m η = 3.2	x: 1.939 m η = 1.1	x: 0 m η = 21.5	x: 0 m η = 25.0	x: 0 m η = 4.6	x: 0 m η = 6.4	x: 0 m η = 34.3	x: 0 m η = 56.1	x: 0 m η = 47.4	**CUMPLE** **η = 56.1**
N576/N575	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.941 m η = 6.2	x: 0 m η = 12.7	x: 0.388 m η = 5.3	x: 0 m η = 11.7	x: 0 m η = 24.0	x: 0.777 m η = 3.7	x: 0 m η = 1.0	x: 0 m η = 14.2	x: 0 m η = 26.0	x: 0 m η = 2.0	x: 0 m η = 6.9	x: 0 m η = 33.1	x: 0 m η = 51.3	x: 0 m η = 46.1	**CUMPLE** **η = 51.3**
N577/N576	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.943 m η = 5.1	x: 0 m η = 11.2	η = 4.7	x: 1.944 m η = 8.0	x: 0 m η = 27.7	x: 0.778 m η = 4.1	x: 0 m η = 0.5	x: 1.944 m η = 9.1	x: 0 m η = 27.9	x: 1.944 m η = 0.8	x: 0 m η = 8.0	x: 0 m η = 29.0	x: 1.944 m η = 44.3	x: 1.944 m η = 43.8	**CUMPLE** **η = 44.3**
N578/N577	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.78 m η = 5.4	x: 0.78 m η = 11.4	x: 0.195 m η = 5.3	x: 0 m η = 6.3	x: 0 m η = 32.7	η = 4.6	x: 0 m η = 0.8	x: 0 m η = 9.3	x: 0 m η = 34.6	x: 0 m η = 0.9	x: 0 m η = 12.2	x: 0 m η = 30.1	x: 0 m η = 45.2	x: 0 m η = 42.3	**CUMPLE** **η = 45.2**
N579/N578	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.957 m η = 5.7	x: 0 m η = 11.4	η = 4.5	x: 0 m η = 8.6	x: 0 m η = 36.5	η = 4.8	x: 0 m η = 0.7	x: 0 m η = 10.8	x: 0 m η = 38.5	x: 0 m η = 1.2	x: 0 m η = 15.1	x: 1.958 m η = 25.0	x: 0 m η = 49.4	x: 0 m η = 43.3	**CUMPLE** **η = 49.4**
N580/N579	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.179 m η = 5.7	x: 1.179 m η = 10.9	η = 2.7	x: 0 m η = 10.0	x: 0 m η = 27.2	x: 1.179 m η = 3.5	x: 0 m η = 0.3	x: 0 m η = 11.6	x: 0 m η = 28.0	x: 0 m η = 1.3	x: 0 m η = 8.0	x: 0 m η = 28.0	x: 0 m η = 33.0	x: 0 m η = 29.5	**CUMPLE** **η = 33.0**
N582/N554	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.293 m η = 3.0	x: 0 m η = 7.6	x: 1.293 m η = 2.2	x: 1.847 m η = 8.7	x: 0 m η = 20.1	x: 1.293 m η = 2.6	x: 1.846 m η = 0.6	x: 1.847 m η = 9.8	x: 0 m η = 20.4	x: 1.847 m η = 1.0	x: 0 m η = 4.2	x: 0 m η = 22.3	x: 0 m η = 32.0	x: 0 m η = 29.1	**CUMPLE** **η = 32.0**
N463/N582	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.712 m η = 5.9	x: 1.712 m η = 9.9	η = 1.8	x: 0.279 m η = 5.7	x: 0.279 m η = 10.8	η = 1.1	x: 1.916 m η = 0.9	x: 0.279 m η = 5.8	x: 0.279 m η = 11.6	x: 0.279 m η = 0.3	x: 0.279 m η = 1.4	x: 0.279 m η = 19.9	x: 0.279 m η = 24.1	x: 0.279 m η = 22.9	**CUMPLE** **η = 24.1**
N583/N553	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.293 m η = 3.1	x: 0 m η = 7.0	x: 1.293 m η = 2.1	x: 1.847 m η = 8.1	x: 0 m η = 20.1	x: 1.293 m η = 2.6	x: 1.846 m η = 0.6	x: 1.847 m η = 8.9	x: 0 m η = 20.5	x: 1.847 m η = 0.8	x: 0 m η = 4.2	x: 0 m η = 22.4	x: 0 m η = 31.6	x: 0 m η = 28.8	**CUMPLE** **η = 31.6**
N72/N583	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.712 m η = 6.0	x: 1.712 m η = 9.8	x: 0.689 m η = 1.8	x: 0.279 m η = 6.0	x: 0.279 m η = 11.1	η = 1.1	x: 1.916 m η = 0.9	x: 0.279 m η = 6.2	x: 0.279 m η = 12.0	x: 0.279 m η = 0.4	x: 0.279 m η = 1.4	x: 0.279 m η = 20.4	x: 0.279 m η = 24.2	x: 0.279 m η = 23.0	**CUMPLE** **η = 24.2**
N584/N580	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.846 m η = 5.4	x: 0 m η = 9.9	x: 1.108 m η = 2.1	x: 1.847 m η = 8.1	x: 0 m η = 20.3	x: 1.293 m η = 2.7	x: 1.846 m η = 0.5	x: 1.847 m η = 9.0	x: 0 m η = 20.5	x: 1.847 m η = 0.8	x: 0 m η = 4.3	x: 0 m η = 21.6	x: 0 m η = 31.0	x: 0 m η = 28.3	**CUMPLE** **η = 31.0**
N525/N584	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.726 m η = 6.6	x: 1.726 m η = 10.8	x: 1.932 m η = 1.9	x: 0.281 m η = 5.4	x: 0.281 m η = 11.4	η = 1.2	x: 1.932 m η = 0.8	x: 0.281 m η = 5.5	x: 0.281 m η = 12.2	x: 0.281 m η = 0.3	x: 0.281 m η = 1.5	x: 0.281 m η = 20.3	x: 0.281 m η = 24.6	x: 0.281 m η = 23.4	**CUMPLE** **η = 24.6**
N585/N526	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.846 m η = 4.4	x: 0 m η = 8.6	x: 1.108 m η = 2.1	x: 1.847 m η = 8.1	x: 0 m η = 20.2	x: 1.293 m η = 2.7	x: 1.846 m η = 0.6	x: 1.847 m η = 9.0	x: 0 m η = 20.5	x: 1.847 m η = 0.8	x: 0 m η = 4.3	x: 0 m η = 21.5	x: 0 m η = 30.7	x: 0 m η = 28.0	**CUMPLE** **η = 30.7**
N134/N585	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 1.52 m η = 5.9	x: 1.52 m η = 9.8	x: 1.932 m η = 1.9	x: 0.281 m η = 5.6	x: 0.281 m η = 11.7	η = 1.2	x: 1.932 m η = 0.9	x: 0.281 m η = 5.8	x: 0.281 m η = 12.6	x: 0.281 m η = 0.3	x: 0.281 m η = 1.6	x: 0.281 m η = 20.8	x: 0.281 m η = 25.0	x: 0.281 m η = 23.6	**CUMPLE** **η = 25.0**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N583/N74	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.4	η = 1.6	η = 2.4	x: 0.515 m η = 8.9	x: 0.515 m η = 25.1	η = 13.7	x: 0.515 m η = 2.6	x: 0.515 m η = 9.1	x: 0.515 m η = 26.0	x: 0.515 m η = 0.9	x: 0.515 m η = 8.6	x: 0.515 m η = 24.2	x: 0.515 m η = 31.8	x: 0.515 m η = 28.3	**CUMPLE η = 31.8**
N74/N205	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.083 m η = 0.9	x: 3.083 m η = 2.7	η = 0.8	x: 5.415 m η = 29.8	x: 5.415 m η = 25.6	x: 2.75 m η = 1.4	x: 5.415 m η = 4.6	x: 5.415 m η = 29.9	x: 5.415 m η = 25.7	x: 5.415 m η = 9.1	x: 5.415 m η = 6.6	x: 0.085 m η = 36.0	x: 5.415 m η = 40.0	x: 5.415 m η = 37.5	**CUMPLE η = 40.0**
N205/N335	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.75 m η = 0.4	x: 2.75 m η = 1.1	η = 0.1	x: 5.415 m η = 27.8	x: 0.085 m η = 26.2	x: 3.083 m η = 1.4	x: 5.415 m η = 4.4	x: 5.415 m η = 27.8	x: 0.085 m η = 26.3	x: 5.415 m η = 7.9	x: 0.085 m η = 6.9	x: 5.415 m η = 35.7	x: 0.085 m η = 36.8	x: 0.085 m η = 34.0	**CUMPLE η = 36.8**
N335/N465	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.417 m η = 0.9	x: 2.417 m η = 2.8	η = 0.8	x: 0.085 m η = 29.6	x: 0.085 m η = 25.5	x: 2.75 m η = 1.4	x: 0.085 m η = 4.6	x: 0.085 m η = 29.7	x: 0.085 m η = 25.6	x: 0.085 m η = 9.0	x: 0.085 m η = 6.6	x: 5.415 m η = 36.1	x: 0.085 m η = 39.8	x: 0.085 m η = 37.4	**CUMPLE η = 39.8**
N465/N582	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.4	η = 1.6	η = 2.5	x: 0.085 m η = 9.4	x: 0.085 m η = 25.1	η = 13.7	x: 0.085 m η = 2.7	x: 0.085 m η = 9.8	x: 0.085 m η = 26.0	x: 0.085 m η = 1.0	x: 0.085 m η = 8.6	x: 0.085 m η = 24.4	x: 0.085 m η = 31.8	x: 0.085 m η = 28.4	**CUMPLE η = 31.8**
N523/N584	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.311 m η = 1.4	x: 0.311 m η = 1.6	x: 0.311 m η = 2.4	x: 0.085 m η = 9.6	x: 0.085 m η = 24.5	x: 0.311 m η = 13.7	x: 0.085 m η = 2.8	x: 0.085 m η = 9.9	x: 0.085 m η = 25.3	x: 0.085 m η = 1.1	x: 0.085 m η = 8.2	x: 0.085 m η = 24.3	x: 0.085 m η = 30.6	x: 0.085 m η = 27.3	**CUMPLE η = 30.6**
N585/N132	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.289 m η = 1.4	x: 0.289 m η = 1.6	x: 0.289 m η = 2.3	x: 0.515 m η = 9.3	x: 0.515 m η = 24.5	x: 0.289 m η = 13.7	x: 0.515 m η = 2.8	x: 0.515 m η = 9.6	x: 0.515 m η = 25.4	x: 0.515 m η = 1.0	x: 0.515 m η = 8.2	x: 0.515 m η = 24.2	x: 0.515 m η = 30.7	x: 0.515 m η = 27.4	**CUMPLE η = 30.7**
N132/N263	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.7	η = 1.0	x: 5.415 m η = 30.0	x: 5.415 m η = 25.9	x: 2.75 m η = 1.5	x: 5.415 m η = 4.6	x: 5.415 m η = 30.0	x: 5.415 m η = 26.0	x: 5.415 m η = 9.2	x: 5.415 m η = 6.8	x: 0.085 m η = 36.9	x: 5.415 m η = 40.8	x: 5.415 m η = 38.3	**CUMPLE η = 40.8**
N263/N393	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 2.0	η = 0.1	x: 5.415 m η = 27.9	x: 0.085 m η = 27.7	x: 3.083 m η = 1.5	x: 5.415 m η = 4.4	x: 5.415 m η = 28.0	x: 0.085 m η = 27.7	x: 5.415 m η = 8.0	x: 0.085 m η = 7.7	x: 0.085 m η = 38.2	x: 5.415 m η = 38.6	x: 5.415 m η = 35.8	**CUMPLE η = 38.6**
N393/N523	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.7	η = 1.0	x: 0.085 m η = 29.7	x: 0.085 m η = 25.9	x: 2.75 m η = 1.5	x: 0.085 m η = 4.6	x: 0.085 m η = 29.8	x: 0.085 m η = 26.0	x: 0.085 m η = 9.1	x: 0.085 m η = 6.8	x: 5.415 m η = 36.9	x: 0.085 m η = 40.7	x: 0.085 m η = 38.2	**CUMPLE η = 40.7**
N526/N130	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.1	η = 1.0	η = 2.5	x: 1.015 m η = 20.0	x: 1.015 m η = 38.2	x: 1.014 m η = 11.3	x: 1.015 m η = 3.8	x: 1.015 m η = 21.5	x: 1.015 m η = 38.2	x: 1.015 m η = 4.8	x: 1.015 m η = 15.9	x: 1.015 m η = 37.3	x: 1.015 m η = 52.7	x: 1.015 m η = 49.0	**CUMPLE η = 52.7**
N130/N261	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.0	η = 1.2	x: 5.415 m η = 29.8	x: 5.415 m η = 34.5	x: 3.083 m η = 1.9	x: 5.415 m η = 4.6	x: 5.415 m η = 29.8	x: 5.415 m η = 34.6	x: 5.415 m η = 9.1	x: 5.415 m η = 12.0	x: 0.085 m η = 55.5	x: 5.415 m η = 57.2	x: 5.415 m η = 53.2	**CUMPLE η = 57.2**
N261/N391	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.5	η = 0.1	x: 0.085 m η = 28.4	x: 5.415 m η = 36.4	x: 3.083 m η = 2.0	x: 0.085 m η = 4.5	x: 0.085 m η = 28.4	x: 5.415 m η = 36.4	x: 0.085 m η = 8.3	x: 5.415 m η = 13.3	x: 0.085 m η = 54.0	x: 5.415 m η = 54.4	x: 5.415 m η = 50.4	**CUMPLE η = 54.4**
N391/N521	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 1.8	η = 1.3	x: 0.085 m η = 29.2	x: 0.085 m η = 34.6	x: 2.417 m η = 1.9	x: 0.085 m η = 4.6	x: 0.085 m η = 29.3	x: 0.085 m η = 34.6	x: 0.085 m η = 8.8	x: 0.085 m η = 12.0	x: 5.415 m η = 55.8	x: 0.085 m η = 56.1	x: 5.415 m η = 52.6	**CUMPLE η = 56.1**
N521/N580	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.1	η = 1.0	η = 2.6	x: 0.085 m η = 20.5	x: 0.085 m η = 38.8	x: 0.086 m η = 11.5	x: 0.085 m η = 3.9	x: 0.085 m η = 22.0	x: 0.085 m η = 38.9	x: 0.085 m η = 5.0	x: 0.085 m η = 16.4	x: 0.085 m η = 38.1	x: 0.085 m η = 53.7	x: 0.085 m η = 49.9	**CUMPLE η = 53.7**
N527/N128	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 0.9	η = 3.2	x: 1.365 m η = 30.7	x: 1.365 m η = 54.0	x: 0.713 m η = 11.9	x: 1.365 m η = 4.6	x: 1.365 m η = 31.5	x: 1.365 m η = 55.4	x: 1.365 m η = 10.2	x: 1.365 m η = 32.0	x: 1.365 m η = 58.7	x: 1.365 m η = 82.7	x: 1.365 m η = 74.3	**CUMPLE η = 82.7**
N128/N259	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 1.1	η = 1.2	x: 5.415 m η = 29.5	x: 5.415 m η = 46.0	x: 3.083 m η = 2.5	x: 5.415 m η = 4.7	x: 5.415 m η = 29.6	x: 5.415 m η = 46.1	x: 5.415 m η = 9.0	x: 5.415 m η = 21.3	x: 0.085 m η = 73.1	x: 5.415 m η = 72.4	x: 0.085 m η = 68.2	**CUMPLE η = 73.1**
N259/N389	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.9	η = 0.1	x: 0.085 m η = 28.9	x: 5.415 m η = 47.9	x: 3.083 m η = 2.7	x: 0.085 m η = 4.6	x: 5.415 m η = 23.5	x: 5.415 m η = 47.9	x: 0.085 m η = 8.6	x: 5.415 m η = 23.0	x: 5.415 m η = 71.3	x: 0.085 m η = 71.3	x: 5.415 m η = 66.2	**CUMPLE η = 71.3**
N389/N519	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.0	η = 1.2	x: 5.415 m η = 29.8	x: 5.415 m η = 46.7	η = 2.6	x: 5.415 m η = 4.7	x: 5.415 m η = 29.9	x: 5.415 m η = 46.7	x: 5.415 m η = 9.1	x: 5.415 m η = 21.9	x: 5.415 m η = 73.8	x: 0.085 m η = 74.6	x: 5.415 m η = 69.8	**CUMPLE η = 74.6**
N519/N579	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 0.8	x: 0.954 m η = 0.9	η = 3.3	x: 0.085 m η = 31.3	x: 0.085 m η = 53.4	x: 0.737 m η = 11.9	x: 0.085 m η = 4.7	x: 0.085 m η = 32.1	x: 0.085 m η = 54.7	x: 0.085 m η = 10.6	x: 0.085 m η = 31.2	x: 0.085 m η = 57.2	x: 0.085 m η = 81.2	x: 0.085 m η = 73.0	**CUMPLE η = 81.2**
N529/N124	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.2	η = 4.6	x: 1.915 m η = 41.9	x: 0.061 m η = 49.0	x: 1.173 m η = 7.6	x: 1.915 m η = 5.0	x: 1.915 m η = 43.3	x: 0.061 m η = 49.7	x: 1.915 m η = 19.0	x: 0.061 m η = 25.3	x: 1.915 m η = 82.2	x: 1.915 m η = 20.9	x: 1.915 m η = 74.9	**CUMPLE η = 82.2**
N124/N255	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 1.0	η = 1.0	x: 0.085 m η = 35.8	x: 0.085 m η = 59.5	η = 3.2	x: 0.085 m η = 4.8	x: 0.085 m η = 35.8	x: 0.085 m η = 59.8	x: 0.085 m η = 13.1	x: 0.085 m η = 35.8	x: 5.415 m η = 82.9	x: 0.085 m η = 87.5	x: 0.085 m η = 80.5	**CUMPLE η = 87.5**
N255/N385	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.2	η = 0.1	x: 0.085 m η = 27.6	x: 5.415 m η = 58.3	x: 3.083 m η = 3.2	x: 0.085 m η = 4.6	x: 0.085 m η = 27.6	x: 5.415 m η = 58.3	x: 0.085 m η = 7.8	x: 5.415 m η = 34.1	x: 5.415 m η = 83.3	x: 0.085 m η = 83.4	x: 5.415 m η = 77.4	**CUMPLE η = 83.4**
N385/N515	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.6	η = 1.1	x: 5.415 m η = 36.8	x: 5.415 m η = 59.4	η = 3.2	x: 5.415 m η = 4.9	x: 5.415 m η = 36.8	x: 5.415 m η = 59.6	x: 5.415 m η = 13.8	x: 5.415 m η = 35.7	x: 5.415 m η = 87.4	x: 0.085 m η = 81.3	x: 5.415 m η = 80.5	**CUMPLE η = 87.4**
N515/N577	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.5	η = 4.3	x: 0.085 m η = 42.8	x: 1.939 m η = 48.8	x: 1.383 m η = 7.6	x: 0.085 m η = 5.1	x: 0.085 m η = 44.2	x: 1.939 m η = 49.6	x: 0.085 m η = 19.8	x: 1.939 m η = 25.2	x: 0.085 m η = 82.6	x: 0.085 m η = 59.2	x: 0.085 m η = 75.2	**CUMPLE η = 82.6**
N528/N126	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.4	η = 4.2	x: 1.665 m η = 35.7	x: 1.665 m η = 54.9	x: 0.863 m η = 10.2	x: 1.665 m η = 4.7	x: 1.665 m η = 37.4	x: 1.665 m η = 56.4	x: 1.665 m η = 14.2	x: 1.665 m η = 32.7	x: 1.665 m η = 64.7	x: 1.665 m η = 88.7	x: 1.665 m η = 79.0	**CUMPLE η = 88.7**
N126/N257	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 1.7	η = 1.1	x: 0.085 m η = 32.4	x: 0.085 m η = 55.3	x: 3.083 m η = 3.1	x: 0.085 m η = 4.7	x: 0.085 m η = 32.4	x: 0.085 m η = 55.4	x: 0.085 m η = 10.7	x: 0.085 m η = 30.8	x: 0.085 m η = 81.2	x: 5.415 m η = 79.9	x: 0.085 m η = 75.5	**CUMPLE η = 81.2**
N257/N387	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.2	η = 0.1	x: 0.085 m η = 28.2	x: 5.415 m η = 56.2	x: 3.083 m η = 3.1	x: 0.085 m η = 4.6	x: 5.415 m η = 24.4	x: 5.415 m η = 56.2	x: 0.085 m η = 8.2	x: 5.415 m η = 31.6	x: 0.085 m η = 80.1	x: 5.415 m η = 80.7	x: 5.415 m η = 74.7	**CUMPLE η = 80.7**
N387/N517	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 1.1	η = 1.2	x: 5.415 m η = 33.4	x: 5.415 m η = 55.3	x: 2.417 m η = 3.1	x: 5.415 m η = 4.8	x: 5.415 m η = 33.4	x: 5.415 m η = 55.4	x: 5.415 m η = 11.4	x: 5.415 m η = 30.8	x: 5.415 m η = 81.7	x: 0.085 m η = 77.2	x: 5.415 m η = 75.5	**CUMPLE η = 81.7**
N517/N578	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.3	η = 4.7	x: 0.085 m η = 36.5	x: 0.085 m η = 55.6	x: 0.887 m η = 10.2	x: 0.085 m η = 4.7	x: 0.085 m η = 38.2	x: 0.085 m η = 57.5	x: 0.085 m η = 14.8	x: 0.085 m η = 34.1	x: 0.085 m η = 65.9	x: 0.085 m η = 90.1	x: 0.085 m η = 80.0	**CUMPLE η = 90.1**
N530/N122	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.4	η = 4.1	x: 2.115 m η = 45.0	x: 0.061 m η = 41.9	x: 1.293 m η = 5.9	x: 2.115 m η = 5.2	x: 2.115 m η = 45.4	x: 0.061 m η = 42.8	x: 2.115 m η = 20.9	x: 0.061 m η = 18.6	x: 2.115 m η = 74.2	x: 2.115 m η = 74.3	x: 2.115 m η = 67.4	**CUMPLE η = 74.3**
N122/N253	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.0	η = 0.8	x: 0.085 m η = 37.4	x: 0.085 m η = 59.6	η = 3.3	x: 0.085 m η = 4.9	x: 0.085 m η = 37.4	x: 0.085 m η = 59.8	x: 0.085 m η = 14.2	x: 0.085 m η = 35.8	x: 0.085 m η = 88.8	x: 5.415 m η = 84.1	x: 0.085 m η = 81.9	**CUMPLE η = 88.8**
N253/N383	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.7	η = 0.1	x: 0.085 m η = 27.3	x: 5.415 m η = 57.4	x: 3.083 m η = 3.2	x: 0.085 m η = 4.6	x: 0.085 m η = 27.3	x: 5.415 m η = 57.4	x: 0.085 m η = 7.6	x: 5.415 m η = 33.1	x: 0.085 m η = 83.0	x: 5.415 m η = 83.7	x: 5.415 m η = 77.5	**CUMPLE η = 83.7**
N383/N513	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.4	η = 0.9	x: 5.415 m η = 38.2	x: 5.415 m η = 59.4	η = 3.2	x: 5.415 m η = 4.9	x: 5.415 m η = 38.2	x: 5.415 m η = 59.6	x: 5.415 m η = 14.8	x: 5.415 m η = 35.6	x: 0.085 m η = 83.3	x: 5.415 m η = 89.0	x: 5.415 m η = 82.1	**CUMPLE η = 89.0**
N513/N576	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 4.1	x: 0.085 m η = 45.8	x: 2.139 m η = 42.2	x: 0.907 m η = 5.9	x: 0.085 m η = 5.2	x: 0.085 m η = 46.1	x: 2.139 m η = 42.9	x: 0.085 m η = 21.5	x: 2.139 m η = 18.8	x: 2.139 m η = 54.1	x: 0.085 m η = 75.1	x: 0.085 m η = 68.2	**CUMPLE η = 75.1**
N531/N120	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 5.6	x: 2.315 m η = 42.8	x: 0.061 m η = 35.2	x: 1.376 m η = 4.6	x: 2.315 m η = 4.9	x: 2.315 m η = 43.8	x: 0.061 m η = 38.1	x: 2.315 m η = 19.4	x: 0.061 m η = 14.7	x: 2.315 m η = 64.7	x: 2.315 m η = 66.7	x: 2.315 m η = 56.5	**CUMPLE η = 66.7**
N120/N251	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.7	η = 0.5	x: 0.085 m η = 36.0	x: 5.415 m η = 55.8	η = 3.0	x: 0.085 m η = 4.8	x: 0.085 m η = 36.0	x: 5.415 m η = 56.0	x: 0.085 m η = 13.2	x: 5.415 m η = 31.4	x: 5.415 m η = 81.4	x: 0.085 m η = 88.5	x: 0.085 m η = 81.9	**CUMPLE η = 88.5**
N251/N381	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.9	η = 0.1	x: 0.085 m η = 27.3	x: 5.415 m η = 55.8	x: 2.417 m η = 3.1	x: 0.085 m η = 4.5	x: 0.085 m η = 27.3	x: 5.415 m η = 55.9	x: 0.085 m η = 7.7	x: 5.415 m η = 31.3	x: 5.415 m η = 81.4	x: 0.085 m η = 81.8	x: 0.085 m η = 75.8	**CUMPLE η = 81.8**
N381/N511	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.2	η = 0.6	x: 5.415 m η = 36.4	x: 0.085 m η = 55.9	η = 3.0	x: 5.415 m η = 4.8	x: 5.415 m η = 36.5	x: 0.085 m η = 56.1	x: 5.415 m η = 13.5	x: 0.085 m η = 31.6	x: 5.415 m η = 87.9	x: 0.085 m η = 82.7	x: 5.415 m η = 81.3	**CUMPLE η = 87.9**
N511/N575	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.5	η = 5.6	x: 0.085 m η = 43.1	x: 2.339 m η = 35.3	x: 1.024 m η = 4.6	x: 0.085 m η = 4.9	x: 0.085 m η = 44.4	x: 2.339 m η = 38.2	x: 0.085 m η = 20.0	x: 2.339 m η = 14.8	x: 0.085 m η = 67.3	x: 0.085 m η = 52.2	x: 0.085 m η = 57.2	**CUMPLE η = 67.3**
N532/N118	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.3	x: 1.697 m η = 8.3	x: 2.515 m η = 35.0	x: 2.515 m η = 35.1	x: 1.084 m η = 4.0	x: 2.515 m η = 4.3	x: 2.515 m η = 37.0	x: 2.515 m η = 38.9	x: 2.515 m η = 13.9	x: 2.515 m η = 15.3	x: 2.515 m η = 59.7	x: 0.061 m η = 46.8	x: 2.515 m η = 47.7	**CUMPLE η = 59.7**
N118/N249	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 2.2	η = 0.2	x: 0.085 m η = 39.1	x: 5.415 m η = 51.1	x: 2.75 m η = 2.8	x: 0.085 m η = 4.6	x: 0.085 m η = 39.2	x: 5.415 m η = 51.2	x: 0.085 m η = 15.4	x: 5.415 m η = 26.3	x: 0.085 m η = 85.7	x: 5.415 m η = 80.5	x: 0.085 m η = 80.0	**CUMPLE η = 85.7**
N249/N379	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.4	η = 0.1	x: 0.085 m η = 27.8	x: 5.415 m η = 56.0	η = 3.1	x: 0.085 m η = 4.5	x: 5.415 m η = 25.0	x: 5.415 m η = 56.1	x: 0.085 m η = 7.9	x: 5.415 m η = 31.5	x: 0.085 m η = 80.4	x: 5.415 m η = 81.6	x: 5.415 m η = 75.5	**CUMPLE η = 81.6**
N379/N509	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.8	η = 0.2	x: 5.415 m η = 39.2	x: 0.085 m η = 50.9	x: 1.751 m η = 2.8	x: 5.415 m η = 4.7	x: 5.415 m η = 39.3	x: 0.085 m η = 51.0	x: 5.415 m η = 15.5	x: 0.085 m η = 26.1	x: 0.085 m η = 79.2	x: 5.415 m η = 86.5	x: 5.415 m η = 79.9	**CUMPLE η = 86.5**
N509/N574	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	x: 1.108 m η = 8.2	x: 0.085 m η = 34.7	x: 0.085 m η = 35.8	x: 1.517 m η = 4.1	x: 0.085 m η = 4.3	x: 0.085 m η = 36.9	x: 0.085 m η = 39.7	x: 0.085 m η = 13.8	x: 0.085 m η = 15.9	x: 0.085 m η = 61.2	x: 0.085 m η = 44.8	x: 0.085 m η = 49.0	**CUMPLE η = 61.2**
N533/N116	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	x: 2.715 m η = 8.0	x: 2.715 m η = 26.6	x: 2.715 m η = 35.0	η = 3.4	x: 2.715 m η = 3.7	x: 2.715 m η = 29.9	x: 2.715 m η = 39.4	x: 2.715 m η = 9.0	x: 2.715 m η = 15.7	x: 2.715 m η = 49.0	x: 2.715 m η = 57.9	x: 2.715 m η = 48.0	**CUMPLE η = 57.9**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N116/N247	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.9	η = 0.4	x: 0.085 m η = 44.2	x: 5.415 m η = 47.8	x: 2.417 m η = 2.6	x: 5.415 m η = 4.6	x: 0.085 m η = 44.3	x: 5.415 m η = 47.9	x: 0.085 m η = 19.7	x: 5.415 m η = 23.0	x: 5.415 m η = 77.0	x: 0.085 m η = 85.6	x: 0.085 m η = 79.4	**CUMPLE** **η = 85.6**
N247/N377	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.4	x: 4.416 m η = 0.3	x: 0.085 m η = 28.4	x: 0.085 m η = 54.8	η = 3.0	x: 0.085 m η = 4.5	x: 5.415 m η = 21.2	x: 0.085 m η = 54.9	x: 0.085 m η = 8.3	x: 0.085 m η = 30.2	x: 5.415 m η = 75.5	x: 0.085 m η = 76.4	x: 0.085 m η = 70.8	**CUMPLE** **η = 76.4**
N377/N507	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.1	η = 0.7	x: 5.415 m η = 43.1	x: 0.085 m η = 47.6	x: 3.083 m η = 2.5	x: 0.085 m η = 4.6	x: 5.415 m η = 43.2	x: 0.085 m η = 47.7	x: 5.415 m η = 18.7	x: 0.085 m η = 22.8	x: 5.415 m η = 84.9	x: 0.085 m η = 77.5	x: 5.415 m η = 79.3	**CUMPLE** **η = 84.9**
N507/N573	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.4	x: 0.085 m η = 8.0	x: 0.085 m η = 30.4	x: 0.085 m η = 34.4	η = 3.4	x: 0.085 m η = 3.7	x: 0.085 m η = 31.0	x: 0.085 m η = 38.8	x: 0.085 m η = 9.7	x: 0.085 m η = 15.2	x: 0.085 m η = 48.1	x: 0.085 m η = 56.5	x: 0.085 m η = 46.9	**CUMPLE** **η = 56.5**
N534/N114	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.3	η = 5.6	x: 2.915 m η = 38.0	x: 2.915 m η = 36.9	η = 3.2	x: 2.915 m η = 3.5	x: 2.915 m η = 40.1	x: 2.915 m η = 40.0	x: 2.915 m η = 16.1	x: 2.915 m η = 16.1	x: 2.915 m η = 63.1	x: 2.915 m η = 69.4	x: 2.915 m η = 60.3	**CUMPLE** **η = 69.4**
N114/N245	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.1	η = 2.4	η = 0.9	x: 0.085 m η = 46.9	x: 5.415 m η = 44.5	x: 2.417 m η = 2.4	x: 5.415 m η = 4.7	x: 0.085 m η = 46.9	x: 5.415 m η = 44.6	x: 0.085 m η = 22.1	x: 5.415 m η = 19.9	x: 0.085 m η = 83.4	x: 0.085 m η = 75.8	x: 0.085 m η = 78.6	**CUMPLE** **η = 83.4**
N245/N375	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 1.7	x: 2.417 m η = 0.2	x: 5.415 m η = 29.3	x: 5.415 m η = 52.2	x: 4.416 m η = 2.9	x: 5.415 m η = 4.6	x: 0.085 m η = 15.5	x: 5.415 m η = 52.3	x: 5.415 m η = 8.8	x: 5.415 m η = 27.4	x: 0.085 m η = 66.9	x: 5.415 m η = 68.2	x: 5.415 m η = 63.1	**CUMPLE** **η = 68.2**
N375/N505	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.4	η = 0.9	x: 5.415 m η = 45.3	x: 0.085 m η = 44.3	x: 3.083 m η = 2.4	x: 0.085 m η = 4.7	x: 5.415 m η = 45.3	x: 0.085 m η = 44.4	x: 5.415 m η = 20.6	x: 0.085 m η = 19.8	x: 5.415 m η = 74.2	x: 5.415 m η = 84.1	x: 5.415 m η = 78.1	**CUMPLE** **η = 84.1**
N505/N572	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.2	η = 5.5	x: 0.085 m η = 37.6	x: 0.085 m η = 35.7	η = 3.2	x: 0.085 m η = 3.4	x: 0.085 m η = 39.8	x: 0.085 m η = 38.8	x: 0.085 m η = 15.9	x: 0.085 m η = 15.2	x: 0.085 m η = 62.4	x: 0.085 m η = 67.9	x: 0.085 m η = 58.9	**CUMPLE** **η = 67.9**
N535/N112	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 0.8	η = 3.8	x: 3.065 m η = 42.6	x: 3.065 m η = 37.1	η = 3.2	x: 3.065 m η = 3.5	x: 3.065 m η = 43.5	x: 3.065 m η = 38.3	x: 3.065 m η = 18.9	x: 3.065 m η = 14.8	x: 3.065 m η = 68.2	x: 3.065 m η = 75.9	x: 3.065 m η = 68.7	**CUMPLE** **η = 75.9**
N112/N243	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 1.3	η = 1.2	x: 0.085 m η = 45.2	x: 5.415 m η = 41.4	x: 2.417 m η = 2.3	x: 5.415 m η = 4.8	x: 0.085 m η = 45.3	x: 5.415 m η = 41.4	x: 0.085 m η = 20.5	x: 5.415 m η = 17.2	x: 0.085 m η = 72.5	x: 0.085 m η = 82.7	x: 0.085 m η = 77.2	**CUMPLE** **η = 82.7**
N243/N373	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 1.5	η = 0.2	x: 5.415 m η = 29.9	x: 0.085 m η = 46.5	x: 2.084 m η = 2.5	x: 5.415 m η = 4.6	x: 5.415 m η = 29.9	x: 0.085 m η = 46.6	x: 5.415 m η = 9.1	x: 0.085 m η = 21.8	x: 5.415 m η = 55.9	x: 0.085 m η = 56.8	x: 5.415 m η = 52.8	**CUMPLE** **η = 56.8**
N373/N503	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 2.0	η = 1.2	x: 5.415 m η = 45.2	x: 0.085 m η = 41.2	x: 3.083 m η = 2.3	x: 0.085 m η = 4.8	x: 5.415 m η = 45.3	x: 0.085 m η = 41.2	x: 5.415 m η = 20.6	x: 0.085 m η = 17.1	x: 5.415 m η = 72.1	x: 5.415 m η = 83.1	x: 5.415 m η = 77.6	**CUMPLE** **η = 83.1**
N503/N571	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 0.8	η = 4.0	x: 0.085 m η = 41.8	x: 0.085 m η = 37.0	η = 3.2	x: 0.085 m η = 3.5	x: 0.085 m η = 42.6	x: 0.085 m η = 38.3	x: 0.085 m η = 18.2	x: 0.085 m η = 14.8	x: 0.085 m η = 67.5	x: 0.085 m η = 74.3	x: 0.085 m η = 67.2	**CUMPLE** **η = 74.3**
N536/N110	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 4.6	x: 3.065 m η = 46.0	x: 3.065 m η = 36.5	η = 3.2	x: 3.065 m η = 3.6	x: 3.065 m η = 46.0	x: 3.065 m η = 36.6	x: 3.065 m η = 21.2	x: 3.065 m η = 13.5	x: 3.065 m η = 71.9	x: 3.065 m η = 79.1	x: 3.065 m η = 73.4	**CUMPLE** **η = 79.1**
N110/N241	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.5	η = 1.3	x: 0.085 m η = 42.8	x: 5.415 m η = 36.2	x: 2.417 m η = 2.0	x: 5.415 m η = 4.8	x: 0.085 m η = 42.8	x: 5.415 m η = 36.2	x: 0.085 m η = 18.3	x: 5.415 m η = 13.2	x: 0.085 m η = 66.4	x: 0.085 m η = 76.2	x: 0.085 m η = 71.2	**CUMPLE** **η = 76.2**
N241/N371	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.1	η = 0.2	x: 5.415 m η = 30.1	x: 0.085 m η = 40.4	x: 3.749 m η = 2.2	x: 5.415 m η = 4.7	x: 5.415 m η = 30.1	x: 0.085 m η = 40.4	x: 5.415 m η = 9.3	x: 0.085 m η = 16.4	x: 0.085 m η = 46.2	x: 5.415 m η = 48.7	x: 5.415 m η = 45.5	**CUMPLE** **η = 48.7**
N371/N501	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 1.2	η = 1.3	x: 5.415 m η = 42.7	x: 0.085 m η = 36.2	x: 3.083 m η = 2.0	x: 0.085 m η = 4.9	x: 5.415 m η = 42.7	x: 0.085 m η = 36.2	x: 5.415 m η = 18.3	x: 0.085 m η = 13.2	x: 5.415 m η = 66.7	x: 5.415 m η = 76.0	x: 5.415 m η = 70.9	**CUMPLE** **η = 76.0**
N501/N570	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 4.9	x: 0.085 m η = 45.3	x: 0.085 m η = 36.5	η = 3.2	x: 0.085 m η = 3.5	x: 0.085 m η = 45.3	x: 0.085 m η = 36.7	x: 0.085 m η = 20.6	x: 0.085 m η = 13.6	x: 0.085 m η = 72.0	x: 0.085 m η = 78.2	x: 0.085 m η = 72.4	**CUMPLE** **η = 78.2**
N537/N108	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 5.1	x: 3.065 m η = 51.7	x: 3.065 m η = 30.4	x: 2.502 m η = 2.8	x: 3.065 m η = 3.7	x: 3.065 m η = 52.0	x: 3.065 m η = 30.4	x: 3.065 m η = 27.1	x: 3.065 m η = 9.3	x: 3.065 m η = 63.9	x: 3.065 m η = 71.7	x: 3.065 m η = 67.7	**CUMPLE** **η = 71.7**
N108/N239	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 1.0	η = 1.3	x: 0.085 m η = 36.9	x: 5.415 m η = 27.7	x: 2.417 m η = 1.5	x: 5.415 m η = 4.8	x: 0.085 m η = 36.9	x: 5.415 m η = 27.7	x: 0.085 m η = 13.7	x: 5.415 m η = 7.7	x: 0.085 m η = 53.5	x: 0.085 m η = 62.8	x: 0.085 m η = 58.7	**CUMPLE** **η = 62.8**
N239/N369	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.1	η = 0.1	x: 5.415 m η = 30.1	x: 5.415 m η = 30.4	x: 2.417 m η = 1.7	x: 5.415 m η = 4.7	x: 5.415 m η = 30.2	x: 5.415 m η = 30.5	x: 5.415 m η = 9.3	x: 5.415 m η = 9.3	x: 0.085 m η = 36.9	x: 5.415 m η = 38.9	x: 5.415 m η = 36.4	**CUMPLE** **η = 38.9**
N369/N499	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 1.4	η = 1.4	x: 5.415 m η = 36.8	x: 0.085 m η = 27.9	x: 3.083 m η = 1.6	x: 0.085 m η = 4.9	x: 5.415 m η = 36.9	x: 0.085 m η = 28.0	x: 5.415 m η = 13.6	x: 0.085 m η = 7.8	x: 5.415 m η = 53.8	x: 5.415 m η = 63.3	x: 5.415 m η = 59.1	**CUMPLE** **η = 63.3**
N499/N569	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 5.3	x: 0.085 m η = 51.0	x: 0.085 m η = 31.3	x: 0.461 m η = 2.8	x: 0.085 m η = 3.6	x: 0.085 m η = 51.2	x: 0.085 m η = 33.6	x: 0.085 m η = 26.3	x: 0.085 m η = 11.3	x: 0.085 m η = 62.3	x: 0.085 m η = 68.8	x: 0.085 m η = 65.1	**CUMPLE** **η = 68.8**
N538/N106	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.4	η = 4.9	x: 3.065 m η = 62.7	x: 3.065 m η = 26.9	x: 0.06 m η = 2.5	x: 3.065 m η = 3.7	x: 3.065 m η = 62.8	x: 3.065 m η = 29.4	x: 3.065 m η = 39.5	x: 3.065 m η = 8.7	x: 3.065 m η = 62.3	x: 3.065 m η = 70.1	x: 3.065 m η = 67.9	**CUMPLE** **η = 70.1**
N106/N237	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 2.1	η = 1.3	x: 5.415 m η = 30.7	x: 5.415 m η = 16.4	x: 2.417 m η = 0.9	x: 5.415 m η = 4.8	x: 5.415 m η = 30.7	x: 5.415 m η = 16.5	x: 5.415 m η = 9.7	x: 5.415 m η = 2.7	x: 0.085 m η = 43.6	x: 5.415 m η = 35.4	x: 0.085 m η = 41.0	**CUMPLE** **η = 43.6**
N237/N367	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.1	η = 3.2	η = 0.2	x: 5.415 m η = 29.9	x: 0.085 m η = 17.5	x: 3.083 m η = 1.0	x: 5.415 m η = 4.7	x: 5.415 m η = 29.9	x: 0.085 m η = 17.5	x: 5.415 m η = 9.2	x: 0.085 m η = 3.1	x: 0.085 m η = 23.8	x: 0.085 m η = 32.5	x: 0.085 m η = 31.8	**CUMPLE** **η = 32.5**
N367/N497	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.7	x: 3.749 m η = 1.4	x: 0.085 m η = 30.7	x: 0.085 m η = 16.4	x: 3.083 m η = 0.9	x: 0.085 m η = 4.8	x: 0.085 m η = 30.8	x: 0.085 m η = 16.4	x: 0.085 m η = 9.7	x: 0.085 m η = 2.7	x: 5.415 m η = 43.9	x: 5.415 m η = 35.6	x: 5.415 m η = 41.3	**CUMPLE** **η = 43.9**
N497/N568	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.5	η = 4.8	x: 0.085 m η = 62.5	x: 0.085 m η = 34.0	x: 1.024 m η = 3.2	x: 0.085 m η = 3.6	x: 0.085 m η = 62.7	x: 0.085 m η = 36.7	x: 0.085 m η = 39.4	x: 0.085 m η = 13.5	x: 0.085 m η = 62.3	x: 0.085 m η = 69.5	x: 0.085 m η = 67.1	**CUMPLE** **η = 69.5**
N539/N104	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 3.6	x: 3.065 m η = 65.4	x: 3.065 m η = 25.4	x: 1.187 m η = 2.4	x: 3.065 m η = 4.1	x: 3.065 m η = 66.8	x: 3.065 m η = 27.0	x: 3.065 m η = 44.8	x: 3.065 m η = 7.4	x: 3.065 m η = 69.5	x: 3.065 m η = 61.4	x: 3.065 m η = 65.7	**CUMPLE** **η = 69.5**
N104/N235	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.417 m η = 2.2	x: 2.417 m η = 6.1	x: 3.083 m η = 1.2	x: 5.415 m η = 34.1	x: 5.415 m η = 8.4	x: 2.417 m η = 0.5	x: 5.415 m η = 5.3	x: 5.415 m η = 34.1	x: 5.415 m η = 9.1	x: 5.415 m η = 11.9	x: 5.415 m η = 0.8	x: 0.085 m η = 36.5	x: 5.415 m η = 35.0	x: 0.085 m η = 36.9	**CUMPLE** **η = 36.9**
N235/N365	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.8	x: 2.417 m η = 0.3	x: 0.085 m η = 33.1	x: 0.085 m η = 9.0	x: 2.417 m η = 0.5	x: 0.085 m η = 5.2	x: 0.085 m η = 33.2	x: 0.085 m η = 9.2	x: 0.085 m η = 11.3	x: 0.085 m η = 0.8	x: 5.415 m η = 16.6	x: 0.085 m η = 35.0	x: 0.085 m η = 34.4	**CUMPLE** **η = 35.0**
N365/N495	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 2.2	η = 1.2	x: 0.085 m η = 33.8	x: 0.085 m η = 12.1	x: 3.083 m η = 0.7	x: 0.085 m η = 5.3	x: 0.085 m η = 33.9	x: 0.085 m η = 12.8	x: 0.085 m η = 11.7	x: 0.085 m η = 1.6	x: 5.415 m η = 36.5	x: 0.085 m η = 35.3	x: 0.085 m η = 35.8	**CUMPLE** **η = 36.5**
N495/N567	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 3.6	x: 0.085 m η = 66.4	x: 0.085 m η = 34.5	x: 1.963 m η = 3.3	x: 0.085 m η = 4.1	x: 0.085 m η = 67.8	x: 0.085 m η = 36.1	x: 0.085 m η = 46.1	x: 0.085 m η = 13.1	x: 0.085 m η = 71.7	x: 0.085 m η = 62.1	x: 0.085 m η = 67.6	**CUMPLE** **η = 71.7**
N540/N102	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.811 m η = 0.3	x: 0.811 m η = 0.4	η = 2.7	x: 3.065 m η = 55.9	x: 3.065 m η = 25.9	x: 1.75 m η = 2.4	x: 3.065 m η = 4.2	x: 3.065 m η = 56.8	x: 3.065 m η = 27.1	x: 3.065 m η = 32.4	x: 3.065 m η = 7.4	x: 3.065 m η = 65.2	x: 3.065 m η = 74.3	x: 3.065 m η = 68.8	**CUMPLE** **η = 74.3**
N102/N233	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.417 m η = 1.8	x: 2.417 m η = 4.8	x: 3.083 m η = 1.1	x: 0.085 m η = 39.5	x: 5.415 m η = 8.8	η = 0.5	x: 5.415 m η = 5.4	x: 0.085 m η = 39.6	x: 5.415 m η = 9.5	x: 0.085 m η = 15.7	x: 5.415 m η = 0.9	x: 0.085 m η = 46.1	x: 0.085 m η = 41.6	x: 0.085 m η = 46.5	**CUMPLE** **η = 46.5**
N233/N363	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.1	η = 2.9	η = 0.3	x: 0.085 m η = 33.6	x: 0.085 m η = 7.7	x: 3.083 m η = 0.4	x: 0.085 m η = 5.2	x: 0.085 m η = 33.7	x: 0.085 m η = 7.8	x: 0.085 m η = 11.6	x: 0.085 m η = 0.6	x: 5.415 m η = 18.1	x: 5.415 m η = 34.4	x: 5.415 m η = 33.6	**CUMPLE** **η = 34.4**
N363/N493	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 1.4	η = 1.1	x: 5.415 m η = 39.5	x: 0.085 m η = 13.6	x: 3.083 m η = 0.7	x: 0.085 m η = 5.2	x: 5.415 m η = 39.6	x: 0.085 m η = 14.2	x: 5.415 m η = 15.7	x: 0.085 m η = 2.0	x: 5.415 m η = 36.5	x: 5.415 m η = 48.4	x: 5.415 m η = 46.3	**CUMPLE** **η = 48.4**
N493/N566	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.4	η = 2.9	x: 0.085 m η = 56.7	x: 0.085 m η = 36.9	x: 1.4 m η = 3.5	x: 0.085 m η = 4.4	x: 0.085 m η = 57.9	x: 0.085 m η = 38.1	x: 0.085 m η = 33.6	x: 0.085 m η = 14.7	x: 0.085 m η = 62.0	x: 0.085 m η = 74.1	x: 0.085 m η = 68.6	**CUMPLE** **η = 74.1**
N541/N100	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 3.6	x: 3.065 m η = 50.8	x: 3.065 m η = 26.4	x: 1.75 m η = 2.5	x: 3.065 m η = 3.8	x: 3.065 m η = 51.3	x: 3.065 m η = 28.4	x: 3.065 m η = 26.4	x: 3.065 m η = 8.1	x: 3.065 m η = 68.6	x: 3.065 m η = 76.5	x: 3.065 m η = 70.7	**CUMPLE** **η = 76.5**
N100/N231	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.5	η = 4.0	η = 1.0	x: 0.085 m η = 43.8	x: 5.415 m η = 17.8	x: 2.084 m η = 1.0	x: 5.415 m η = 4.9	x: 0.085 m η = 43.9	x: 5.415 m η = 17.9	x: 0.085 m η = 19.3	x: 5.415 m η = 3.2	x: 0.085 m η = 58.2	x: 0.085 m η = 54.5	x: 0.085 m η = 57.6	**CUMPLE** **η = 58.2**
N231/N361	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 2.7	η = 0.3	x: 0.085 m η = 30.5	x: 5.415 m η = 18.2	η = 1.0	x: 0.085 m η = 4.7	x: 0.085 m η = 30.6	x: 5.415 m η = 18.4	x: 0.085 m η = 9.6	x: 5.415 m η = 3.4	x: 5.415 m η = 31.4	x: 0.085 m η = 31.6	x: 0.085 m η = 30.8	**CUMPLE** **η = 31.6**
N361/N491	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.4	η = 1.1	x: 5.415 m η = 44.4	x: 0.085 m η = 17.9	x: 3.416 m η = 1.0	x: 0.085 m η = 4.7	x: 5.415 m η = 44.5	x: 0.085 m η = 18.0	x: 5.415 m η = 19.9	x: 0.085 m η = 3.3	x: 5.415 m η = 50.0	x: 5.415 m η = 61.3	x: 5.415 m η = 58.1	**CUMPLE** **η = 61.3**
N491/N565	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 4.2	x: 0.085 m η = 51.9	x: 0.085 m η = 34.8	x: 1.212 m η = 3.3	x: 0.085 m η = 3.0	x: 0.085 m η = 52.5	x: 0.085 m η = 37.0	x: 0.085 m η = 27.7	x: 0.085 m η = 13.8	x: 0.085 m η = 67.6	x: 0.085 m η = 78.9	x: 0.085 m η = 72.6	**CUMPLE** **η = 78.9**
N542/N98	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 4.0	x: 3.065 m η = 47.5	x: 3.065 m η = 32.3	η = 2.8	x: 3.065 m η = 3.7	x: 3.065 m η = 47.5	x: 3.065 m η = 32.5	x: 3.065 m η = 22.7	x: 3.065 m η = 10.6	x: 3.065 m η = 71.6	x: 3.065 m η = 78.9	x: 3.065 m η = 73.5	**CUMPLE** **η = 78.9**
N98/N229	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.4	η = 3.6	η = 0.9	x: 0.085 m η = 47.2	x: 5.415 m η = 27.0	x: 2.084 m η = 1.4	x: 5.415 m η = 4.9	x: 0.085 m η = 47.3	x: 5.415 m η = 27.1	x: 0.085 m η = 22.4	x: 5.415 m η = 7.4	x: 0.085 m η = 69.5	x: 0.085 m η = 65.5	x: 0.085 m η = 67.6	**CUMPLE** **η = 69.5**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N229/N359	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.4	η = 0.3	x: 0.085 m η = 30.5	x: 5.415 m η = 28.7	η = 1.6	x: 0.085 m η = 4.7	x: 0.085 m η = 30.5	x: 5.415 m η = 28.9	x: 0.085 m η = 9.5	x: 5.415 m η = 8.4	x: 5.415 m η = 37.1	x: 0.085 m η = 40.0	x: 0.085 m η = 37.4	**CUMPLE η = 40.0**
N359/N489	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 1.3	η = 0.9	x: 5.415 m η = 48.0	x: 0.085 m η = 27.1	x: 3.416 m η = 1.4	x: 0.085 m η = 4.7	x: 5.415 m η = 48.1	x: 0.085 m η = 27.1	x: 5.415 m η = 23.2	x: 0.085 m η = 7.4	x: 5.415 m η = 61.1	x: 5.415 m η = 72.4	x: 5.415 m η = 68.3	**CUMPLE η = 72.4**
N489/N564	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 4.6	x: 0.085 m η = 48.6	x: 0.085 m η = 32.2	x: 2.902 m η = 2.9	x: 0.085 m η = 2.9	x: 0.085 m η = 48.6	x: 0.085 m η = 32.8	x: 0.085 m η = 23.6	x: 0.085 m η = 10.8	x: 0.085 m η = 70.3	x: 0.085 m η = 79.8	x: 0.085 m η = 74.5	**CUMPLE η = 79.8**
N543/N96	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.2	η = 3.6	x: 3.065 m η = 44.8	x: 3.065 m η = 37.2	η = 3.1	x: 3.065 m η = 3.6	x: 3.065 m η = 45.1	x: 3.065 m η = 37.7	x: 3.065 m η = 20.4	x: 3.065 m η = 14.3	x: 3.065 m η = 73.4	x: 3.065 m η = 80.0	x: 3.065 m η = 73.3	**CUMPLE η = 80.0**
N96/N227	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.3	η = 3.4	x: 4.083 m η = 0.7	x: 0.085 m η = 49.2	x: 5.415 m η = 35.0	x: 4.083 m η = 1.9	x: 5.415 m η = 4.9	x: 0.085 m η = 49.2	x: 5.415 m η = 35.0	x: 0.085 m η = 24.3	x: 5.415 m η = 12.3	x: 0.085 m η = 77.9	x: 0.085 m η = 73.6	x: 0.085 m η = 75.0	**CUMPLE η = 77.9**
N227/N357	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.2	η = 0.2	x: 0.085 m η = 30.2	x: 0.085 m η = 37.9	x: 2.084 m η = 2.1	x: 0.085 m η = 4.7	x: 0.085 m η = 30.2	x: 0.085 m η = 38.0	x: 0.085 m η = 9.3	x: 0.085 m η = 14.5	x: 0.085 m η = 44.0	x: 5.415 m η = 46.5	x: 5.415 m η = 43.4	**CUMPLE η = 46.5**
N357/N487	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 1.3	η = 0.8	x: 5.415 m η = 50.0	x: 0.085 m η = 35.0	x: 1.418 m η = 1.9	x: 0.085 m η = 4.7	x: 5.415 m η = 50.1	x: 0.085 m η = 35.0	x: 5.415 m η = 25.1	x: 0.085 m η = 12.3	x: 5.415 m η = 69.8	x: 5.415 m η = 80.6	x: 5.415 m η = 75.6	**CUMPLE η = 80.6**
N487/N563	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 4.2	x: 0.085 m η = 45.6	x: 0.085 m η = 36.8	η = 3.1	x: 0.085 m η = 3.9	x: 0.085 m η = 46.1	x: 0.085 m η = 37.0	x: 0.085 m η = 21.3	x: 0.085 m η = 13.8	x: 0.085 m η = 71.3	x: 0.085 m η = 80.2	x: 0.085 m η = 73.4	**CUMPLE η = 80.2**
N544/N94	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 0.8	η = 3.4	x: 3.065 m η = 43.2	x: 3.065 m η = 38.9	η = 3.2	x: 3.065 m η = 3.4	x: 3.065 m η = 44.1	x: 3.065 m η = 40.3	x: 3.065 m η = 19.5	x: 3.065 m η = 16.4	x: 3.065 m η = 71.9	x: 3.065 m η = 78.6	x: 3.065 m η = 70.8	**CUMPLE η = 78.6**
N94/N225	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.2	η = 2.3	x: 4.083 m η = 0.6	x: 0.085 m η = 50.4	x: 5.415 m η = 40.7	x: 2.084 m η = 2.1	x: 5.415 m η = 4.9	x: 0.085 m η = 50.4	x: 5.415 m η = 40.7	x: 0.085 m η = 25.4	x: 5.415 m η = 16.6	x: 0.085 m η = 83.1	x: 0.085 m η = 77.0	x: 0.085 m η = 79.1	**CUMPLE η = 83.1**
N225/N355	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 1.9	η = 0.2	x: 5.415 m η = 29.7	x: 0.085 m η = 47.5	x: 2.084 m η = 2.6	x: 5.415 m η = 4.6	x: 5.415 m η = 29.7	x: 0.085 m η = 47.6	x: 5.415 m η = 9.0	x: 0.085 m η = 22.8	x: 0.085 m η = 59.4	x: 5.415 m η = 61.2	x: 5.415 m η = 56.8	**CUMPLE η = 61.2**
N355/N485	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 1.5	η = 0.6	x: 5.415 m η = 50.0	x: 0.085 m η = 40.7	x: 3.416 m η = 2.1	x: 0.085 m η = 4.7	x: 5.415 m η = 50.1	x: 0.085 m η = 40.8	x: 5.415 m η = 25.1	x: 0.085 m η = 16.7	x: 5.415 m η = 74.0	x: 5.415 m η = 85.6	x: 5.415 m η = 80.1	**CUMPLE η = 85.6**
N485/N562	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 0.8	η = 3.4	x: 0.085 m η = 43.7	x: 0.085 m η = 38.6	η = 3.2	x: 0.085 m η = 3.5	x: 0.085 m η = 44.6	x: 0.085 m η = 39.9	x: 0.085 m η = 19.9	x: 0.085 m η = 16.0	x: 0.085 m η = 70.8	x: 0.085 m η = 78.2	x: 0.085 m η = 70.6	**CUMPLE η = 78.2**
N545/N92	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.5	η = 5.4	x: 2.915 m η = 41.9	x: 2.915 m η = 40.3	η = 3.4	x: 2.915 m η = 3.2	x: 2.915 m η = 44.0	x: 2.915 m η = 43.5	x: 2.915 m η = 19.4	x: 2.915 m η = 19.1	x: 2.915 m η = 76.1	x: 2.915 m η = 72.6	x: 2.915 m η = 66.8	**CUMPLE η = 76.1**
N92/N223	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.6	η = 3.8	η = 0.4	x: 0.085 m η = 48.3	x: 5.415 m η = 46.1	x: 2.084 m η = 2.4	x: 5.415 m η = 4.8	x: 0.085 m η = 48.4	x: 5.415 m η = 46.2	x: 0.085 m η = 23.5	x: 5.415 m η = 21.4	x: 0.085 m η = 86.1	x: 0.085 m η = 81.0	x: 0.085 m η = 82.4	**CUMPLE η = 86.1**
N223/N353	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.1	η = 0.1	x: 5.415 m η = 29.1	x: 0.085 m η = 51.2	x: 2.417 m η = 2.8	x: 5.415 m η = 4.6	x: 5.415 m η = 29.1	x: 0.085 m η = 51.2	x: 5.415 m η = 8.7	x: 0.085 m η = 26.3	x: 0.085 m η = 69.1	x: 5.415 m η = 70.9	x: 5.415 m η = 65.9	**CUMPLE η = 70.9**
N353/N483	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.4	η = 0.4	x: 5.415 m η = 48.8	x: 0.085 m η = 46.0	x: 3.083 m η = 2.5	x: 0.085 m η = 4.6	x: 5.415 m η = 48.9	x: 0.085 m η = 46.1	x: 5.415 m η = 23.9	x: 0.085 m η = 21.3	x: 5.415 m η = 87.7	x: 5.415 m η = 77.5	x: 5.415 m η = 81.9	**CUMPLE η = 87.7**
N483/N561	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.5	η = 5.9	x: 0.085 m η = 42.8	x: 0.085 m η = 40.1	η = 3.4	x: 0.085 m η = 3.3	x: 0.085 m η = 44.8	x: 0.085 m η = 43.4	x: 0.085 m η = 20.2	x: 0.085 m η = 18.9	x: 0.085 m η = 76.2	x: 0.085 m η = 72.3	x: 0.085 m η = 67.2	**CUMPLE η = 76.2**
N546/N90	x: 0.194 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	N.P.[3]	N.P.[4]	x: 2.715 m η = 44.7	x: 2.715 m η = 34.9	η = 1.9	x: 2.715 m η = 4.6	N.P.[5]	N.P.[6]	x: 2.715 m η = 20.2	x: 2.715 m η = 12.2	x: 2.715 m η = 53.9	N.P.[7]	N.P.[8]	**CUMPLE η = 53.9**
N90/N221	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.1	η = 2.7	η = 0.2	x: 0.085 m η = 41.1	x: 5.415 m η = 53.2	x: 3.749 m η = 2.9	x: 0.085 m η = 4.7	x: 0.085 m η = 41.2	x: 5.415 m η = 53.4	x: 0.085 m η = 17.1	x: 5.415 m η = 28.5	x: 0.085 m η = 89.5	x: 5.415 m η = 81.2	x: 0.085 m η = 83.6	**CUMPLE η = 89.5**
N221/N351	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.0	η = 0.1	x: 5.415 m η = 28.0	x: 5.415 m η = 54.1	x: 2.417 m η = 3.0	x: 5.415 m η = 4.6	x: 5.415 m η = 28.0	x: 5.415 m η = 54.1	x: 5.415 m η = 8.1	x: 5.415 m η = 29.4	x: 0.085 m η = 78.0	x: 5.415 m η = 79.9	x: 5.415 m η = 74.2	**CUMPLE η = 79.9**
N351/N481	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.4	η = 0.2	x: 5.415 m η = 42.0	x: 0.085 m η = 52.8	x: 3.083 m η = 2.9	x: 5.415 m η = 4.8	x: 5.415 m η = 42.1	x: 0.085 m η = 53.0	x: 5.415 m η = 17.8	x: 0.085 m η = 28.1	x: 0.085 m η = 79.2	x: 5.415 m η = 91.6	x: 5.415 m η = 84.9	**CUMPLE η = 91.6**
N481/N581	x: 0.085 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	N.P.[3]	N.P.[4]	x: 0.085 m η = 44.7	x: 0.085 m η = 33.4	η = 1.8	x: 0.085 m η = 4.6	N.P.[5]	N.P.[6]	x: 0.085 m η = 20.2	x: 0.085 m η = 11.2	x: 0.085 m η = 53.9	N.P.[7]	N.P.[9]	**CUMPLE η = 53.9**
N547/N88	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.879 m η = 0.6	x: 0.879 m η = 0.6	x: 1.902 m η = 9.0	x: 2.515 m η = 30.5	x: 2.515 m η = 36.3	x: 0.879 m η = 4.1	x: 2.515 m η = 4.0	x: 2.515 m η = 32.6	x: 2.515 m η = 41.3	x: 2.515 m η = 10.8	x: 2.515 m η = 17.2	x: 0.061 m η = 53.5	x: 2.515 m η = 53.4	x: 2.515 m η = 43.0	**CUMPLE η = 53.5**
N88/N219	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.4	η = 3.2	x: 3.083 m η = 0.3	x: 0.085 m η = 38.9	x: 5.415 m η = 53.1	x: 3.416 m η = 2.9	x: 0.085 m η = 4.6	x: 0.085 m η = 39.0	x: 5.415 m η = 53.3	x: 0.085 m η = 15.3	x: 5.415 m η = 28.5	x: 0.085 m η = 86.4	x: 5.415 m η = 80.6	x: 0.085 m η = 80.3	**CUMPLE η = 86.4**
N219/N349	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.1	η = 0.1	x: 5.415 m η = 27.2	x: 5.415 m η = 54.4	x: 3.083 m η = 3.0	x: 5.415 m η = 4.5	x: 0.085 m η = 27.1	x: 5.415 m η = 54.4	x: 5.415 m η = 7.6	x: 5.415 m η = 29.7	x: 0.085 m η = 80.4	x: 5.415 m η = 82.2	x: 5.415 m η = 76.2	**CUMPLE η = 82.2**
N349/N479	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 1.5	η = 0.3	x: 5.415 m η = 41.4	x: 0.085 m η = 52.8	x: 1.751 m η = 2.9	x: 5.415 m η = 5.0	x: 5.415 m η = 41.5	x: 0.085 m η = 52.9	x: 5.415 m η = 17.4	x: 0.085 m η = 28.1	x: 0.085 m η = 78.8	x: 5.415 m η = 89.3	x: 5.415 m η = 82.7	**CUMPLE η = 89.3**
N479/N560	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.5	x: 0.699 m η = 9.8	x: 0.085 m η = 45.4	x: 0.085 m η = 36.2	x: 1.721 m η = 4.1	x: 0.085 m η = 4.0	x: 0.085 m η = 49.2	x: 0.085 m η = 40.7	x: 0.085 m η = 24.4	x: 0.085 m η = 16.7	x: 0.085 m η = 58.4	x: 0.085 m η = 56.5	x: 0.085 m η = 49.5	**CUMPLE η = 58.4**
N548/N86	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 6.0	x: 2.315 m η = 41.2	x: 0.061 m η = 35.2	x: 1.188 m η = 4.7	x: 2.315 m η = 4.8	x: 2.315 m η = 42.5	x: 0.061 m η = 38.6	x: 2.315 m η = 18.3	x: 0.061 m η = 15.1	x: 0.061 m η = 51.3	x: 2.315 m η = 66.9	x: 2.315 m η = 55.9	**CUMPLE η = 66.9**
N86/N217	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 2.7	η = 0.5	x: 0.085 m η = 34.9	x: 5.415 m η = 55.6	x: 2.75 m η = 3.0	x: 0.085 m η = 4.8	x: 0.085 m η = 34.9	x: 5.415 m η = 55.9	x: 0.085 m η = 12.4	x: 5.415 m η = 31.3	x: 0.085 m η = 85.4	x: 0.085 m η = 81.4	x: 0.085 m η = 79.4	**CUMPLE η = 85.4**
N217/N347	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.3	η = 0.1	x: 0.085 m η = 27.8	x: 5.415 m η = 54.6	x: 2.417 m η = 3.0	x: 0.085 m η = 4.6	x: 0.085 m η = 27.8	x: 5.415 m η = 54.7	x: 0.085 m η = 7.8	x: 5.415 m η = 30.0	x: 0.085 m η = 81.5	x: 5.415 m η = 83.3	x: 5.415 m η = 77.2	**CUMPLE η = 83.3**
N347/N477	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.8	η = 0.5	x: 5.415 m η = 46.7	x: 0.085 m η = 55.1	x: 2.75 m η = 3.0	x: 5.415 m η = 5.2	x: 5.415 m η = 46.7	x: 0.085 m η = 55.3	x: 5.415 m η = 22.1	x: 0.085 m η = 30.7	x: 0.085 m η = 78.9	x: 5.415 m η = 88.3	x: 5.415 m η = 81.6	**CUMPLE η = 88.3**
N477/N559	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.4	x: 1.4 m η = 7.2	x: 0.085 m η = 58.5	x: 2.339 m η = 35.7	x: 1.024 m η = 4.6	x: 0.085 m η = 4.4	x: 0.085 m η = 59.7	x: 2.339 m η = 38.9	x: 0.085 m η = 35.9	x: 2.339 m η = 15.4	x: 0.085 m η = 57.1	x: 0.085 m η = 70.4	x: 0.085 m η = 65.4	**CUMPLE η = 70.4**
N549/N84	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 2.2	x: 2.115 m η = 44.5	x: 0.061 m η = 41.0	x: 1.293 m η = 5.7	x: 2.115 m η = 5.1	x: 2.115 m η = 44.8	x: 0.061 m η = 42.1	x: 2.115 m η = 20.3	x: 0.061 m η = 18.0	x: 0.061 m η = 53.2	x: 2.115 m η = 73.7	x: 2.115 m η = 66.4	**CUMPLE η = 73.7**
N84/N215	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 2.7	η = 0.6	x: 0.085 m η = 36.6	x: 0.085 m η = 58.4	η = 3.2	x: 0.085 m η = 4.8	x: 0.085 m η = 36.6	x: 0.085 m η = 58.7	x: 0.085 m η = 13.6	x: 0.085 m η = 34.5	x: 0.085 m η = 85.1	x: 5.415 m η = 81.6	x: 0.085 m η = 78.8	**CUMPLE η = 85.1**
N215/N345	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 2.1	η = 0.2	x: 0.085 m η = 27.5	x: 5.415 m η = 55.8	x: 2.417 m η = 3.1	x: 0.085 m η = 4.6	x: 0.085 m η = 27.6	x: 5.415 m η = 55.9	x: 0.085 m η = 7.6	x: 5.415 m η = 31.4	x: 0.085 m η = 82.7	x: 5.415 m η = 84.2	x: 5.415 m η = 77.9	**CUMPLE η = 84.2**
N345/N475	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.5	η = 0.7	x: 5.415 m η = 47.4	x: 5.415 m η = 58.3	η = 3.2	x: 5.415 m η = 5.2	x: 5.415 m η = 47.4	x: 5.415 m η = 58.5	x: 5.415 m η = 22.8	x: 5.415 m η = 34.4	x: 0.085 m η = 79.9	x: 5.415 m η = 87.6	x: 5.415 m η = 80.7	**CUMPLE η = 87.6**
N475/N558	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 5.4	x: 0.085 m η = 59.2	x: 2.139 m η = 41.2	x: 0.907 m η = 5.7	x: 0.085 m η = 5.4	x: 0.085 m η = 61.3	x: 2.139 m η = 42.0	x: 0.085 m η = 37.9	x: 2.139 m η = 17.9	x: 0.085 m η = 72.5	x: 0.085 m η = 74.5	x: 0.085 m η = 67.7	**CUMPLE η = 74.5**
N550/N82	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.3	η = 2.4	x: 1.915 m η = 41.7	x: 0.061 m η = 47.9	x: 0.617 m η = 7.4	x: 1.915 m η = 5.0	x: 1.915 m η = 43.1	x: 0.061 m η = 48.4	x: 1.915 m η = 18.8	x: 0.061 m η = 24.0	x: 1.915 m η = 80.0	x: 1.915 m η = 57.4	x: 1.915 m η = 73.3	**CUMPLE η = 80.0**
N82/N213	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.4	η = 3.3	η = 0.8	x: 0.085 m η = 35.4	x: 0.085 m η = 58.3	x: 3.083 m η = 3.2	x: 0.085 m η = 4.8	x: 0.085 m η = 35.4	x: 0.085 m η = 58.5	x: 0.085 m η = 12.7	x: 0.085 m η = 34.3	x: 0.085 m η = 83.7	x: 5.415 m η = 81.2	x: 0.085 m η = 77.6	**CUMPLE η = 83.7**
N213/N343	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 2.4	η = 0.2	x: 0.085 m η = 27.5	x: 5.415 m η = 56.5	x: 2.417 m η = 3.1	x: 0.085 m η = 4.6	x: 0.085 m η = 27.5	x: 5.415 m η = 56.6	x: 0.085 m η = 7.8	x: 5.415 m η = 32.2	x: 0.085 m η = 82.4	x: 5.415 m η = 83.7	x: 5.415 m η = 77.5	**CUMPLE η = 83.7**
N343/N473	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.6	η = 0.9	x: 5.415 m η = 43.0	x: 5.415 m η = 58.2	x: 2.417 m η = 3.2	x: 5.415 m η = 5.1	x: 5.415 m η = 43.1	x: 5.415 m η = 58.4	x: 5.415 m η = 18.8	x: 5.415 m η = 34.2	x: 0.085 m η = 79.4	x: 5.415 m η = 85.4	x: 5.415 m η = 78.8	**CUMPLE η = 85.4**
N473/N557	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.3	η = 5.1	x: 0.085 m η = 49.6	x: 1.939 m η = 48.0	x: 1.383 m η = 7.4	x: 0.085 m η = 5.5	x: 0.085 m η = 52.5	x: 1.939 m η = 48.8	x: 0.085 m η = 27.9	x: 1.939 m η = 24.3	x: 0.085 m η = 81.3	x: 0.085 m η = 56.8	x: 0.085 m η = 74.0	**CUMPLE η = 81.3**
N551/N80	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.663 m η = 0.3	x: 0.663 m η = 0.3	η = 2.9	x: 1.665 m η = 35.5	x: 1.665 m η = 53.9	x: 0.863 m η = 9.8	x: 1.665 m η = 4.7	x: 1.665 m η = 37.2	x: 1.665 m η = 55.2	x: 1.665 m η = 14.1	x: 1.665 m η = 31.4	x: 1.665 m η = 61.7	x: 1.665 m η = 85.8	x: 1.665 m η = 77.1	**CUMPLE η = 85.8**
N80/N211	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.4	η = 1.0	x: 0.085 m η = 32.1	x: 0.085 m η = 55.5	x: 3.083 m η = 3.1	x: 0.085 m η = 4.7	x: 0.085 m η = 32.1	x: 0.085 m η = 55.6	x: 0.085 m η = 10.5	x: 0.085 m η = 31.0	x: 0.085 m η = 81.8	x: 5.415 m η = 79.9	x: 0.085 m η = 75.9	**CUMPLE η = 81.8**
N211/N341	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.5	η = 0.2	x: 0.085 m η = 28.1	x: 5.415 m η = 54.3	x: 3.083 m η = 3.0	x: 0.085 m η = 4.6	x: 0.085 m η = 28.1	x: 5.415 m η = 54.4	x: 0.085 m η = 8.1	x: 5.415 m η = 29.7	x: 0.085 m η = 79.1	x: 5.415 m η = 79.5	x: 5.415 m η = 73.4	**CUMPLE η = 79.5**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N341/N471	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.5	η = 1.1	x: 5.415 m η = 36.7	x: 5.415 m η = 54.5	x: 2.417 m η = 3.0	x: 5.415 m η = 4.9	x: 5.415 m η = 36.7	x: 5.415 m η = 54.7	x: 5.415 m η = 13.7	x: 5.415 m η = 30.0	x: 5.415 m η = 81.9	x: 0.085 m η = 76.6	x: 5.415 m η = 75.5	**CUMPLE η = 81.9**
N471/N556	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.088 m η = 0.3	x: 1.088 m η = 0.3	η = 4.6	x: 0.085 m η = 38.7	x: 0.085 m η = 54.0	x: 0.887 m η = 9.9	x: 0.085 m η = 4.8	x: 0.085 m η = 41.3	x: 0.085 m η = 55.6	x: 0.085 m η = 17.3	x: 0.085 m η = 31.8	x: 0.085 m η = 61.1	x: 0.085 m η = 86.5	x: 0.085 m η = 77.3	**CUMPLE η = 86.5**
N552/N78	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.496 m η = 0.8	x: 0.496 m η = 0.9	η = 1.6	x: 1.365 m η = 30.4	x: 1.365 m η = 52.3	η = 11.4	x: 1.365 m η = 4.6	x: 1.365 m η = 31.2	x: 1.365 m η = 53.2	x: 1.365 m η = 10.0	x: 1.365 m η = 29.6	x: 1.365 m η = 55.2	x: 1.365 m η = 78.9	x: 1.365 m η = 71.6	**CUMPLE η = 78.9**
N78/N209	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.9	η = 4.7	η = 1.1	x: 5.415 m η = 29.5	x: 5.415 m η = 45.5	x: 3.083 m η = 2.5	x: 5.415 m η = 4.7	x: 5.415 m η = 29.6	x: 5.415 m η = 45.7	x: 5.415 m η = 9.0	x: 5.415 m η = 20.9	x: 0.085 m η = 72.1	x: 5.415 m η = 72.5	x: 0.085 m η = 68.0	**CUMPLE η = 72.5**
N209/N339	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.2	η = 2.9	η = 0.2	x: 5.415 m η = 28.8	x: 5.415 m η = 46.2	x: 3.083 m η = 2.5	x: 5.415 m η = 4.6	x: 5.415 m η = 28.9	x: 5.415 m η = 46.3	x: 5.415 m η = 8.6	x: 5.415 m η = 21.5	x: 0.085 m η = 69.6	x: 5.415 m η = 70.8	x: 5.415 m η = 65.5	**CUMPLE η = 70.8**
N339/N469	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.8	η = 1.2	x: 5.415 m η = 31.3	x: 0.085 m η = 45.4	x: 2.417 m η = 2.5	x: 5.415 m η = 4.7	x: 5.415 m η = 31.3	x: 0.085 m η = 45.6	x: 5.415 m η = 10.0	x: 0.085 m η = 20.9	x: 5.415 m η = 73.2	x: 0.085 m η = 70.7	x: 5.415 m η = 68.0	**CUMPLE η = 73.2**
N469/N555	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.954 m η = 0.7	x: 0.954 m η = 0.8	η = 2.3	x: 0.085 m η = 32.0	x: 0.085 m η = 52.3	x: 0.737 m η = 11.5	x: 0.085 m η = 4.7	x: 0.085 m η = 33.3	x: 0.085 m η = 53.2	x: 0.085 m η = 11.3	x: 0.085 m η = 29.6	x: 0.085 m η = 54.5	x: 0.085 m η = 79.0	x: 0.085 m η = 71.5	**CUMPLE η = 79.0**
N553/N76	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.777 m η = 1.1	x: 0.777 m η = 1.0	η = 2.5	x: 1.015 m η = 19.8	x: 1.015 m η = 37.8	x: 0.777 m η = 11.4	x: 1.015 m η = 3.8	x: 1.015 m η = 21.2	x: 1.015 m η = 38.0	x: 1.015 m η = 4.6	x: 1.015 m η = 15.7	x: 1.015 m η = 36.4	x: 1.015 m η = 51.9	x: 1.015 m η = 48.0	**CUMPLE η = 51.9**
N76/N207	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.083 m η = 0.6	x: 3.083 m η = 1.5	η = 0.9	x: 5.415 m η = 29.8	x: 5.415 m η = 34.3	x: 3.083 m η = 1.9	x: 5.415 m η = 4.6	x: 5.415 m η = 29.8	x: 5.415 m η = 34.4	x: 5.415 m η = 9.1	x: 5.415 m η = 11.8	x: 0.085 m η = 54.9	x: 5.415 m η = 55.6	x: 0.085 m η = 51.9	**CUMPLE η = 55.6**
N207/N337	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.6	η = 0.1	x: 5.415 m η = 28.4	x: 5.415 m η = 35.0	x: 3.083 m η = 1.9	x: 5.415 m η = 4.5	x: 5.415 m η = 28.4	x: 5.415 m η = 35.0	x: 5.415 m η = 8.3	x: 5.415 m η = 12.3	x: 5.415 m η = 53.0	x: 5.415 m η = 51.7	x: 5.415 m η = 48.9	**CUMPLE η = 53.0**
N337/N467	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 1.4	η = 1.1	x: 0.085 m η = 29.3	x: 0.085 m η = 34.3	x: 2.417 m η = 1.9	x: 0.085 m η = 4.6	x: 0.085 m η = 29.3	x: 0.085 m η = 34.3	x: 0.085 m η = 8.8	x: 0.085 m η = 11.8	x: 5.415 m η = 55.2	x: 0.085 m η = 55.1	x: 5.415 m η = 52.2	**CUMPLE η = 55.2**
N467/N554	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.561 m η = 1.1	x: 0.561 m η = 1.0	η = 3.0	x: 0.085 m η = 20.7	x: 0.085 m η = 37.5	x: 0.323 m η = 11.3	x: 0.085 m η = 3.9	x: 0.085 m η = 22.4	x: 0.085 m η = 37.6	x: 0.085 m η = 5.2	x: 0.085 m η = 15.3	x: 0.085 m η = 35.9	x: 0.085 m η = 51.5	x: 0.085 m η = 47.7	**CUMPLE η = 51.5**
N73/N604	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.034 m η = 3.0	x: 1.034 m η = 3.8	x: 1.034 m η = 1.2	x: 0.085 m η = 4.9	x: 0.085 m η = 14.3	x: 0.797 m η = 0.9	x: 1.034 m η = 0.9	x: 0.085 m η = 5.2	x: 0.085 m η = 14.8	x: 0.085 m η = 0.3	x: 0.085 m η = 2.2	x: 0.085 m η = 22.1	x: 0.085 m η = 19.5	x: 0.085 m η = 21.2	**CUMPLE η = 22.1**
N604/N606	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.055 m η = 1.4	x: 1.055 m η = 2.3	η = 1.0	x: 0.066 m η = 0.7	x: 0.066 m η = 7.3	η = 0.6	x: 0.066 m η = 0.2	x: 0.066 m η = 0.8	x: 0.066 m η = 7.5	x: 0.066 m η < 0.1	x: 0.066 m η = 0.6	x: 0.066 m η = 10.7	x: 0.066 m η = 10.0	x: 0.066 m η = 11.2	**CUMPLE η = 11.2**
N606/N602	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.787 m η = 1.3	x: 0.787 m η = 2.1	x: 0.54 m η = 1.0	x: 0.045 m η = 0.4	x: 1.034 m η = 2.4	η = 0.6	x: 1.034 m η = 0.1	x: 1.034 m η = 0.6	x: 1.034 m η = 2.6	x: 1.033 m η < 0.1	x: 1.034 m η = 0.1	x: 0.045 m η = 4.9	x: 1.034 m η = 5.2	x: 1.034 m η = 5.0	**CUMPLE η = 5.2**
N602/N607	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 1.0	η = 0.9	x: 1.055 m η = 0.7	x: 1.055 m η = 7.0	η = 0.6	x: 1.055 m η = 0.2	x: 1.055 m η = 0.8	x: 1.055 m η = 7.2	x: 1.054 m η < 0.1	x: 1.055 m η = 0.5	x: 1.055 m η = 10.7	x: 1.055 m η = 8.8	x: 1.055 m η = 9.7	**CUMPLE η = 10.7**
N607/N204	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 1.1	η = 0.7	x: 1.015 m η = 1.6	x: 1.015 m η = 13.2	η = 0.8	x: 1.015 m η = 0.3	x: 1.015 m η = 1.9	x: 1.015 m η = 13.5	x: 1.015 m η < 0.1	x: 1.015 m η = 1.8	x: 1.015 m η = 20.1	x: 1.015 m η = 15.5	x: 1.015 m η = 17.4	**CUMPLE η = 20.1**
N204/N597	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.3	η = 1.1	η = 1.0	x: 0.085 m η = 0.8	x: 0.085 m η = 14.1	x: 1.033 m η = 0.9	x: 0.085 m η = 0.2	x: 0.085 m η = 1.2	x: 0.085 m η = 14.5	x: 0.085 m η < 0.1	x: 0.085 m η = 2.1	x: 0.085 m η = 20.9	x: 0.085 m η = 15.9	x: 0.085 m η = 18.9	**CUMPLE η = 20.9**
N597/N599	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.6	η = 0.3	x: 0.066 m η = 0.3	x: 0.066 m η = 7.2	η = 0.6	x: 0.066 m η = 0.1	x: 0.066 m η = 0.5	x: 0.066 m η = 7.3	x: 0.066 m η < 0.1	x: 0.066 m η = 0.5	x: 0.066 m η = 9.9	x: 0.066 m η = 8.4	x: 0.066 m η = 9.6	**CUMPLE η = 9.9**
N599/N595	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.6	η = 0.5	x: 1.034 m η = 0.2	x: 1.034 m η = 2.4	η = 0.6	x: 1.034 m η = 0.1	x: 1.034 m η = 0.4	x: 1.034 m η = 2.6	x: 1.033 m η < 0.1	x: 1.034 m η = 0.1	x: 1.034 m η = 3.9	x: 1.034 m η = 3.6	x: 1.034 m η = 3.6	**CUMPLE η = 3.9**
N595/N600	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.561 m η = 1.3	x: 0.561 m η = 1.5	η = 0.3	x: 1.055 m η = 0.7	x: 1.055 m η = 7.0	x: 0.561 m η = 0.6	x: 0.066 m η = 0.2	x: 1.055 m η = 0.7	x: 1.055 m η = 7.1	x: 1.054 m η < 0.1	x: 1.055 m η = 0.5	x: 1.055 m η = 10.9	x: 1.055 m η = 9.1	x: 1.055 m η = 10.0	**CUMPLE η = 10.9**
N600/N334	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.2	η = 1.4	η = 0.6	x: 1.015 m η = 1.3	x: 1.015 m η = 13.2	η = 0.7	x: 1.015 m η = 0.3	x: 1.015 m η = 1.5	x: 1.015 m η = 13.5	x: 1.014 m η < 0.1	x: 1.015 m η = 1.8	x: 1.015 m η = 20.0	x: 1.015 m η = 15.7	x: 1.015 m η = 17.8	**CUMPLE η = 20.0**
N334/N589	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.3	η = 1.1	x: 1.034 m η = 1.1	x: 0.085 m η = 1.1	x: 0.085 m η = 14.0	η = 0.9	x: 0.085 m η = 0.2	x: 0.085 m η = 1.5	x: 0.085 m η = 14.4	x: 0.085 m η < 0.1	x: 0.085 m η = 2.1	x: 0.085 m η = 21.2	x: 0.085 m η = 16.0	x: 0.085 m η = 18.8	**CUMPLE η = 21.2**
N589/N588	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.8	η = 1.0	x: 0.808 m η = 0.3	x: 0.066 m η = 7.1	η = 0.6	x: 0.066 m η = 0.1	x: 0.066 m η = 0.6	x: 0.066 m η = 7.3	x: 0.066 m η < 0.1	x: 0.066 m η = 0.5	x: 0.066 m η = 9.8	x: 0.066 m η = 8.3	x: 0.066 m η = 9.5	**CUMPLE η = 9.8**
N588/N587	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.8	η = 1.1	x: 1.033 m η = 0.3	x: 1.034 m η = 2.6	η = 0.6	x: 0.045 m η = 0.1	x: 0.045 m η = 0.6	x: 1.034 m η = 2.9	x: 0.045 m η < 0.1	x: 1.034 m η = 0.1	x: 1.034 m η = 4.4	x: 1.034 m η = 4.1	x: 1.034 m η = 4.0	**CUMPLE η = 4.4**
N587/N586	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.561 m η = 2.5	x: 0.561 m η = 3.5	η = 1.0	x: 1.055 m η = 1.1	x: 1.055 m η = 7.1	η = 0.6	x: 1.055 m η = 0.3	x: 1.055 m η = 1.2	x: 1.055 m η = 7.2	x: 1.054 m η < 0.1	x: 1.055 m η = 0.5	x: 1.055 m η = 12.7	x: 1.055 m η = 11.4	x: 1.055 m η = 12.2	**CUMPLE η = 12.7**
N586/N464	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.288 m η = 2.5	x: 0.288 m η = 3.5	η = 0.9	x: 1.015 m η = 4.2	x: 1.015 m η = 13.4	η = 0.8	x: 0.045 m η = 0.7	x: 1.015 m η = 4.4	x: 1.015 m η = 13.8	x: 1.015 m η = 0.2	x: 1.015 m η = 1.9	x: 1.015 m η = 20.8	x: 1.015 m η = 18.6	x: 1.015 m η = 20.0	**CUMPLE η = 20.8**
N12/N605	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.826 m η = 2.8	x: 0.826 m η = 2.5	η = 0.9	x: 0.137 m η = 15.3	x: 0.137 m η = 9.2	η = 0.4	x: 0.137 m η = 2.7	x: 0.137 m η = 15.6	x: 0.137 m η = 9.4	x: 0.137 m η = 2.5	x: 0.137 m η = 0.9	x: 0.137 m η = 32.9	x: 0.137 m η = 27.0	x: 0.137 m η = 24.3	**CUMPLE η = 32.9**
N605/N603	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.033 m η = 2.6	x: 1.033 m η = 2.3	η = 1.0	x: 0.045 m η = 3.0	x: 0.045 m η = 6.1	η = 0.4	x: 1.033 m η = 0.5	x: 0.045 m η = 3.1	x: 0.045 m η = 6.1	x: 0.045 m η = 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 13.9	x: 0.045 m η = 11.4	x: 0.045 m η = 11.0	**CUMPLE η = 13.9**
N603/N609	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.1	η = 1.0	x: 0.066 m η = 1.2	x: 0.066 m η = 2.1	η = 0.5	x: 1.055 m η = 0.3	x: 0.066 m η = 1.3	x: 0.066 m η = 2.3	x: 0.066 m η < 0.1	x: 0.066 m η = 0.1	x: 0.066 m η = 4.8	x: 1.055 m η = 1.8	x: 0.066 m η = 3.2	**CUMPLE η = 4.8**
N609/N601	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.1	η = 1.1	x: 1.034 m η = 2.9	x: 1.034 m η = 6.4	η = 0.5	x: 1.034 m η = 0.5	x: 1.034 m η = 3.0	x: 1.034 m η = 6.7	x: 1.034 m η = 0.1	x: 1.034 m η = 0.4	x: 1.034 m η = 12.1	x: 1.034 m η = 3.3	x: 1.034 m η = 8.9	**CUMPLE η = 12.1**
N601/N144	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.4	η = 2.2	η = 1.0	x: 0.963 m η = 15.9	x: 0.963 m η = 8.3	x: 0.29 m η = 0.2	x: 0.963 m η = 3.0	x: 0.963 m η = 16.2	x: 0.963 m η = 8.5	x: 0.963 m η = 2.7	x: 0.963 m η = 0.7	x: 0.963 m η = 31.2	x: 0.963 m η = 26.6	x: 0.963 m η = 24.3	**CUMPLE η = 31.2**
N144/N598	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.826 m η = 1.2	x: 0.826 m η = 1.6	η = 0.6	x: 0.137 m η = 14.3	x: 0.137 m η = 9.2	x: 0.826 m η = 0.4	x: 0.137 m η = 2.5	x: 0.137 m η = 14.6	x: 0.137 m η = 9.4	x: 0.137 m η = 2.2	x: 0.137 m η = 0.9	x: 0.137 m η = 30.6	x: 0.137 m η = 25.4	x: 0.137 m η = 22.7	**CUMPLE η = 30.6**
N598/N596	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.2	η = 1.5	η = 0.2	x: 0.045 m η = 3.1	x: 0.045 m η = 6.2	η = 0.4	x: 0.045 m η = 0.5	x: 0.045 m η = 3.2	x: 0.045 m η = 6.3	x: 0.045 m η = 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 13.0	x: 0.045 m η = 10.9	x: 0.045 m η = 10.2	**CUMPLE η = 13.0**
N596/N608	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.561 m η = 0.6	x: 0.561 m η = 0.6	x: 0.561 m η = 0.3	x: 1.055 m η = 1.0	x: 1.055 m η = 2.1	x: 0.561 m η = 0.5	x: 0.066 m η = 0.3	x: 1.055 m η = 1.2	x: 1.055 m η = 2.3	x: 1.054 m η < 0.1	x: 1.055 m η = 0.1	x: 0.066 m η = 4.6	x: 1.055 m η = 3.8	x: 1.055 m η = 3.4	**CUMPLE η = 4.6**
N608/N594	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.5	η = 0.3	x: 1.034 m η = 3.0	x: 1.034 m η = 6.6	η = 0.5	x: 1.034 m η = 0.5	x: 1.034 m η = 3.1	x: 1.034 m η = 6.7	x: 1.034 m η = 0.1	x: 1.034 m η = 0.5	x: 1.034 m η = 12.6	x: 1.034 m η = 10.1	x: 1.034 m η = 9.4	**CUMPLE η = 12.6**
N594/N275	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 1.7	η = 0.7	x: 0.963 m η = 15.4	x: 0.963 m η = 8.5	η = 0.2	x: 0.963 m η = 2.9	x: 0.963 m η = 15.7	x: 0.963 m η = 8.7	x: 0.963 m η = 2.6	x: 0.963 m η = 0.8	x: 0.963 m η = 30.8	x: 0.963 m η = 25.9	x: 0.963 m η = 23.4	**CUMPLE η = 30.8**
N275/N593	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.5	η = 1.6	η = 0.9	x: 0.137 m η = 14.8	x: 0.137 m η = 9.1	η = 0.4	x: 0.137 m η = 2.6	x: 0.137 m η = 15.0	x: 0.137 m η = 9.3	x: 0.137 m η = 2.3	x: 0.137 m η = 0.9	x: 0.137 m η = 31.0	x: 0.137 m η = 25.7	x: 0.137 m η = 23.1	**CUMPLE η = 31.0**
N593/N592	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.3	η = 1.4	η = 1.0	x: 0.045 m η = 2.9	x: 0.045 m η = 6.0	η = 0.4	x: 0.045 m η = 0.5	x: 0.045 m η = 3.0	x: 0.045 m η = 6.0	x: 0.045 m η = 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 12.6	x: 0.045 m η = 10.4	x: 0.045 m η = 9.7	**CUMPLE η = 12.6**
N592/N591	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.561 m η = 1.3	x: 0.561 m η = 0.9	η = 1.1	x: 1.055 m η = 1.1	x: 1.055 m η = 2.2	η = 0.5	x: 0.066 m η = 0.3	x: 1.055 m η = 1.3	x: 1.055 m η = 2.4	x: 1.054 m η < 0.1	x: 1.055 m η = 0.1	x: 1.055 m η = 5.8	x: 1.055 m η = 4.5	x: 1.055 m η = 4.3	**CUMPLE η = 5.8**
N591/N590	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 1.4	x: 0.045 m η = 0.9	η = 1.1	x: 1.033 m η = 2.8	x: 1.034 m η = 6.6	η = 0.5	x: 0.045 m η = 0.5	x: 1.033 m η = 3.0	x: 1.034 m η = 6.8	x: 1.033 m η = 0.1	x: 1.034 m η = 0.5	x: 1.034 m η = 13.4	x: 1.034 m η = 10.5	x: 1.034 m η = 10.2	**CUMPLE η = 13.4**
N590/N405	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.515 m η = 2.7	x: 0.515 m η = 2.8	η = 1.0	x: 0.963 m η = 16.7	x: 0.963 m η = 8.6	x: 0.29 m η = 0.2	x: 0.963 m η = 3.1	x: 0.963 m η = 17.1	x: 0.963 m η = 8.9	x: 0.963 m η = 3.0	x: 0.963 m η = 0.8	x: 0.963 m η = 34.0	x: 0.963 m η = 28.1	x: 0.963 m η = 25.8	**CUMPLE η = 34.0**
N590/N464	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.376 m η = 0.9	x: 0.085 m η = 0.3	η = 3.2	x: 0.085 m η = 3.1	x: 1.377 m η = 8.5	η = 0.5	x: 0.085 m η = 0.4	x: 0.085 m η = 4.4	x: 1.377 m η = 9.8	x: 0.085 m η = 0.2	x: 1.377 m η = 1.0	x: 1.377 m η = 16.5	x: 1.377 m η = 11.2	x: 1.377 m η = 11.6	**CUMPLE η = 16.5**
N590/N587	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.406 m η = 3.1	x: 0.085 m η = 4.1	η = 1.5	x: 0.085 m η = 2.4	x: 0.085 m η = 2.8	x: 1.406 m η = 0.1	x: 1.406 m η = 0.3	x: 0.085 m η = 3.1	x: 0.085 m η = 3.5	x: 0.085 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 11.3	x: 0.085 m η = 10.6	x: 0.085 m η = 8.6	**CUMPLE η = 11.3**
N592/N587	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.407 m η = 2.7	x: 1.407 m η = 3.9	x: 0.526 m η = 0.1	x: 1.407 m η = 0.2	x: 0.085 m η = 1.4	x: 1.406 m η = 0.1	x: 1.406 m η = 0.1	x: 0.085 m η = 0.2	x: 0.085 m η = 1.4	x: 0.085 m η < 0.1	x: 0.085 m η < 0.1	x: 0.085 m η = 4.3	x: 0.085 m η = 5.3	x: 0.085 m η = 5.4	**CUMPLE η = 5.4**
N592/N589	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.305 m η = 3.8	x: 0.305 m η = 3.6	η = 1.5	x: 1.407 m η = 0.4	x: 1.407 m η = 2.8	η = 0.2	x: 0.085 m η = 0.1	x: 1.407 m η = 1.1	x: 1.407 m η = 3.5	x: 1.406 m η < 0.1	x: 1.407 m η = 0.1	x: 1.407 m η = 9.3	x: 1.407 m η = 8.1	x: 1.407 m η = 7.3	**CUMPLE η = 9.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N275/N589	w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	x: 0.186 m η = 1.6	η = 3.0	x: 0.186 m η = 10.4	x: 1.407 m η = 4.3	η = 0.2	x: 0.186 m η = 1.3	x: 0.186 m η = 11.7	x: 1.407 m η = 5.6	x: 0.186 m η = 1.4	x: 1.407 m η = 0.3	x: 1.407 m η = 15.0	x: 0.186 m η = 16.2	x: 0.186 m η = 14.7	**CUMPLE η = 16.2**
N593/N589	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.725 m η = 1.7	x: 0.725 m η = 1.8	η = 0.8	x: 0.058 m η = 1.3	x: 0.058 m η = 5.4	x: 0.725 m η = 1.0	x: 0.725 m η = 0.2	x: 0.058 m η = 1.4	x: 0.058 m η = 5.4	x: 0.058 m η < 0.1	x: 0.058 m η = 0.3	x: 0.058 m η = 9.1	x: 0.058 m η = 8.6	x: 0.058 m η = 8.7	**CUMPLE η = 9.1**
N592/N588	w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	x: 0.061 m η = 0.1	η = 0.9	x: 0.061 m η = 0.4	x: 0.95 m η = 1.0	η = 0.2	η = 0.1	x: 0.061 m η = 0.6	x: 0.95 m η = 1.2	x: 0.061 m η < 0.1	x: 0.949 m η < 0.1	N.P.[1]	x: 0.95 m η = 1.7	x: 0.95 m η = 1.4	**CUMPLE η = 1.7**
N590/N586	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.949 m η = 0.2	x: 0.061 m η = 0.6	η = 0.8	x: 0.95 m η = 1.9	x: 0.061 m η = 4.4	x: 0.506 m η = 0.8	x: 0.061 m η = 0.4	x: 0.95 m η = 2.0	x: 0.061 m η = 4.5	x: 0.95 m η < 0.1	x: 0.061 m η = 0.2	N.P.[1]	x: 0.061 m η = 6.4	x: 0.061 m η = 6.0	**CUMPLE η = 6.4**
N594/N334	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.376 m η = 0.9	x: 0.085 m η < 0.1	x: 1.162 m η = 3.2	x: 0.085 m η = 2.3	x: 1.377 m η = 8.1	x: 1.162 m η = 0.5	x: 1.376 m η = 0.3	x: 0.085 m η = 3.6	x: 1.377 m η = 9.4	x: 0.085 m η = 0.1	x: 1.377 m η = 0.9	x: 1.377 m η = 14.7	x: 1.377 m η = 11.2	x: 1.377 m η = 10.2	**CUMPLE η = 14.7**
N594/N595	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.966 m η = 2.0	x: 0.966 m η = 3.2	x: 0.966 m η = 1.5	x: 0.085 m η = 2.3	x: 0.085 m η = 2.8	x: 0.966 m η = 0.1	x: 1.406 m η = 0.3	x: 0.085 m η = 2.9	x: 0.085 m η = 3.5	x: 0.085 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 9.8	x: 0.085 m η = 9.5	x: 0.085 m η = 7.6	**CUMPLE η = 9.8**
N596/N595	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.406 m η = 1.7	x: 0.085 m η = 2.1	η < 0.1	x: 0.085 m η = 0.3	x: 0.085 m η = 1.2	η = 0.1	x: 1.406 m η = 0.1	x: 0.085 m η = 0.3	x: 0.085 m η = 1.3	x: 0.085 m η < 0.1	x: 0.085 m η < 0.1	x: 0.085 m η = 3.3	x: 0.085 m η = 3.7	x: 0.085 m η = 3.7	**CUMPLE η = 3.7**
N596/N597	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.085 m η = 2.7	x: 0.085 m η = 2.7	x: 0.085 m η = 1.6	x: 1.407 m η = 0.4	x: 1.407 m η = 2.9	x: 0.085 m η = 0.2	x: 0.085 m η = 0.1	x: 1.407 m η = 1.1	x: 1.407 m η = 3.6	x: 1.406 m η < 0.1	x: 1.407 m η = 0.1	x: 1.407 m η = 8.1	x: 1.407 m η = 7.1	x: 1.407 m η = 6.1	**CUMPLE η = 8.1**
N144/N597	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.406 m η < 0.1	x: 0.186 m η = 1.2	x: 1 m η = 3.0	x: 0.186 m η = 10.0	x: 1.407 m η = 4.3	x: 1 m η = 0.2	x: 0.186 m η = 1.2	x: 0.186 m η = 11.3	x: 1.407 m η = 5.6	x: 0.186 m η = 1.3	x: 1.407 m η = 0.3	x: 0.186 m η = 17.9	x: 0.186 m η = 15.7	x: 0.186 m η = 13.7	**CUMPLE η = 17.9**
N598/N597	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.725 m η = 1.7	x: 0.725 m η = 1.8	η = 0.1	x: 0.058 m η = 1.3	x: 0.058 m η = 5.0	x: 0.725 m η = 0.9	x: 0.058 m η = 0.2	x: 0.058 m η = 1.4	x: 0.058 m η = 5.0	x: 0.058 m η < 0.1	x: 0.058 m η = 0.3	x: 0.058 m η = 8.9	x: 0.058 m η = 8.2	x: 0.058 m η = 8.2	**CUMPLE η = 8.9**
N596/N599	w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	x: 0.061 m η = 0.1	x: 0.283 m η = 0.4	x: 0.061 m η = 0.4	x: 0.95 m η = 0.5	x: 0.728 m η = 0.1	x: 0.949 m η = 0.1	x: 0.061 m η = 0.6	x: 0.95 m η = 0.6	x: 0.061 m η < 0.1	x: 0.949 m η < 0.1	N.P.[1]	x: 0.061 m η = 1.1	x: 0.95 m η = 0.7	**CUMPLE η = 1.1**
N594/N600	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.949 m η < 0.1	x: 0.061 m η = 0.1	η = 0.2	x: 0.95 m η = 1.7	x: 0.061 m η = 4.0	x: 0.506 m η = 0.7	x: 0.061 m η = 0.3	x: 0.95 m η = 1.8	x: 0.061 m η = 4.1	x: 0.95 m η < 0.1	x: 0.061 m η = 0.2	x: 0.95 m η = 4.3	x: 0.061 m η = 5.8	x: 0.061 m η = 5.4	**CUMPLE η = 5.8**
N601/N204	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.162 m η = 1.3	x: 1.162 m η < 0.1	x: 1.162 m η = 3.2	x: 0.085 m η = 2.4	x: 1.377 m η = 8.2	x: 1.162 m η = 0.5	x: 1.162 m η = 0.3	x: 0.085 m η = 3.7	x: 1.377 m η = 9.5	x: 0.085 m η = 0.1	x: 1.377 m η = 0.9	x: 1.377 m η = 15.4	x: 1.377 m η = 10.8	x: 1.377 m η = 11.5	**CUMPLE η = 15.4**
N601/N602	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.966 m η = 2.9	x: 0.966 m η = 4.8	x: 1.406 m η = 1.5	x: 0.085 m η = 2.4	x: 0.085 m η = 2.8	x: 1.406 m η = 0.1	x: 1.406 m η = 0.3	x: 0.085 m η = 3.0	x: 0.085 m η = 3.4	x: 0.085 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 10.7	x: 0.085 m η = 11.2	x: 0.085 m η = 9.3	**CUMPLE η = 11.2**
N603/N602	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.526 m η = 2.9	x: 0.526 m η = 3.2	η = 0.1	x: 0.085 m η = 0.3	x: 0.085 m η = 1.3	x: 0.526 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 0.3	x: 0.085 m η = 1.3	x: 0.085 m η < 0.1	x: 0.085 m η < 0.1	x: 0.085 m η = 4.6	x: 0.085 m η = 4.7	x: 0.085 m η = 4.8	**CUMPLE η = 4.8**
N603/N604	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.406 m η = 3.3	x: 0.085 m η = 4.1	η = 1.6	x: 1.407 m η = 0.7	x: 1.407 m η = 2.9	η = 0.2	x: 1.406 m η = 0.1	x: 1.407 m η = 1.2	x: 1.407 m η = 3.6	x: 1.406 m η < 0.1	x: 1.407 m η = 0.1	x: 1.407 m η = 8.9	x: 1.407 m η = 8.8	x: 1.407 m η = 7.8	**CUMPLE η = 8.9**
N12/N604	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.406 m η = 0.3	x: 0.186 m η = 1.1	η = 3.0	x: 0.186 m η = 10.8	x: 1.407 m η = 4.6	η = 0.3	x: 0.186 m η = 1.3	x: 0.186 m η = 12.2	x: 1.407 m η = 5.9	x: 0.186 m η = 1.5	x: 1.407 m η = 0.4	x: 0.186 m η = 18.8	x: 0.186 m η = 15.8	x: 0.186 m η = 14.7	**CUMPLE η = 18.8**
N605/N604	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.946 m η = 1.7	x: 0.058 m η = 1.9	η = 0.7	x: 0.058 m η = 1.5	x: 0.058 m η = 5.3	x: 0.503 m η = 1.0	x: 0.058 m η = 0.3	x: 0.058 m η = 1.6	x: 0.058 m η = 5.3	x: 0.058 m η < 0.1	x: 0.058 m η = 0.3	x: 0.058 m η = 9.6	x: 0.058 m η = 8.8	x: 0.058 m η = 8.7	**CUMPLE η = 9.6**
N603/N606	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.949 m η < 0.1	x: 0.061 m η = 0.1	η = 0.8	x: 0.061 m η = 0.4	x: 0.95 m η = 0.8	x: 0.506 m η = 0.2	x: 0.061 m η = 0.1	x: 0.061 m η = 0.6	x: 0.95 m η = 1.0	x: 0.061 m η < 0.1	x: 0.949 m η < 0.1	N.P.[1]	x: 0.95 m η = 1.5	x: 0.95 m η = 1.2	**CUMPLE η = 1.5**
N601/N607	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.949 m η < 0.1	x: 0.061 m η = 0.2	η = 0.7	x: 0.95 m η = 1.8	x: 0.061 m η = 4.6	x: 0.283 m η = 0.8	x: 0.061 m η = 0.4	x: 0.95 m η = 1.9	x: 0.061 m η = 4.7	x: 0.95 m η < 0.1	x: 0.061 m η = 0.2	x: 0.061 m η = 7.6	x: 0.061 m η = 6.3	x: 0.061 m η = 6.0	**CUMPLE η = 7.6**
N591/N587	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.946 m η = 0.5	x: 0.058 m η = 0.4	η = 0.8	x: 0.058 m η = 0.1	x: 0.947 m η = 0.8	η = 0.1	x: 0.058 m η < 0.1	x: 0.946 m η = 0.4	x: 0.947 m η = 0.9	x: 0.946 m η < 0.1	x: 0.946 m η < 0.1	N.P.[1]	x: 0.947 m η = 1.5	x: 0.947 m η = 1.4	**CUMPLE η = 1.5**
N608/N595	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.946 m η = 0.5	x: 0.058 m η = 0.4	x: 0.946 m η = 0.3	x: 0.058 m η = 0.1	x: 0.947 m η = 0.4	x: 0.946 m η = 0.1	x: 0.946 m η < 0.1	x: 0.058 m η = 0.2	x: 0.947 m η = 0.6	x: 0.058 m η < 0.1	x: 0.946 m η < 0.1	N.P.[1]	x: 0.947 m η = 1.0	x: 0.947 m η = 1.0	**CUMPLE η = 1.0**
N609/N602	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.946 m η = 0.5	x: 0.28 m η = 0.4	η = 0.8	x: 0.946 m η = 0.1	x: 0.947 m η = 0.9	x: 0.946 m η = 0.2	η < 0.1	x: 0.946 m η = 0.4	x: 0.947 m η = 1.0	x: 0.946 m η < 0.1	x: 0.946 m η < 0.1	N.P.[1]	x: 0.947 m η = 1.4	x: 0.947 m η = 1.6	**CUMPLE η = 1.6**
N133/N629	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.034 m η = 3.2	x: 1.034 m η = 4.0	x: 1.034 m η = 1.3	x: 0.085 m η = 4.9	x: 0.085 m η = 14.8	η = 1.0	x: 1.034 m η = 0.9	x: 0.085 m η = 5.1	x: 0.085 m η = 15.3	x: 0.085 m η = 0.3	x: 0.085 m η = 2.4	x: 0.085 m η = 23.1	x: 0.085 m η = 20.3	x: 0.085 m η = 21.8	**CUMPLE η = 23.1**
N629/N632	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.808 m η = 1.4	x: 0.808 m η = 2.3	η = 1.3	x: 0.066 m η = 0.7	x: 0.066 m η = 7.3	η = 0.6	x: 0.066 m η = 0.2	x: 0.066 m η = 0.9	x: 0.066 m η = 7.4	x: 0.066 m η < 0.1	x: 0.066 m η = 0.6	x: 0.066 m η = 10.8	x: 0.066 m η = 9.8	x: 0.066 m η = 11.3	**CUMPLE η = 11.3**
N632/N627	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.5	η = 2.4	η = 1.3	x: 0.045 m η = 0.4	x: 1.034 m η = 2.6	η = 0.6	x: 1.034 m η = 0.2	x: 1.034 m η = 0.8	x: 1.034 m η = 2.8	x: 1.033 m η < 0.1	x: 1.034 m η = 0.1	x: 1.034 m η = 5.6	x: 1.034 m η = 5.8	x: 1.034 m η = 5.6	**CUMPLE η = 5.8**
N627/N630	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.0	η = 1.1	x: 1.055 m η = 1.0	x: 1.055 m η = 7.0	η = 0.6	x: 1.055 m η = 0.3	x: 1.055 m η = 1.0	x: 1.055 m η = 7.0	x: 1.054 m η < 0.1	x: 1.055 m η = 0.5	x: 1.055 m η = 10.8	x: 1.055 m η = 8.9	x: 1.055 m η = 9.6	**CUMPLE η = 10.8**
N630/N264	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 1.1	η = 0.9	x: 1.015 m η = 1.7	x: 1.015 m η = 13.5	η = 0.8	x: 1.015 m η = 0.3	x: 1.015 m η = 2.0	x: 1.015 m η = 13.8	x: 1.015 m η < 0.1	x: 1.015 m η = 1.9	x: 1.015 m η = 20.7	x: 1.015 m η = 15.9	x: 1.015 m η = 17.8	**CUMPLE η = 20.7**
N264/N621	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.034 m η = 1.4	x: 1.034 m η = 1.2	x: 1.033 m η = 1.0	x: 1.034 m η = 1.0	x: 0.085 m η = 15.0	x: 0.797 m η = 1.0	x: 0.085 m η = 0.2	x: 1.034 m η = 1.4	x: 0.085 m η = 15.5	x: 1.033 m η < 0.1	x: 0.085 m η = 2.4	x: 0.085 m η = 22.2	x: 0.085 m η = 17.0	x: 0.085 m η = 20.2	**CUMPLE η = 22.2**
N621/N624	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.6	x: 1.055 m η = 0.5	x: 0.066 m η = 0.2	x: 0.066 m η = 7.8	x: 1.055 m η = 0.7	x: 0.066 m η = 0.1	x: 0.066 m η = 0.4	x: 0.066 m η = 8.0	x: 0.066 m η < 0.1	x: 0.066 m η = 0.6	x: 0.066 m η = 10.5	x: 0.066 m η = 9.0	x: 0.066 m η = 10.4	**CUMPLE η = 10.5**
N624/N619	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.6	η = 0.6	x: 1.034 m η = 0.2	x: 1.034 m η = 2.6	η = 0.6	x: 1.034 m η = 0.1	x: 1.034 m η = 0.5	x: 1.034 m η = 2.9	x: 1.033 m η < 0.1	x: 1.034 m η = 0.1	x: 1.034 m η = 4.3	x: 1.034 m η = 4.0	x: 1.034 m η = 3.9	**CUMPLE η = 4.3**
N619/N622	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.561 m η = 1.2	x: 0.561 m η = 1.4	η = 0.4	x: 1.055 m η = 0.9	x: 1.055 m η = 7.5	η = 0.6	x: 0.066 m η = 0.2	x: 1.055 m η = 1.0	x: 1.055 m η = 7.6	x: 1.054 m η < 0.1	x: 1.055 m η = 0.6	x: 1.055 m η = 11.9	x: 1.055 m η = 9.9	x: 1.055 m η = 10.7	**CUMPLE η = 11.9**
N622/N394	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.3	η = 1.5	η = 0.6	x: 1.015 m η = 1.3	x: 1.015 m η = 14.1	x: 0.53 m η = 0.8	x: 1.015 m η = 0.2	x: 1.015 m η = 1.6	x: 1.015 m η = 14.4	x: 1.014 m η < 0.1	x: 1.015 m η = 2.1	x: 1.015 m η = 21.3	x: 1.015 m η = 16.6	x: 1.015 m η = 19.0	**CUMPLE η = 21.3**
N394/N613	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.3	η = 1.0	x: 1.033 m η = 1.1	x: 0.085 m η = 1.1	x: 0.085 m η = 14.5	η = 0.9	x: 0.085 m η = 0.2	x: 0.085 m η = 1.6	x: 0.085 m η = 15.0	x: 0.085 m η < 0.1	x: 0.085 m η = 2.3	x: 0.085 m η = 22.0	x: 0.085 m η = 16.4	x: 0.085 m η = 19.5	**CUMPLE η = 22.0**
N613/N612	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.8	x: 0.808 m η = 1.3	x: 1.054 m η = 0.3	x: 0.066 m η = 7.1	x: 0.808 m η = 0.6	x: 0.066 m η = 0.1	x: 0.808 m η = 0.7	x: 0.066 m η = 7.3	x: 0.808 m η < 0.1	x: 0.066 m η = 0.5	x: 0.066 m η = 9.4	x: 0.066 m η = 8.3	x: 0.066 m η = 9.8	**CUMPLE η = 9.8**
N612/N611	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.8	η = 1.4	x: 1.033 m η = 0.3	x: 1.034 m η = 2.7	η = 0.6	x: 0.045 m η = 0.1	x: 0.787 m η = 0.7	x: 1.034 m η = 3.0	x: 0.787 m η < 0.1	x: 1.034 m η = 0.1	x: 1.034 m η = 4.6	x: 1.034 m η = 4.4	x: 1.034 m η = 4.3	**CUMPLE η = 4.6**
N611/N610	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.808 m η = 2.6	x: 0.808 m η = 3.6	η = 1.3	x: 1.055 m η = 1.4	x: 1.055 m η = 7.2	x: 0.066 m η = 0.6	x: 1.055 m η = 0.3	x: 1.055 m η = 1.4	x: 1.055 m η = 7.3	x: 1.054 m η < 0.1	x: 1.055 m η = 0.5	x: 1.055 m η = 13.3	x: 1.055 m η = 12.0	x: 1.055 m η = 12.6	**CUMPLE η = 13.3**
N610/N524	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 2.7	η = 3.7	η = 1.1	x: 1.015 m η = 4.4	x: 1.015 m η = 13.7	η = 0.8	x: 0.045 m η = 0.8	x: 1.015 m η = 4.6	x: 1.015 m η = 14.1	x: 1.015 m η = 0.2	x: 1.015 m η = 2.0	x: 1.015 m η = 21.5	x: 1.015 m η = 19.3	x: 1.015 m η = 20.7	**CUMPLE η = 21.5**
N5/N633	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.054 m η = 2.9	x: 1.054 m η = 2.6	η = 1.1	x: 0.137 m η = 16.5	x: 0.137 m η = 9.1	x: 0.826 m η = 0.3	x: 0.137 m η = 2.9	x: 0.137 m η = 16.8	x: 0.137 m η = 9.4	x: 0.137 m η = 2.9	x: 0.137 m η = 0.9	x: 0.137 m η = 34.3	x: 0.137 m η = 28.2	x: 0.137 m η = 25.6	**CUMPLE η = 34.3**
N633/N628	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.787 m η = 2.8	x: 0.787 m η = 2.5	η = 1.3	x: 0.045 m η = 3.1	x: 0.045 m η = 6.2	x: 0.787 m η = 0.4	x: 1.034 m η = 0.6	x: 0.045 m η = 3.2	x: 0.045 m η = 6.3	x: 0.045 m η = 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 14.2	x: 0.045 m η = 11.7	x: 0.045 m η = 11.3	**CUMPLE η = 14.2**
N628/N631	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.3	η = 1.3	x: 0.066 m η = 1.3	x: 0.066 m η = 2.2	x: 0.808 m η = 0.5	x: 1.055 m η = 0.4	x: 0.066 m η = 1.4	x: 0.066 m η = 2.3	x: 0.066 m η < 0.1	x: 0.066 m η = 0.1	x: 0.066 m η = 4.9	x: 1.055 m η = 2.6	x: 0.066 m η = 3.4	**CUMPLE η = 4.9**
N631/N626	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.3	η = 1.3	x: 1.034 m η = 3.0	x: 1.034 m η = 6.5	x: 0.045 m η = 0.5	x: 1.034 m η = 0.5	x: 1.034 m η = 3.0	x: 1.034 m η = 6.6	x: 1.034 m η = 0.1	x: 1.034 m η = 0.4	x: 1.034 m η = 12.1	x: 1.034 m η = 4.7	x: 1.034 m η = 9.1	**CUMPLE η = 12.1**
N626/N139	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.5	η = 2.2	η = 1.2	x: 0.963 m η = 17.3	x: 0.963 m η = 8.2	η = 0.2	x: 0.963 m η = 3.2	x: 0.963 m η = 17.6	x: 0.963 m η = 8.5	x: 0.963 m η = 3.2	x: 0.963 m η = 0.7	x: 0.963 m η = 33.1	x: 0.963 m η = 28.2	x: 0.963 m η = 26.0	**CUMPLE η = 33.1**
N139/N625	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.3	η = 1.7	η = 0.5	x: 0.137 m η = 15.5	x: 0.137 m η = 9.6	η = 0.4	x: 0.137 m η = 2.7	x: 0.137 m η = 15.7	x: 0.137 m η = 9.7	x: 0.137 m η = 2.5	x: 0.137 m η = 0.9	x: 0.137 m η = 32.5	x: 0.137 m η = 27.0	x: 0.137 m η = 24.4	**CUMPLE η = 32.5**
N625/N620	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.2	η = 1.5	η = 0.2	x: 0.045 m η = 3.1	x: 0.045 m η = 6.6	x: 0.787 m η = 0.5	x: 0.045 m η = 0.5	x: 0.045 m η = 3.2	x: 0.045 m η = 6.7	x: 0.045 m η = 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 13.5	x: 0.045 m η = 11.3	x: 0.045 m η = 10.5	**CUMPLE η = 13.5**
N620/N623	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.561 m η = 0.7	x: 0.561 m η = 0.7	η = 0.5	x: 1.055 m η = 1.1	x: 1.055 m η = 2.3	x: 0.561 m η = 0.5	x: 0.066 m η = 0.3	x: 1.055 m η = 1.3	x: 1.055 m η = 2.5	x: 1.054 m η < 0.1	x: 1.055 m η = 0.1	x: 1.055 m η = 5.0	x: 1.055 m η = 4.2	x: 1.055 m η = 3.6	**CUMPLE η = 5.0**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N623/N618	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.6	η = 0.4	x: 1.034 m η = 3.0	x: 1.034 m η = 7.1	x: 0.292 m η = 0.5	x: 1.034 m η = 0.5	x: 1.034 m η = 3.1	x: 1.034 m η = 7.2	x: 1.034 m η = 0.1	x: 1.034 m η = 0.5	x: 1.034 m η = 13.3	x: 1.034 m η = 10.8	x: 1.034 m η = 10.0	**CUMPLE η = 13.3**
N618/N270	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.29 m η = 1.1	x: 0.29 m η = 1.8	x: 0.29 m η = 0.7	x: 0.963 m η = 16.6	x: 0.963 m η = 8.7	η = 0.2	x: 0.29 m η = 3.1	x: 0.963 m η = 16.9	x: 0.963 m η = 8.9	x: 0.963 m η = 2.9	x: 0.963 m η = 0.8	x: 0.963 m η = 32.6	x: 0.963 m η = 27.5	x: 0.963 m η = 25.0	**CUMPLE η = 32.6**
N270/N617	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.5	η = 1.6	η = 1.2	x: 0.137 m η = 16.1	x: 0.137 m η = 9.1	η = 0.3	x: 0.137 m η = 2.8	x: 0.137 m η = 16.3	x: 0.137 m η = 9.3	x: 0.137 m η = 2.7	x: 0.137 m η = 0.9	x: 0.137 m η = 32.7	x: 0.137 m η = 27.3	x: 0.137 m η = 24.7	**CUMPLE η = 32.7**
N617/N616	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.4	η = 1.5	η = 1.3	x: 0.045 m η = 3.1	x: 0.045 m η = 6.3	η = 0.5	x: 0.045 m η = 0.5	x: 0.045 m η = 3.1	x: 0.045 m η = 6.3	x: 0.045 m η = 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 13.0	x: 0.045 m η = 10.9	x: 0.045 m η = 10.2	**CUMPLE η = 13.0**
N616/N615	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.561 m η = 1.4	x: 0.561 m η = 0.9	η = 1.4	x: 1.055 m η = 1.2	x: 1.055 m η = 2.2	x: 0.561 m η = 0.5	x: 0.066 m η = 0.3	x: 1.055 m η = 1.4	x: 1.055 m η = 2.4	x: 1.054 m η < 0.1	x: 1.055 m η = 0.1	x: 1.055 m η = 6.0	x: 1.055 m η = 4.6	x: 1.055 m η = 4.5	**CUMPLE η = 6.0**
N615/N614	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.292 m η = 1.5	x: 0.292 m η = 1.0	η = 1.4	x: 1.033 m η = 2.9	x: 1.034 m η = 6.9	x: 0.292 m η = 0.5	x: 0.292 m η = 0.5	x: 1.033 m η = 3.0	x: 1.034 m η = 7.0	x: 1.033 m η = 0.1	x: 1.034 m η = 0.5	x: 1.034 m η = 13.8	x: 1.034 m η = 10.9	x: 1.034 m η = 10.7	**CUMPLE η = 13.8**
N614/N400	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.066 m η = 2.8	x: 0.066 m η = 2.9	η = 1.3	x: 0.963 m η = 18.0	x: 0.963 m η = 8.7	η = 0.2	x: 0.963 m η = 3.3	x: 0.963 m η = 18.4	x: 0.963 m η = 9.0	x: 0.963 m η = 3.5	x: 0.963 m η = 0.8	x: 0.963 m η = 35.8	x: 0.963 m η = 29.6	x: 0.963 m η = 27.5	**CUMPLE η = 35.8**
N614/N524	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.373 m η = 0.9	x: 0.085 m η = 0.3	η = 3.4	x: 0.085 m η = 3.5	x: 1.374 m η = 8.8	η = 0.6	x: 0.085 m η = 0.4	x: 0.085 m η = 4.9	x: 1.374 m η = 10.2	x: 0.085 m η = 0.2	x: 1.374 m η = 1.0	x: 1.374 m η = 17.1	x: 1.374 m η = 11.8	x: 1.374 m η = 12.0	**CUMPLE η = 17.1**
N614/N611	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.964 m η = 3.3	x: 0.964 m η = 4.2	x: 0.964 m η = 1.6	x: 0.085 m η = 2.5	x: 0.085 m η = 3.0	x: 0.964 m η = 0.1	x: 1.402 m η = 0.3	x: 0.085 m η = 3.2	x: 0.085 m η = 3.7	x: 0.085 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 11.8	x: 0.085 m η = 11.0	x: 0.085 m η = 9.0	**CUMPLE η = 11.8**
N616/N611	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.964 m η = 2.8	x: 0.964 m η = 4.0	η = 0.1	x: 0.085 m η = 0.2	x: 0.085 m η = 1.7	η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 0.2	x: 0.085 m η = 1.8	x: 0.085 m η < 0.1	x: 0.085 m η < 0.1	x: 0.085 m η = 4.1	x: 0.085 m η = 5.2	x: 0.085 m η = 5.3	**CUMPLE η = 5.3**
N616/N613	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.085 m η = 4.0	x: 0.085 m η = 3.9	η = 1.6	x: 1.403 m η = 0.3	x: 1.403 m η = 3.0	η = 0.2	x: 0.085 m η = 0.1	x: 1.403 m η = 1.0	x: 1.403 m η = 3.7	x: 1.402 m η < 0.1	x: 1.403 m η = 0.1	x: 1.403 m η = 9.5	x: 1.403 m η = 8.3	x: 1.403 m η = 7.6	**CUMPLE η = 9.5**
N270/N613	w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	x: 0.185 m η = 1.6	η = 3.1	x: 0.185 m η = 11.4	x: 1.403 m η = 4.7	x: 0.997 m η = 0.2	x: 0.185 m η = 1.4	x: 0.185 m η = 12.8	x: 1.403 m η = 6.0	x: 0.185 m η = 1.7	x: 1.403 m η = 0.4	N.P.[1]	x: 0.185 m η = 17.4	x: 0.185 m η = 16.0	**CUMPLE η = 17.4**
N614/N610	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.944 m η = 0.2	x: 0.061 m η = 0.6	η = 1.0	x: 0.945 m η = 1.8	x: 0.061 m η = 4.6	x: 0.503 m η = 0.8	x: 0.503 m η = 0.4	x: 0.945 m η = 1.9	x: 0.061 m η = 4.7	x: 0.945 m η < 0.1	x: 0.061 m η = 0.2	x: 0.061 m η = 3.5	x: 0.061 m η = 6.6	x: 0.061 m η = 6.3	**CUMPLE η = 6.6**
N615/N611	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.941 m η = 0.5	x: 0.058 m η = 0.4	η = 1.0	x: 0.942 m η = 0.3	x: 0.942 m η = 0.8	η = 0.1	x: 0.941 m η = 0.1	x: 0.941 m η = 0.5	x: 0.942 m η = 1.0	η < 0.1	x: 0.941 m η < 0.1	N.P.[1]	x: 0.942 m η = 1.5	x: 0.942 m η = 1.5	**CUMPLE η = 1.5**
N616/N612	w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	x: 0.061 m η = 0.1	η = 1.0	x: 0.061 m η = 0.4	x: 0.945 m η = 1.0	η = 0.2	η = 0.1	x: 0.061 m η = 0.7	x: 0.945 m η = 1.3	x: 0.061 m η < 0.1	x: 0.944 m η < 0.1	N.P.[1]	x: 0.945 m η = 1.8	x: 0.945 m η = 1.4	**CUMPLE η = 1.8**
N617/N613	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.721 m η = 1.8	x: 0.721 m η = 2.0	η = 0.9	x: 0.058 m η = 1.3	x: 0.058 m η = 5.7	x: 0.721 m η = 1.1	x: 0.721 m η = 0.2	x: 0.058 m η = 1.4	x: 0.058 m η = 5.8	x: 0.058 m η < 0.1	x: 0.058 m η = 0.3	x: 0.058 m η = 9.6	x: 0.058 m η = 9.0	x: 0.058 m η = 9.2	**CUMPLE η = 9.6**
N618/N394	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.373 m η = 0.9	x: 0.3 m η < 0.1	x: 1.373 m η = 3.4	x: 0.085 m η = 2.6	x: 1.374 m η = 8.7	x: 1.373 m η = 0.5	x: 1.373 m η = 0.3	x: 0.085 m η = 4.0	x: 1.374 m η = 10.1	x: 0.085 m η = 0.2	x: 1.374 m η = 1.0	x: 1.374 m η = 15.7	x: 1.374 m η = 12.1	x: 1.374 m η = 10.9	**CUMPLE η = 15.7**
N618/N619	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.402 m η = 2.1	x: 0.085 m η = 3.3	x: 0.964 m η = 1.6	x: 0.085 m η = 2.4	x: 0.085 m η = 3.2	η = 0.1	x: 1.402 m η = 0.3	x: 0.085 m η = 3.1	x: 0.085 m η = 3.9	x: 0.085 m η = 0.1	x: 0.085 m η = 0.2	x: 0.085 m η = 10.7	x: 0.085 m η = 10.2	x: 0.085 m η = 8.2	**CUMPLE η = 10.7**
N620/N619	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.402 m η = 1.9	x: 0.085 m η = 2.4	η = 0.3	x: 0.085 m η = 0.3	x: 0.085 m η = 1.4	η = 0.1	x: 1.402 m η = 0.1	x: 0.085 m η = 0.4	x: 0.085 m η = 1.4	x: 0.085 m η < 0.1	x: 0.085 m η < 0.1	x: 0.085 m η = 3.8	x: 0.085 m η = 4.1	x: 0.085 m η = 4.1	**CUMPLE η = 4.1**
N620/N621	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.085 m η = 2.9	x: 0.085 m η = 3.0	x: 0.085 m η = 1.8	x: 1.403 m η = 0.3	x: 1.403 m η = 3.1	x: 0.085 m η = 0.2	x: 0.085 m η = 0.1	x: 1.403 m η = 1.0	x: 1.403 m η = 3.8	x: 1.402 m η < 0.1	x: 1.403 m η = 0.1	x: 1.403 m η = 8.5	x: 1.403 m η = 7.5	x: 1.403 m η = 6.5	**CUMPLE η = 8.5**
N139/N621	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.997 m η = 0.1	x: 0.185 m η = 1.2	x: 0.997 m η = 3.2	x: 0.185 m η = 10.8	x: 1.403 m η = 4.8	η = 0.2	x: 0.997 m η = 1.3	x: 0.185 m η = 12.2	x: 1.403 m η = 6.1	x: 0.185 m η = 1.5	x: 1.403 m η = 0.4	x: 0.185 m η = 19.2	x: 0.185 m η = 16.7	x: 0.185 m η = 14.7	**CUMPLE η = 19.2**
N618/N622	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.944 m η < 0.1	x: 0.061 m η = 0.1	η = 0.3	x: 0.945 m η = 1.7	x: 0.061 m η = 4.2	x: 0.503 m η = 0.7	x: 0.503 m η = 0.4	x: 0.945 m η = 1.9	x: 0.061 m η = 4.4	x: 0.945 m η < 0.1	x: 0.061 m η = 0.2	x: 0.061 m η = 2.9	x: 0.061 m η = 6.2	x: 0.061 m η = 5.7	**CUMPLE η = 6.2**
N623/N619	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.941 m η = 0.5	x: 0.058 m η = 0.4	η = 0.4	x: 0.942 m η = 0.3	x: 0.942 m η = 0.5	η = 0.1	x: 0.279 m η = 0.1	x: 0.058 m η = 0.3	x: 0.942 m η = 0.7	x: 0.058 m η < 0.1	x: 0.941 m η < 0.1	N.P.[1]	x: 0.942 m η = 1.3	x: 0.942 m η = 1.1	**CUMPLE η = 1.3**
N620/N624	w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	x: 0.061 m η = 0.1	x: 0.282 m η = 0.5	x: 0.061 m η = 0.4	x: 0.945 m η = 0.5	x: 0.282 m η = 0.1	x: 0.724 m η = 0.1	x: 0.061 m η = 0.6	x: 0.945 m η = 0.7	x: 0.061 m η < 0.1	x: 0.944 m η < 0.1	N.P.[1]	x: 0.945 m η = 1.3	x: 0.945 m η = 0.8	**CUMPLE η = 1.3**
N625/N621	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.721 m η = 1.8	x: 0.721 m η = 1.9	x: 0.721 m η = 0.2	x: 0.058 m η = 1.4	x: 0.058 m η = 5.2	x: 0.721 m η = 1.0	x: 0.721 m η = 0.2	x: 0.058 m η = 1.5	x: 0.058 m η = 5.2	x: 0.058 m η < 0.1	x: 0.058 m η = 0.3	x: 0.058 m η = 9.4	x: 0.058 m η = 8.6	x: 0.058 m η = 8.5	**CUMPLE η = 9.4**
N626/N264	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.373 m η = 1.3	x: 0.085 m η < 0.1	η = 3.2	x: 0.085 m η = 2.7	x: 1.374 m η = 8.4	η = 0.5	x: 1.373 m η = 0.3	x: 0.085 m η = 4.1	x: 1.374 m η = 9.8	x: 0.085 m η = 0.2	x: 1.374 m η = 1.0	x: 1.374 m η = 15.9	x: 1.374 m η = 11.2	x: 1.374 m η = 11.8	**CUMPLE η = 15.9**
N626/N627	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.964 m η = 3.0	x: 0.964 m η = 4.9	x: 0.964 m η = 1.5	x: 0.085 m η = 2.5	x: 0.085 m η = 3.0	x: 1.402 m η = 0.1	x: 1.402 m η = 0.3	x: 0.085 m η = 3.2	x: 0.085 m η = 3.6	x: 0.085 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 11.2	x: 0.085 m η = 11.6	x: 0.085 m η = 9.7	**CUMPLE η = 11.6**
N628/N627	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.744 m η = 3.2	x: 0.744 m η = 3.5	η = 0.3	x: 0.085 m η = 0.4	x: 0.085 m η = 1.6	x: 0.744 m η = 0.1	x: 0.085 m η = 0.1	x: 0.085 m η = 0.4	x: 0.085 m η = 1.7	x: 0.085 m η < 0.1	x: 0.085 m η < 0.1	x: 0.085 m η = 4.7	x: 0.085 m η = 4.8	x: 0.085 m η = 4.9	**CUMPLE η = 4.9**
N628/N629	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.524 m η = 3.7	x: 0.524 m η = 4.5	η = 1.7	x: 1.403 m η = 0.7	x: 1.403 m η = 3.0	η = 0.2	x: 1.402 m η = 0.1	x: 1.403 m η = 1.1	x: 1.403 m η = 3.8	x: 1.402 m η < 0.1	x: 1.403 m η = 0.1	x: 1.403 m η = 9.2	x: 1.403 m η = 9.1	x: 1.403 m η = 8.1	**CUMPLE η = 9.2**
N5/N629	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.402 m η = 0.3	x: 0.185 m η = 1.1	η = 3.2	x: 0.185 m η = 12.1	x: 1.403 m η = 4.9	η = 0.3	x: 0.185 m η = 1.5	x: 0.185 m η = 13.5	x: 1.403 m η = 6.3	x: 0.185 m η = 1.8	x: 1.403 m η = 0.4	x: 0.185 m η = 20.4	x: 0.185 m η = 17.2	x: 0.185 m η = 16.3	**CUMPLE η = 20.4**
N626/N630	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.944 m η < 0.1	x: 0.061 m η = 0.2	η = 0.9	x: 0.945 m η = 1.9	x: 0.061 m η = 5.2	η = 0.9	x: 0.944 m η = 0.4	x: 0.945 m η = 2.0	x: 0.061 m η = 5.3	x: 0.945 m η < 0.1	x: 0.061 m η = 0.3	x: 0.945 m η = 4.9	x: 0.061 m η = 7.2	x: 0.061 m η = 6.8	**CUMPLE η = 7.2**
N631/N627	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.941 m η = 0.5	x: 0.058 m η = 0.5	η = 1.0	x: 0.942 m η = 0.2	x: 0.942 m η = 1.0	η = 0.2	η < 0.1	x: 0.942 m η = 0.6	x: 0.942 m η = 1.2	x: 0.941 m η < 0.1	x: 0.941 m η < 0.1	N.P.[1]	x: 0.942 m η = 1.6	x: 0.942 m η = 1.7	**CUMPLE η = 1.7**
N628/N632	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.944 m η < 0.1	x: 0.061 m η = 0.1	η = 1.0	x: 0.061 m η = 0.5	x: 0.945 m η = 0.9	η = 0.2	x: 0.724 m η = 0.1	x: 0.061 m η = 0.7	x: 0.945 m η = 1.1	x: 0.061 m η < 0.1	x: 0.944 m η < 0.1	N.P.[1]	x: 0.945 m η = 1.7	x: 0.945 m η = 1.3	**CUMPLE η = 1.7**
N633/N629	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.5 m η = 1.8	x: 0.5 m η = 2.0	η = 0.9	x: 0.058 m η = 1.5	x: 0.058 m η = 5.6	x: 0.5 m η = 1.0	x: 0.941 m η = 0.2	x: 0.058 m η = 1.5	x: 0.058 m η = 5.6	x: 0.058 m η < 0.1	x: 0.058 m η = 0.3	x: 0.058 m η = 10.0	x: 0.058 m η = 9.1	x: 0.058 m η = 9.2	**CUMPLE η = 10.0**
N105/N652	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 0.9	η = 0.5	x: 0.085 m η = 33.3	x: 0.085 m η = 7.3	η = 0.3	x: 1.047 m η = 5.3	x: 0.085 m η = 33.4	x: 0.085 m η = 7.4	x: 0.085 m η = 11.4	x: 0.085 m η = 0.5	x: 0.085 m η = 50.3	x: 0.085 m η = 41.0	x: 0.085 m η = 43.3	**CUMPLE η = 50.3**
N652/N654	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.054 m η = 2.0	x: 1.054 m η = 2.7	η = 1.2	x: 0.052 m η = 6.7	x: 0.052 m η = 5.7	x: 1.054 m η = 0.5	x: 0.052 m η = 1.1	x: 0.052 m η = 6.7	x: 0.052 m η = 5.7	x: 0.052 m η = 0.5	x: 0.052 m η = 0.3	x: 0.052 m η = 16.9	x: 0.052 m η = 15.1	x: 0.052 m η = 13.6	**CUMPLE η = 16.9**
N654/N650	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.212 m η = 2.0	x: 0.212 m η = 2.7	η = 1.4	x: 0.045 m η = 1.7	x: 0.045 m η = 1.8	x: 0.379 m η = 0.4	x: 1.048 m η = 0.3	x: 0.045 m η = 1.8	x: 0.045 m η = 2.3	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 6.0	x: 0.045 m η = 6.2	x: 0.045 m η = 5.7	**CUMPLE η = 6.2**
N650/N653	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.052 m η = 3.0	x: 0.052 m η = 3.8	η = 1.4	x: 1.055 m η = 0.9	x: 1.055 m η = 5.0	x: 0.386 m η = 0.4	x: 0.052 m η = 0.1	x: 1.055 m η = 0.9	x: 1.055 m η = 5.0	x: 1.054 m η < 0.1	x: 1.055 m η = 0.2	x: 1.055 m η = 10.2	x: 1.055 m η = 9.7	x: 1.055 m η = 10.0	**CUMPLE η = 10.2**
N653/N236	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 3.0	x: 0.045 m η = 3.8	x: 0.773 m η = 1.4	x: 1.015 m η = 3.7	x: 1.015 m η = 9.1	x: 0.045 m η = 0.5	x: 1.015 m η = 0.7	x: 1.015 m η = 3.7	x: 1.015 m η = 9.2	x: 1.015 m η = 0.1	x: 1.015 m η = 0.9	x: 1.015 m η = 18.2	x: 1.015 m η = 16.3	x: 1.015 m η = 15.8	**CUMPLE η = 18.2**
N236/N645	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.047 m η = 4.4	x: 1.047 m η = 5.1	η = 0.5	x: 0.085 m η = 1.1	x: 0.085 m η = 9.2	η = 0.5	x: 0.085 m η = 0.3	x: 0.085 m η = 1.2	x: 0.085 m η = 9.4	x: 0.085 m η < 0.1	x: 0.085 m η = 0.9	x: 0.085 m η = 16.6	x: 0.085 m η = 14.9	x: 0.085 m η = 16.2	**CUMPLE η = 16.6**
N645/N647	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 2.5	η = 3.3	η = 0.4	x: 0.052 m η = 1.3	x: 0.052 m η = 5.1	η = 0.4	x: 1.055 m η = 0.2	x: 0.052 m η = 1.4	x: 0.052 m η = 5.1	x: 0.052 m η < 0.1	x: 0.052 m η = 0.3	x: 0.052 m η = 8.7	x: 0.052 m η = 8.0	x: 0.052 m η = 8.0	**CUMPLE η = 8.7**
N647/N643	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 2.5	η = 3.3	η = 0.1	x: 1.048 m η = 0.8	x: 1.048 m η = 1.8	x: 0.379 m η = 0.4	x: 1.048 m η = 0.2	x: 1.048 m η = 0.8	x: 1.048 m η = 1.8	x: 1.047 m η < 0.1	x: 1.048 m η < 0.1	x: 1.048 m η = 4.0	x: 1.048 m η = 4.0	x: 0.045 m η = 4.1	**CUMPLE η = 4.1**
N643/N646	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 2.5	η = 3.2	η = 0.6	x: 1.055 m η = 1.3	x: 1.055 m η = 5.0	η = 0.4	x: 0.052 m η = 0.3	x: 1.055 m η = 1.4	x: 1.055 m η = 5.0	x: 1.054 m η < 0.1	x: 1.055 m η = 0.3	x: 1.055 m η = 10.3	x: 1.055 m η = 9.3	x: 1.055 m η = 9.3	**CUMPLE η = 10.3**
N646/N366	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.288 m η = 2.5	x: 0.288 m η = 3.3	η = 0.5	x: 1.015 m η = 1.2	x: 1.015 m η = 9.7	η = 0.5	x: 1.014 m η = 0.3	x: 1.015 m η = 1.3	x: 1.015 m η = 9.8	x: 1.014 m η < 0.1	x: 1.015 m η = 1.0	x: 1.015 m η = 14.9	x: 1.015 m η = 13.1	x: 1.015 m η = 14.5	**CUMPLE η = 14.9**
N366/N637	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.567 m η = 3.1	x: 0.567 m η = 3.6	x: 1.047 m η = 1.3	x: 0.085 m η = 2.9	x: 0.085 m η = 8.9	x: 1.047 m η = 0.5	x: 0.085 m η = 0.5	x: 0.085 m η = 2.9	x: 0.085 m η = 9.5	x: 0.085 m η = 0.1	x: 0.085 m η = 0.9	x: 0.085 m η = 17.2	x: 0.085 m η = 15.1	x: 0.085 m η = 15.1	**CUMPLE η = 17.2**
N637/N636	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 2.2	η = 3.0	η = 1.4	x: 0.721 m η = 0.4	x: 0.052 m η = 5.1	x: 0.219 m η = 0.4	x: 0.052 m η = 0.1	x: 0.721 m η = 0.9	x: 0.052 m η = 5.7	x: 0.721 m η < 0.1	x: 0.052 m η = 0.3	x: 0.052 m η = 9.5	x: 0.052 m η = 8.7	x: 0.052 m η = 9.2	**CUMPLE η = 9.5**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N636/N635	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.212 m η = 2.3	x: 0.212 m η = 3.1	η = 1.5	x: 1.048 m η = 1.4	x: 1.048 m η = 2.0	x: 0.212 m η = 0.4	x: 1.048 m η = 0.3	x: 1.048 m η = 1.5	x: 1.048 m η = 2.6	x: 1.047 m η < 0.1	x: 1.048 m η = 0.1	x: 1.048 m η = 6.0	x: 1.048 m η = 6.1	x: 1.048 m η = 5.7	**CUMPLE η = 6.1**
N635/N634	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.6	η = 2.0	η = 1.2	x: 1.055 m η = 6.8	x: 1.055 m η = 5.8	x: 0.052 m η = 0.5	x: 1.055 m η = 1.1	x: 1.055 m η = 6.9	x: 1.055 m η = 6.2	x: 1.055 m η = 0.5	x: 1.055 m η = 0.4	x: 1.055 m η = 16.4	x: 1.055 m η = 14.2	x: 1.055 m η = 12.8	**CUMPLE η = 16.4**
N634/N496	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.6	η = 2.1	η = 0.8	x: 1.015 m η = 30.4	x: 1.015 m η = 8.4	η = 0.3	x: 0.045 m η = 4.7	x: 1.015 m η = 30.4	x: 1.015 m η = 8.7	x: 1.015 m η = 9.5	x: 1.015 m η = 0.8	x: 1.015 m η = 47.6	x: 1.015 m η = 39.2	x: 1.015 m η = 40.9	**CUMPLE η = 47.6**
N40/N655	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 4.2	η = 4.2	η = 0.5	x: 0.085 m η = 2.7	x: 0.085 m η = 12.0	x: 0.813 m η = 0.7	x: 0.085 m η = 0.6	x: 0.085 m η = 2.7	x: 0.085 m η = 12.2	x: 0.085 m η = 0.1	x: 0.085 m η = 1.5	x: 0.085 m η = 17.5	x: 0.085 m η = 14.4	x: 0.085 m η = 15.9	**CUMPLE η = 17.5**
N655/N651	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 3.2	η = 3.1	η = 1.0	x: 0.045 m η = 2.1	x: 0.045 m η = 6.8	x: 0.881 m η = 0.6	x: 1.048 m η = 0.4	x: 0.045 m η = 2.1	x: 0.045 m η = 7.2	x: 0.045 m η < 0.1	x: 0.045 m η = 0.5	x: 0.045 m η = 12.3	x: 0.045 m η = 9.9	x: 0.045 m η = 10.6	**CUMPLE η = 12.3**
N651/N657	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.554 m η = 4.6	x: 0.554 m η = 4.4	x: 0.386 m η = 1.5	x: 1.055 m η = 0.3	x: 0.052 m η = 3.1	η = 0.5	x: 0.052 m η = 0.1	x: 1.055 m η = 1.0	x: 0.052 m η = 3.8	x: 1.054 m η < 0.1	x: 0.052 m η = 0.1	x: 0.052 m η = 9.3	x: 0.052 m η = 7.5	x: 0.052 m η = 7.5	**CUMPLE η = 9.3**
N657/N649	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 4.2	η = 4.0	η = 1.5	x: 1.048 m η = 0.5	x: 1.048 m η = 5.6	η = 0.5	x: 1.048 m η = 0.1	x: 1.048 m η = 1.1	x: 1.048 m η = 6.2	x: 1.047 m η < 0.1	x: 1.048 m η = 0.4	x: 1.048 m η = 12.6	x: 1.048 m η = 10.3	x: 1.048 m η = 10.6	**CUMPLE η = 12.6**
N649/N172	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 5.0	η = 5.2	x: 1.014 m η = 1.2	x: 1.015 m η = 1.5	x: 1.015 m η = 9.5	η = 0.6	x: 1.015 m η = 0.3	x: 1.015 m η = 1.8	x: 1.015 m η = 10.0	x: 1.014 m η < 0.1	x: 1.015 m η = 1.0	x: 1.015 m η = 17.9	x: 1.015 m η = 15.3	x: 1.015 m η = 16.3	**CUMPLE η = 17.9**
N172/N648	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 4.9	η = 4.8	η = 0.6	x: 0.085 m η = 3.8	x: 0.085 m η = 8.5	x: 0.57 m η = 0.6	x: 0.085 m η = 0.6	x: 0.085 m η = 3.9	x: 0.085 m η = 8.6	x: 0.085 m η = 0.2	x: 0.085 m η = 0.7	x: 0.085 m η = 17.3	x: 0.085 m η = 14.7	x: 0.085 m η = 13.7	**CUMPLE η = 17.3**
N648/N644	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 4.9	η = 4.8	η = 0.6	x: 1.048 m η = 0.4	x: 0.045 m η = 5.0	η = 0.6	x: 1.048 m η = 0.1	x: 1.048 m η = 0.6	x: 0.045 m η = 5.1	x: 1.047 m η < 0.1	x: 0.045 m η = 0.3	x: 1.048 m η = 9.7	x: 1.048 m η = 8.4	x: 1.048 m η = 8.9	**CUMPLE η = 9.7**
N644/N656	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 4.7	η = 4.5	η = 0.4	x: 0.052 m η = 1.0	x: 0.052 m η = 4.7	x: 0.052 m η = 0.5	x: 0.052 m η = 0.3	x: 0.052 m η = 1.1	x: 0.052 m η = 4.9	x: 0.052 m η < 0.1	x: 0.052 m η = 0.2	x: 0.052 m η = 9.7	x: 0.052 m η = 8.2	x: 0.052 m η = 8.8	**CUMPLE η = 9.7**
N656/N642	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 4.7	η = 4.5	η = 0.7	x: 0.547 m η = 0.3	x: 1.048 m η = 5.2	x: 1.047 m η = 0.5	x: 1.048 m η = 0.1	x: 1.048 m η = 0.6	x: 1.048 m η = 5.2	x: 1.047 m η < 0.1	x: 1.048 m η = 0.3	x: 1.048 m η = 8.6	x: 1.048 m η = 7.4	x: 1.048 m η = 8.4	**CUMPLE η = 8.6**
N642/N302	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 5.3	η = 5.5	η = 0.4	x: 1.015 m η = 5.0	x: 1.015 m η = 8.6	x: 0.293 m η = 0.5	x: 1.015 m η = 0.9	x: 1.015 m η = 5.1	x: 1.015 m η = 8.6	x: 1.015 m η = 0.3	x: 1.015 m η = 0.7	x: 1.015 m η = 20.8	x: 1.015 m η = 19.1	x: 1.015 m η = 17.8	**CUMPLE η = 20.8**
N302/N641	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.054 m η = 5.5	x: 1.054 m η = 5.6	η = 1.3	x: 0.085 m η = 1.1	x: 0.085 m η = 11.6	x: 0.57 m η = 0.8	x: 0.085 m η = 0.2	x: 0.085 m η = 1.2	x: 0.085 m η = 12.1	x: 0.085 m η < 0.1	x: 0.085 m η = 1.5	x: 0.085 m η = 19.3	x: 0.085 m η = 15.4	x: 0.085 m η = 17.7	**CUMPLE η = 19.3**
N641/N640	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.714 m η = 5.5	x: 0.714 m η = 5.6	x: 0.212 m η = 1.4	x: 1.048 m η = 0.5	x: 0.045 m η = 6.4	η = 0.7	x: 1.048 m η = 0.1	x: 0.212 m η = 0.9	x: 0.045 m η = 7.0	x: 0.212 m η < 0.1	x: 0.045 m η = 0.5	x: 0.045 m η = 13.3	x: 0.045 m η = 11.1	x: 0.045 m η = 11.5	**CUMPLE η = 13.3**
N640/N639	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 4.5	η = 4.4	η = 1.6	x: 0.052 m η = 0.4	x: 0.052 m η = 4.4	η = 0.7	x: 0.052 m η = 0.1	x: 0.052 m η = 0.8	x: 0.052 m η = 5.0	x: 0.052 m η < 0.1	x: 0.052 m η = 0.3	x: 0.052 m η = 8.7	x: 0.052 m η = 7.2	x: 0.052 m η = 7.1	**CUMPLE η = 8.7**
N639/N638	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 4.6	η = 4.4	η = 1.5	x: 1.048 m η = 0.8	x: 1.048 m η = 8.7	η = 0.7	x: 1.048 m η = 0.1	x: 1.048 m η = 1.3	x: 1.048 m η = 9.2	x: 1.047 m η < 0.1	x: 1.048 m η = 0.9	x: 1.048 m η = 15.3	x: 1.048 m η = 12.2	x: 1.048 m η = 13.1	**CUMPLE η = 15.3**
N638/N432	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 2.8	η = 3.0	η = 0.5	x: 0.052 m η = 3.4	x: 1.015 m η = 15.1	η = 0.9	x: 1.015 m η = 0.9	x: 1.015 m η = 3.5	x: 1.015 m η = 15.2	x: 1.015 m η = 0.1	x: 1.015 m η = 2.3	x: 1.015 m η = 20.3	x: 1.015 m η = 15.9	x: 1.015 m η = 19.2	**CUMPLE η = 20.3**
N638/N496	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.924 m η = 4.9	x: 0.924 m η = 5.9	x: 1.548 m η = 2.4	x: 2.172 m η = 13.8	x: 0.092 m η = 2.9	η = 0.1	x: 0.092 m η = 1.0	x: 2.172 m η = 14.6	x: 0.092 m η = 3.9	x: 2.172 m η = 2.1	x: 0.092 m η = 0.2	x: 2.172 m η = 24.8	x: 2.172 m η = 20.9	x: 2.172 m η = 22.4	**CUMPLE η = 24.8**
N638/N635	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.76 m η = 2.7	x: 1.76 m η = 5.3	η = 1.0	x: 2.177 m η = 1.0	x: 2.177 m η = 1.4	η = 0.1	x: 2.176 m η = 0.1	x: 2.177 m η = 1.4	x: 0.092 m η = 1.5	x: 2.176 m η < 0.1	x: 0.092 m η < 0.1	x: 2.177 m η = 5.0	x: 2.177 m η = 7.7	x: 2.177 m η = 6.9	**CUMPLE η = 7.7**
N640/N635	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 3.1	x: 0.092 m η = 4.6	x: 0.926 m η = 0.8	x: 2.177 m η = 1.0	x: 2.177 m η = 1.6	η = 0.1	x: 0.092 m η = 0.1	x: 2.177 m η = 1.1	x: 2.177 m η = 1.8	x: 2.176 m η < 0.1	x: 2.176 m η < 0.1	x: 2.177 m η = 6.3	x: 2.177 m η = 7.2	x: 2.177 m η = 6.5	**CUMPLE η = 7.2**
N640/N637	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 3.1	x: 0.092 m η = 4.5	η = 1.6	x: 2.177 m η = 0.8	x: 2.177 m η = 1.9	η = 0.1	x: 0.092 m η = 0.1	x: 2.177 m η = 1.5	x: 2.176 m η = 2.5	x: 2.176 m η < 0.1	x: 2.176 m η = 0.1	x: 2.176 m η = 7.6	x: 2.177 m η = 8.1	x: 2.177 m η = 6.6	**CUMPLE η = 8.1**
N302/N637	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 2.5	x: 0.092 m η = 5.1	x: 0.926 m η = 1.9	x: 2.177 m η = 0.7	x: 0.092 m η = 1.3	η = 0.1	x: 2.176 m η = 0.1	x: 2.177 m η = 1.4	x: 0.092 m η = 2.1	x: 2.176 m η < 0.1	x: 0.092 m η < 0.1	x: 0.092 m η = 6.3	x: 0.092 m η = 7.7	x: 0.092 m η = 6.3	**CUMPLE η = 7.7**
N638/N634	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.46 m η = 2.9	x: 0.46 m η = 4.7	x: 0.093 m η = 0.8	x: 1.927 m η = 1.1	x: 1.927 m η = 3.6	x: 0.46 m η = 0.3	x: 1.926 m η = 0.1	x: 1.927 m η = 1.4	x: 1.927 m η = 3.7	x: 1.926 m η < 0.1	x: 1.927 m η = 0.1	x: 1.927 m η = 7.7	x: 1.927 m η = 8.1	x: 1.927 m η = 8.9	**CUMPLE η = 8.9**
N640/N636	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.926 m η = 0.1	x: 0.093 m η = 0.3	x: 1.01 m η = 1.2	x: 1.927 m η = 0.8	x: 1.927 m η = 0.7	x: 1.193 m η = 0.1	x: 1.926 m η = 0.1	x: 1.927 m η = 0.9	x: 1.927 m η = 1.1	x: 1.926 m η < 0.1	x: 1.926 m η < 0.1	N.P.[1]	x: 1.927 m η = 1.8	x: 1.01 m η = 1.3	**CUMPLE η = 1.8**
N641/N637	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.891 m η = 0.1	x: 0.058 m η < 0.1	η = 1.1	x: 0.058 m η = 0.4	x: 0.058 m η = 1.0	η = 0.1	x: 1.891 m η < 0.1	x: 0.058 m η = 0.8	x: 0.058 m η = 1.3	x: 0.058 m η < 0.1	x: 0.058 m η < 0.1	N.P.[1]	x: 0.058 m η = 2.1	x: 0.058 m η = 1.3	**CUMPLE η = 2.1**
N642/N366	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.756 m η = 6.7	x: 1.34 m η = 9.2	x: 0.092 m η = 2.2	x: 0.092 m η = 2.1	x: 2.172 m η = 2.2	η = 0.1	x: 0.092 m η = 0.2	x: 0.092 m η = 3.0	x: 2.172 m η = 3.0	x: 0.092 m η = 0.1	x: 2.171 m η = 0.1	x: 2.172 m η = 13.1	x: 2.172 m η = 14.4	x: 2.172 m η = 12.4	**CUMPLE η = 14.4**
N642/N643	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 6.2	x: 0.092 m η = 10.7	x: 1.76 m η = 1.1	x: 2.177 m η = 1.3	x: 0.092 m η = 1.0	x: 1.76 m η < 0.1	x: 2.176 m η = 0.2	x: 2.177 m η = 1.7	x: 0.092 m η = 1.4	x: 2.176 m η < 0.1	x: 0.092 m η < 0.1	x: 0.092 m η = 9.8	x: 0.092 m η = 13.4	x: 0.092 m η = 12.3	**CUMPLE η = 13.4**
N644/N643	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 6.3	x: 0.092 m η = 10.1	x: 0.926 m η = 0.4	x: 2.177 m η = 0.9	x: 0.092 m η = 1.2	x: 0.926 m η = 0.1	x: 0.092 m η = 0.1	x: 2.177 m η = 0.9	x: 0.092 m η = 1.3	x: 2.176 m η < 0.1	x: 0.092 m η < 0.1	N.P.[1]	x: 2.177 m η = 11.4	x: 2.177 m η = 11.2	**CUMPLE η = 11.4**
N644/N645	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 6.7	x: 0.092 m η = 9.8	x: 0.301 m η = 1.0	x: 0.092 m η = 0.9	x: 2.177 m η = 1.2	η = 0.1	x: 0.092 m η = 0.1	x: 0.092 m η = 1.3	x: 2.177 m η = 1.7	x: 0.092 m η < 0.1	x: 2.176 m η < 0.1	x: 2.177 m η = 9.7	x: 2.177 m η = 12.4	x: 2.177 m η = 11.5	**CUMPLE η = 12.4**
N172/N645	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 5.9	x: 0.092 m η = 10.8	x: 2.176 m η = 1.8	x: 0.092 m η = 0.6	x: 2.177 m η = 1.4	η = 0.1	x: 2.176 m η = 0.1	x: 0.092 m η = 1.4	x: 2.177 m η = 1.9	x: 0.092 m η < 0.1	x: 2.176 m η < 0.1	x: 2.176 m η = 9.3	x: 2.177 m η = 14.0	x: 2.177 m η = 12.2	**CUMPLE η = 14.0**
N642/N646	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.926 m η = 0.2	x: 0.093 m η = 0.4	η = 0.6	x: 1.927 m η = 0.6	x: 0.093 m η = 2.0	x: 1.743 m η = 0.2	x: 1.926 m η = 0.1	x: 1.927 m η = 0.8	x: 0.093 m η = 2.0	x: 1.926 m η < 0.1	x: 0.093 m η < 0.1	x: 0.093 m η = 2.7	x: 0.093 m η = 2.7	x: 0.093 m η = 2.9	**CUMPLE η = 2.9**
N644/N647	w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[2]	x: 0.093 m η = 0.2	η = 0.2	x: 1.927 m η = 1.0	x: 1.927 m η = 1.6	η = 0.2	x: 1.926 m η = 0.1	x: 1.927 m η = 1.0	x: 1.927 m η = 1.6	x: 1.926 m η < 0.1	x: 1.926 m η < 0.1	N.P.[1]	x: 1.927 m η = 1.7	x: 1.927 m η = 2.0	**CUMPLE η = 2.0**
N648/N645	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.891 m η = 0.3	x: 0.058 m η = 0.3	x: 1.342 m η = 0.8	x: 0.058 m η = 0.3	x: 0.058 m η = 1.9	x: 1.342 m η = 0.2	x: 1.891 m η < 0.1	x: 0.058 m η = 0.5	x: 0.058 m η = 1.9	x: 0.058 m η < 0.1	x: 0.058 m η < 0.1	x: 0.058 m η = 2.6	x: 0.058 m η = 2.4	x: 0.058 m η = 2.6	**CUMPLE η = 2.6**
N649/N236	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.171 m η = 2.9	x: 0.092 m η = 3.3	x: 0.092 m η = 2.2	x: 2.172 m η = 1.5	x: 2.172 m η = 2.2	x: 0.3 m η = 0.1	x: 0.092 m η = 0.1	x: 2.172 m η = 2.1	x: 2.172 m η = 3.1	x: 2.171 m η < 0.1	x: 2.171 m η = 0.1	x: 2.172 m η = 7.9	x: 2.172 m η = 7.1	x: 2.172 m η = 5.5	**CUMPLE η = 7.9**
N649/N650	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.718 m η = 2.5	x: 0.718 m η = 4.6	η = 1.0	x: 2.177 m η = 0.8	x: 2.177 m η = 1.2	η < 0.1	x: 2.176 m η = 0.1	x: 2.177 m η = 0.9	x: 0.092 m η = 1.2	x: 2.176 m η < 0.1	x: 0.092 m η < 0.1	x: 2.177 m η = 4.4	x: 2.177 m η = 6.4	x: 2.177 m η = 6.0	**CUMPLE η = 6.4**
N651/N650	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 2.5	x: 0.092 m η = 4.3	η = 0.5	x: 2.177 m η = 0.6	x: 2.177 m η = 1.5	η < 0.1	x: 2.176 m η = 0.1	x: 2.177 m η = 0.8	x: 2.177 m η = 1.6	x: 2.176 m η < 0.1	x: 2.176 m η < 0.1	x: 2.177 m η = 5.1	x: 2.177 m η = 6.4	x: 2.177 m η = 6.0	**CUMPLE η = 6.4**
N651/N652	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.176 m η = 2.9	x: 0.092 m η = 3.6	η = 1.5	x: 2.177 m η = 3.1	x: 0.092 m η = 2.0	η = 0.1	x: 0.092 m η = 0.3	x: 2.177 m η = 3.5	x: 0.092 m η = 2.6	x: 2.177 m η = 0.1	x: 0.092 m η = 0.1	x: 2.177 m η = 8.4	x: 0.092 m η = 6.9	x: 2.177 m η = 6.0	**CUMPLE η = 8.4**
N40/N652	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.552 m η = 4.2	x: 1.552 m η = 8.7	x: 1.343 m η = 2.2	x: 2.177 m η = 3.8	x: 0.092 m η = 2.6	η = 0.1	x: 0.092 m η = 0.3	x: 2.177 m η = 4.6	x: 0.092 m η = 3.4	x: 2.177 m η = 0.2	x: 0.092 m η = 0.1	x: 2.177 m η = 11.5	x: 0.092 m η = 14.0	x: 2.177 m η = 12.9	**CUMPLE η = 14.0**
N649/N653	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.926 m η = 0.3	x: 0.093 m η = 0.7	η = 0.9	x: 1.927 m η = 0.5	x: 1.927 m η = 1.1	x: 0.643 m η = 0.1	x: 1.926 m η < 0.1	x: 1.927 m η = 0.7	x: 1.927 m η = 1.3	x: 1.926 m η < 0.1	x: 1.926 m η < 0.1	N.P.[1]	x: 0.093 m η = 1.9	x: 1.927 m η = 1.7	**CUMPLE η = 1.9**
N651/N654	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.926 m η = 0.6	x: 0.276 m η = 1.1	η = 1.1	x: 1.927 m η = 0.5	x: 1.927 m η = 1.4	x: 1.01 m η = 0.1	x: 1.926 m η = 0.1	x: 1.927 m η = 0.9	x: 1.927 m η = 1.4	x: 1.926 m η < 0.1	x: 1.926 m η < 0.1	x: 1.927 m η = 2.5	x: 1.927 m η = 2.4	x: 1.927 m η = 2.5	**CUMPLE η = 2.5**
N655/N652	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.891 m η = 0.5	x: 0.058 m η = 0.5	η = 0.6	x: 0.058 m η = 1.1	x: 1.892 m η = 3.1	x: 0.975 m η = 0.2	x: 1.891 m η = 0.1	x: 0.058 m η = 1.3	x: 1.892 m η = 3.1	x: 0.058 m η < 0.1	x: 1.892 m η = 0.1	x: 1.892 m η = 4.5	x: 1.892 m η = 3.6	x: 1.892 m η = 4.4	**CUMPLE η = 4.5**
N639/N635	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.891 m η = 0.2	x: 0.058 m η < 0.1	η = 1.3	x: 0.058 m η = 0.6	x: 1.892 m η = 1.0	x: 0.608 m η = 0.1	x: 1.891 m η = 0.1	x: 0.058 m η = 0.8	x: 1.892 m η = 1.2	x: 0.058 m η < 0.1	x: 1.891 m η < 0.1	N.P.[1]	x: 0.058 m η = 1.8	x: 1.892 m η = 1.4	**CUMPLE η = 1.8**
N656/N643	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.891 m η = 0.2	x: 0.058 m η = 0.1	η = 0.6	x: 0.058 m η = 0.5	x: 0.058 m η = 1.4	η = 0.1	x: 0.058 m η = 0.1	x: 0.058 m η = 0.7	x: 0.058 m η = 1.4	x: 0.058 m η < 0.1	x: 0.058 m η < 0.1	x: 0.058 m η = 2.0	x: 0.058 m η = 1.6	x: 0.058 m η = 2.0	**CUMPLE η = 2.0**
N657/N650	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.891 m η = 0.2	x: 0.058 m η < 0.1	η = 1.2	x: 0.058 m η = 0.1	x: 0.058 m η = 0.6	x: 0.791 m η = 0.1	x: 0.058 m η < 0.1	x: 1.525 m η = 0.6	x: 0.058 m η = 1.1	x: 1.525 m η < 0.1	x: 0.058 m η < 0.1	N.P.[1]	x: 0.058 m η = 1.7	x: 0.058 m η = 1.3	**CUMPLE η = 1.7**
N4/N6	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.059 m η = 10.1	x: 0.197 m η = 8.9	η = 0.7	x: 2.06 m η = 4.4	x: 0.197 m η = 7.8	x: 2.059 m η = 0.4	x: 2.059 m η = 1.0	x: 2.06 m η = 4.4	x: 0.197 m η = 8.1	x: 2.06 m η = 0.2	x: 0.197 m η = 0.7	x: 2.06 m η = 16.1	x: 0.197 m η = 12.0	x: 2.06 m η = 15.6	**CUMPLE η = 16.1**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N11/N7	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.056 m η = 8.8	x: 0.197 m η = 7.4	x: 1.127 m η = 0.6	x: 2.057 m η = 3.9	x: 0.197 m η = 7.5	x: 1.871 m η = 0.4	x: 2.056 m η = 0.8	x: 2.057 m η = 4.0	x: 0.197 m η = 7.8	x: 2.057 m η = 0.2	x: 0.197 m η = 0.6	x: 2.057 m η = 13.7	x: 0.197 m η = 9.7	x: 2.057 m η = 13.3	**CUMPLE** **η = 13.7**
N1/N2	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 8.9	x: 0 m η = 11.5	x: 0.38 m η = 6.8	x: 0.759 m η = 9.5	x: 0 m η = 38.9	η = 19.4	η = 1.1	x: 0.759 m η = 12.4	x: 0 m η = 39.1	x: 0.759 m η = 1.6	x: 0 m η = 18.5	x: 0 m η = 34.1	x: 0 m η = 50.9	x: 0 m η = 60.1	**CUMPLE** **η = 60.1**
N2/N3	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.774 m η = 6.0	x: 0.101 m η = 4.9	x: 0.101 m η = 7.5	x: 0.101 m η = 7.8	x: 0.775 m η = 8.2	x: 0.774 m η = 1.9	η = 1.2	x: 0.101 m η = 11.1	x: 0.775 m η = 8.3	x: 0.101 m η = 1.3	x: 0.775 m η = 0.7	x: 0.101 m η = 21.2	x: 0.101 m η = 15.6	x: 0.775 m η = 13.5	**CUMPLE** **η = 21.2**
N3/N4	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 5.7	x: 0.085 m η = 4.4	η = 6.9	x: 0.085 m η = 3.7	x: 0.085 m η = 6.8	η = 1.1	η = 1.5	x: 0.085 m η = 6.7	x: 0.085 m η = 6.9	x: 0.085 m η = 0.5	x: 0.085 m η = 0.5	x: 0.085 m η = 15.9	x: 0.085 m η = 5.2	x: 0.085 m η = 12.0	**CUMPLE** **η = 15.9**
N4/N5	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 2.3	x: 0.101 m η = 1.0	η = 4.0	x: 0.642 m η = 4.8	x: 0.101 m η = 5.3	x: 0.641 m η = 4.1	η = 1.3	x: 0.642 m η = 6.5	x: 0.101 m η = 5.4	x: 0.642 m η = 0.4	x: 0.101 m η = 0.5	x: 0.642 m η = 11.3	x: 0.101 m η = 4.0	x: 0.101 m η = 8.6	**CUMPLE** **η = 11.3**
N138/N658	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.059 m η = 11.6	x: 0.197 m η = 10.4	η = 0.5	x: 2.06 m η = 4.7	x: 0.197 m η = 8.4	x: 2.059 m η = 0.5	x: 2.059 m η = 1.0	x: 2.06 m η = 4.7	x: 0.197 m η = 8.6	x: 2.06 m η = 0.2	x: 0.197 m η = 0.7	x: 2.06 m η = 17.9	x: 0.197 m η = 14.0	x: 2.06 m η = 17.4	**CUMPLE** **η = 17.9**
N269/N659	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.128 m η = 11.5	x: 1.128 m η = 10.2	η = 0.5	x: 2.06 m η = 4.6	x: 0.197 m η = 8.4	η = 0.5	x: 2.059 m η = 1.0	x: 2.06 m η = 4.7	x: 0.197 m η = 8.6	x: 2.06 m η = 0.2	x: 0.197 m η = 0.7	x: 2.06 m η = 17.5	x: 0.197 m η = 13.4	x: 2.06 m η = 17.2	**CUMPLE** **η = 17.5**
N399/N661	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.315 m η = 12.5	x: 1.315 m η = 11.8	η = 0.7	x: 2.06 m η = 5.2	x: 0.197 m η = 7.7	η = 0.4	x: 2.059 m η = 1.1	x: 2.06 m η = 5.2	x: 0.197 m η = 7.9	x: 2.06 m η = 0.3	x: 0.197 m η = 0.6	x: 2.06 m η = 19.2	x: 0.197 m η = 15.5	x: 2.06 m η = 18.9	**CUMPLE** **η = 19.2**
N143/N663	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.056 m η = 10.9	x: 0.197 m η = 9.9	η = 0.5	x: 2.057 m η = 4.6	x: 0.197 m η = 8.2	x: 2.056 m η = 0.4	x: 2.056 m η = 1.0	x: 2.057 m η = 4.6	x: 0.197 m η = 8.4	x: 2.057 m η = 0.2	x: 0.197 m η = 0.7	x: 2.057 m η = 17.1	x: 0.197 m η = 13.3	x: 2.057 m η = 16.7	**CUMPLE** **η = 17.1**
N274/N665	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 2.056 m η = 10.5	x: 0.197 m η = 9.5	η = 0.5	x: 2.057 m η = 4.7	x: 0.197 m η = 8.2	x: 2.056 m η = 0.4	x: 2.056 m η = 1.0	x: 2.057 m η = 4.7	x: 0.197 m η = 8.4	x: 2.057 m η = 0.2	x: 0.197 m η = 0.7	x: 2.057 m η = 16.5	x: 0.197 m η = 12.8	x: 2.057 m η = 16.4	**CUMPLE** **η = 16.5**
N404/N667	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.127 m η = 9.8	x: 1.127 m η = 8.6	x: 1.127 m η = 0.7	x: 2.057 m η = 4.1	x: 0.197 m η = 7.4	x: 2.056 m η = 0.4	x: 2.056 m η = 0.9	x: 2.057 m η = 4.2	x: 0.197 m η = 7.7	x: 2.057 m η = 0.2	x: 0.197 m η = 0.6	x: 2.057 m η = 15.2	x: 0.197 m η = 11.4	x: 2.057 m η = 14.9	**CUMPLE** **η = 15.2**
N201/N663	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.782 m η = 0.7	x: 0.045 m η = 4.0	x: 0.783 m η = 3.9	x: 0.783 m η = 5.6	x: 0.045 m η = 5.1	x: 0.783 m η = 1.2	x: 0.783 m η = 1.3	x: 0.783 m η = 5.6	x: 0.045 m η = 6.8	x: 0.783 m η = 0.3	x: 0.045 m η = 0.5	x: 0.783 m η = 3.5	x: 0.045 m η = 9.9	x: 0.783 m η = 11.0	**CUMPLE** **η = 11.0**
N663/N200	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 1.8	x: 0.058 m η = 11.3	η = 2.7	x: 0.058 m η = 4.9	x: 0.058 m η = 17.5	η = 2.4	x: 0.058 m η = 1.3	x: 0.058 m η = 5.0	x: 0.058 m η = 18.6	x: 0.058 m η = 0.3	x: 0.058 m η = 3.5	x: 0.058 m η = 3.6	x: 0.058 m η = 24.9	x: 0.058 m η = 25.4	**CUMPLE** **η = 25.4**
N200/N664	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.736 m η = 1.8	x: 0.045 m η = 11.4	x: 0.736 m η = 1.5	x: 0.737 m η = 7.6	x: 0.045 m η = 5.6	x: 0.736 m η = 1.8	x: 0.737 m η = 2.4	x: 0.737 m η = 7.6	x: 0.045 m η = 6.2	x: 0.737 m η = 0.6	x: 0.045 m η = 0.4	x: 0.737 m η = 4.7	x: 0.737 m η = 19.1	x: 0.737 m η = 20.9	**CUMPLE** **η = 20.9**
N664/N199	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.991 m η = 8.8	x: 0.058 m η = 45.9	η = 1.6	x: 0.058 m η = 25.2	x: 0.058 m η = 18.2	η = 1.9	x: 0.058 m η = 5.6	x: 0.058 m η = 25.4	x: 0.058 m η = 18.7	x: 0.058 m η = 6.8	x: 0.058 m η = 3.5	x: 0.058 m η = 16.1	x: 0.058 m η = 72.3	x: 0.058 m η = 77.4	**CUMPLE** **η = 77.4**
N663/N205	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.291 m η = 6.7	x: 0.112 m η = 29.5	x: 1.292 m η = 2.1	x: 1.292 m η = 4.1	x: 0.112 m η = 6.8	η = 0.5	x: 1.291 m η = 0.6	x: 1.292 m η = 4.1	x: 0.112 m η = 7.7	x: 1.292 m η = 0.2	x: 0.112 m η = 0.6	N.P.[1]	x: 1.292 m η = 34.8	x: 1.292 m η = 34.6	**CUMPLE** **η = 34.8**
N663/N207	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.384 m η = 8.5	x: 0.96 m η = 1.7	η = 3.7	x: 0.11 m η = 4.0	x: 0.11 m η = 11.5	η = 1.7	x: 0.11 m η = 0.5	x: 0.11 m η = 4.0	x: 0.11 m η = 13.1	x: 0.11 m η = 0.2	x: 0.11 m η = 1.8	x: 0.11 m η = 23.1	x: 1.385 m η = 2.9	x: 0.11 m η = 17.5	**CUMPLE** **η = 23.1**
N664/N207	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.427 m η = 0.5	x: 0.141 m η = 7.9	x: 1.427 m η = 3.3	x: 1.428 m η = 1.5	x: 1.428 m η = 2.9	η = 0.1	x: 1.427 m η = 0.1	x: 1.428 m η = 2.1	x: 1.428 m η = 4.3	x: 1.427 m η < 0.1	x: 1.428 m η = 0.2	N.P.[1]	x: 1.428 m η = 10.0	x: 1.428 m η = 9.9	**CUMPLE** **η = 10.0**
N664/N209	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.482 m η = 14.6	x: 0.109 m η = 72.3	x: 0.796 m η = 3.4	x: 1.483 m η = 6.3	x: 1.483 m η = 16.4	x: 0.796 m η = 2.1	x: 1.482 m η = 0.4	x: 1.483 m η = 6.3	x: 1.483 m η = 17.9	x: 1.483 m η = 0.4	x: 1.483 m η = 3.2	x: 1.483 m η = 16.9	x: 1.483 m η = 80.7	x: 1.483 m η = 80.1	**CUMPLE** **η = 80.7**
N664/N208	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.108 m η = 1.0	x: 0.085 m η = 4.4	x: 0.256 m η = 3.4	x: 1.109 m η = 5.1	x: 1.109 m η = 13.9	x: 0.256 m η = 1.9	x: 0.085 m η = 0.7	x: 1.109 m η = 5.2	x: 1.109 m η = 15.3	x: 1.109 m η = 0.3	x: 1.109 m η = 2.4	x: 1.109 m η = 3.6	x: 1.109 m η = 19.4	x: 1.109 m η = 18.5	**CUMPLE** **η = 19.4**
N663/N206	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.106 m η = 0.5	x: 0.085 m η = 1.7	x: 0.085 m η = 3.9	x: 1.106 m η = 5.5	x: 1.106 m η = 6.7	x: 0.085 m η = 0.6	x: 1.106 m η = 1.0	x: 1.106 m η = 5.5	x: 1.106 m η = 8.3	x: 1.106 m η = 0.3	x: 1.106 m η = 0.7	x: 1.106 m η = 2.5	x: 1.106 m η = 12.2	x: 1.106 m η = 9.1	**CUMPLE** **η = 12.2**
N658/N147	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.714 m η = 1.8	x: 0.058 m η = 11.3	η = 2.7	x: 0.058 m η = 4.8	x: 0.058 m η = 17.8	η = 2.4	x: 0.058 m η = 1.2	x: 0.058 m η = 4.9	x: 0.058 m η = 18.9	x: 0.058 m η = 0.3	x: 0.058 m η = 3.6	x: 0.058 m η = 6.4	x: 0.058 m η = 25.1	x: 0.058 m η = 25.8	**CUMPLE** **η = 25.8**
N146/N658	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.782 m η = 0.7	x: 0.045 m η = 4.0	x: 0.783 m η = 4.1	x: 0.783 m η = 5.9	x: 0.045 m η = 5.3	x: 0.783 m η = 1.2	x: 0.783 m η = 1.3	x: 0.783 m η = 6.0	x: 0.045 m η = 7.0	x: 0.783 m η = 0.4	x: 0.045 m η = 0.5	x: 0.783 m η = 3.4	x: 0.045 m η = 10.1	x: 0.783 m η = 10.9	**CUMPLE** **η = 10.9**
N658/N262	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.085 m η = 0.5	x: 0.085 m η = 1.7	x: 0.255 m η = 3.8	x: 1.106 m η = 5.5	x: 1.106 m η = 7.3	x: 0.255 m η = 0.6	x: 1.106 m η = 1.0	x: 1.106 m η = 5.5	x: 1.106 m η = 8.9	x: 1.106 m η = 0.3	x: 1.106 m η = 0.8	x: 0.085 m η = 4.3	x: 1.106 m η = 12.5	x: 1.106 m η = 9.7	**CUMPLE** **η = 12.5**
N658/N261	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.384 m η = 8.6	x: 0.11 m η = 1.6	x: 0.96 m η = 3.8	x: 0.11 m η = 3.9	x: 0.11 m η = 11.8	x: 0.96 m η = 1.7	x: 0.11 m η = 0.5	x: 0.11 m η = 4.0	x: 0.11 m η = 13.5	x: 0.11 m η = 0.2	x: 0.11 m η = 1.8	x: 0.11 m η = 23.1	x: 0.11 m η = 3.6	x: 0.11 m η = 17.6	**CUMPLE** **η = 23.1**
N658/N263	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.291 m η = 6.5	x: 0.112 m η = 29.5	x: 1.292 m η = 2.3	x: 1.292 m η = 4.0	x: 0.112 m η = 6.6	η = 0.5	x: 1.291 m η = 0.5	x: 1.292 m η = 4.0	x: 0.112 m η = 7.6	x: 1.292 m η = 0.2	x: 0.112 m η = 0.6	N.P.[1]	x: 1.292 m η = 34.7	x: 1.292 m η = 34.5	**CUMPLE** **η = 34.7**
N331/N665	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.782 m η = 0.7	x: 0.045 m η = 3.9	x: 0.783 m η = 3.9	x: 0.783 m η = 5.4	x: 0.045 m η = 5.1	x: 0.783 m η = 1.2	x: 0.783 m η = 1.3	x: 0.783 m η = 5.6	x: 0.045 m η = 6.8	x: 0.783 m η = 0.3	x: 0.045 m η = 0.5	x: 0.783 m η = 3.4	x: 0.045 m η = 9.9	x: 0.783 m η = 10.6	**CUMPLE** **η = 10.6**
N665/N330	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 4.2	x: 0.058 m η = 11.2	η = 2.7	x: 0.058 m η = 4.8	x: 0.058 m η = 17.5	η = 2.4	x: 0.058 m η = 1.3	x: 0.058 m η = 4.9	x: 0.058 m η = 18.7	x: 0.058 m η = 0.3	x: 0.058 m η = 3.6	x: 0.058 m η = 9.2	x: 0.058 m η = 24.9	x: 0.058 m η = 25.4	**CUMPLE** **η = 25.4**
N330/N666	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.218 m η = 4.2	x: 0.045 m η = 11.3	x: 0.736 m η = 1.5	x: 0.737 m η = 7.5	x: 0.045 m η = 5.6	x: 0.736 m η = 1.8	x: 0.737 m η = 2.4	x: 0.737 m η = 7.5	x: 0.045 m η = 6.2	x: 0.737 m η = 0.6	x: 0.045 m η = 0.4	x: 0.737 m η = 7.7	x: 0.737 m η = 19.0	x: 0.737 m η = 20.6	**CUMPLE** **η = 20.6**
N666/N329	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.991 m η = 8.5	x: 0.058 m η = 45.2	η = 1.7	x: 0.058 m η = 24.7	x: 0.058 m η = 18.3	η = 1.9	x: 0.058 m η = 5.5	x: 0.058 m η = 25.0	x: 0.058 m η = 18.8	x: 0.058 m η = 6.5	x: 0.058 m η = 3.6	x: 0.058 m η = 15.8	x: 0.058 m η = 71.9	x: 0.058 m η = 76.1	**CUMPLE** **η = 76.1**
N665/N335	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.291 m η = 6.4	x: 0.112 m η = 28.6	x: 1.292 m η = 2.2	x: 1.292 m η = 3.9	x: 0.112 m η = 6.9	x: 1.291 m η = 0.6	x: 1.291 m η = 0.5	x: 1.292 m η = 4.0	x: 0.112 m η = 7.8	x: 1.292 m η = 0.2	x: 0.112 m η = 0.6	N.P.[1]	x: 1.292 m η = 33.8	x: 1.292 m η = 33.6	**CUMPLE** **η = 33.8**
N665/N337	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.384 m η = 8.3	x: 0.11 m η = 1.0	η = 3.7	x: 0.11 m η = 3.9	x: 0.11 m η = 11.5	η = 1.7	x: 0.11 m η = 0.5	x: 0.11 m η = 3.9	x: 0.11 m η = 13.1	x: 0.11 m η = 0.2	x: 0.11 m η = 1.7	x: 0.11 m η = 22.9	x: 1.385 m η = 1.9	x: 0.11 m η = 17.5	**CUMPLE** **η = 22.9**
N666/N337	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.999 m η = 2.9	x: 0.999 m η = 8.0	η = 3.4	x: 1.428 m η = 1.7	x: 1.428 m η = 3.0	η = 0.1	x: 1.427 m η = 0.3	x: 1.428 m η = 2.1	x: 1.428 m η = 4.4	x: 1.427 m η < 0.1	x: 1.428 m η = 0.2	x: 0.141 m η = 5.1	x: 1.428 m η = 10.1	x: 1.428 m η = 10.2	**CUMPLE** **η = 10.2**
N666/N339	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.482 m η = 14.1	x: 0.109 m η = 70.8	x: 0.796 m η = 3.4	x: 1.483 m η = 6.2	x: 1.483 m η = 16.4	x: 0.796 m η = 2.2	x: 1.482 m η = 0.4	x: 1.483 m η = 6.2	x: 1.483 m η = 17.9	x: 1.483 m η = 0.4	x: 1.483 m η = 3.2	x: 1.483 m η = 16.0	x: 1.483 m η = 79.9	x: 1.483 m η = 78.5	**CUMPLE** **η = 79.9**
N665/N336	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.106 m η = 0.6	x: 0.085 m η = 1.7	x: 0.085 m η = 3.9	x: 1.106 m η = 5.4	x: 1.106 m η = 6.6	x: 0.085 m η = 0.6	x: 1.106 m η = 1.0	x: 1.106 m η = 5.4	x: 1.106 m η = 8.2	x: 1.106 m η = 0.3	x: 1.106 m η = 0.7	x: 1.106 m η = 2.4	x: 1.106 m η = 12.2	x: 1.106 m η = 9.1	**CUMPLE** **η = 12.2**
N666/N338	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.108 m η = 0.9	x: 0.085 m η = 4.3	x: 0.256 m η = 3.4	x: 1.109 m η = 5.0	x: 1.109 m η = 13.9	x: 0.426 m η = 1.9	x: 0.085 m η = 0.7	x: 1.109 m η = 5.1	x: 1.109 m η = 15.4	x: 1.109 m η = 0.3	x: 1.109 m η = 2.4	x: 1.109 m η = 3.3	x: 1.109 m η = 19.3	x: 1.109 m η = 18.5	**CUMPLE** **η = 19.3**
N660/N279	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.989 m η = 8.6	x: 0.058 m η = 45.7	η = 1.9	x: 0.058 m η = 24.5	x: 0.058 m η = 18.4	η = 1.9	x: 0.058 m η = 5.3	x: 0.058 m η = 24.7	x: 0.058 m η = 18.8	x: 0.058 m η = 6.4	x: 0.058 m η = 3.6	x: 0.058 m η = 15.7	x: 0.058 m η = 71.7	x: 0.058 m η = 76.3	**CUMPLE** **η = 76.3**
N278/N660	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.733 m η = 1.7	x: 0.045 m η = 11.2	x: 0.733 m η = 1.4	x: 0.734 m η = 7.3	x: 0.045 m η = 5.6	x: 0.733 m η = 1.9	x: 0.734 m η = 2.3	x: 0.734 m η = 7.3	x: 0.045 m η = 6.2	x: 0.734 m η = 0.6	x: 0.045 m η = 0.4	x: 0.734 m η = 5.1	x: 0.734 m η = 18.7	x: 0.734 m η = 20.4	**CUMPLE** **η = 20.4**
N659/N278	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.932 m η = 1.7	x: 0.058 m η = 11.1	η = 2.7	x: 0.058 m η = 4.8	x: 0.058 m η = 17.8	η = 2.4	x: 0.058 m η = 1.2	x: 0.058 m η = 4.8	x: 0.058 m η = 19.0	x: 0.058 m η = 0.2	x: 0.058 m η = 3.7	x: 0.058 m η = 5.3	x: 0.058 m η = 25.0	x: 0.058 m η = 25.7	**CUMPLE** **η = 25.7**
N277/N659	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.782 m η = 0.7	x: 0.045 m η = 4.0	x: 0.783 m η = 4.1	x: 0.783 m η = 5.8	x: 0.045 m η = 5.3	x: 0.783 m η = 1.2	x: 0.783 m η = 1.3	x: 0.783 m η = 5.9	x: 0.045 m η = 7.0	x: 0.783 m η = 0.4	x: 0.045 m η = 0.5	x: 0.783 m η = 3.4	x: 0.045 m η = 10.1	x: 0.783 m η = 11.0	**CUMPLE** **η = 11.0**
N659/N393	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.291 m η = 6.5	x: 0.112 m η = 29.5	x: 1.292 m η = 2.3	x: 1.292 m η = 4.0	x: 0.112 m η = 6.7	η = 0.5	x: 1.291 m η = 0.5	x: 1.292 m η = 4.0	x: 0.112 m η = 7.6	x: 1.292 m η = 0.2	x: 0.112 m η = 0.6	N.P.[1]	x: 1.292 m η = 34.6	x: 1.292 m η = 34.5	**CUMPLE** **η = 34.6**
N659/N391	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.384 m η = 8.5	x: 0.11 m η = 1.1	x: 0.96 m η = 3.8	x: 0.11 m η = 3.9	x: 0.11 m η = 11.8	x: 0.96 m η = 1.7	x: 0.11 m η = 0.5	x: 0.11 m η = 3.9	x: 0.11 m η = 13.4	x: 0.11 m η = 0.2	x: 0.11 m η = 1.8	x: 0.11 m η = 23.0	x: 0.11 m η = 2.4	x: 0.11 m η = 17.4	**CUMPLE** **η = 23.0**
N660/N391	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.427 m η = 2.7	x: 0.141 m η = 7.8	x: 0.141 m η = 3.4	x: 1.428 m η = 1.6	x: 1.428 m η = 2.9	η = 0.1	x: 1.427 m η = 0.2	x: 1.428 m η = 2.1	x: 1.428 m η = 4.3	x: 1.427 m η < 0.1	x: 1.427 m η = 0.2	N.P.[1]	x: 1.428 m η = 10.3	x: 1.428 m η = 9.8	**CUMPLE** **η = 10.3**
N660/N389	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.482 m η = 14.3	x: 0.11 m η = 71.3	x: 0.796 m η = 3.4	x: 1.483 m η = 6.3	x: 1.483 m η = 16.2	x: 0.796 m η = 2.1	x: 1.482 m η = 0.4	x: 1.483 m η = 6.3	x: 1.483 m η = 17.6	x: 1.483 m η = 0.4	x: 1.483 m η = 3.2	x: 1.483 m η = 16.3	x: 1.483 m η = 80.3	x: 1.483 m η = 79.1	**CUMPLE** **η = 80.3**
N660/N390	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.108 m η = 0.9	x: 0.085 m η = 4.3	η = 3.4	x: 1.109 m η = 5.1	x: 1.109 m η = 13.8	x: 0.426 m η = 1.9	x: 0.085 m η = 0.7	x: 1.109 m η = 5.1	x: 1.109 m η = 15.2	x: 1.109 m η = 0.3	x: 1.109 m η = 2.4	x: 1.109 m η = 3.4	x: 1.109 m η = 19.1	x: 1.109 m η = 18.4	**CUMPLE** **η = 19.1**
N659/N392	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.106 m η = 0.5	x: 0.085 m η = 1.7	x: 0.255 m η = 3.8	x: 1.106 m η = 5.5	x: 1.106 m η = 7.1	x: 0.255 m η = 0.6	x: 1.106 m η = 1.0	x: 1.106 m η = 5.5	x: 1.106 m η = 8.7	x: 1.106 m η = 0.3	x: 1.106 m η = 0.8	x: 0.085 m η = 3.9	x: 1.106 m η = 12.4	x: 1.106 m η = 9.6	**CUMPLE** **η = 12.4**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N461/N667	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.782 m η = 0.7	x: 0.045 m η = 3.8	x: 0.783 m η = 3.8	x: 0.783 m η = 5.0	x: 0.045 m η = 4.9	x: 0.783 m η = 0.9	x: 0.783 m η = 1.1	x: 0.783 m η = 5.1	x: 0.045 m η = 6.5	x: 0.783 m η = 0.3	x: 0.045 m η = 0.4	x: 0.783 m η = 3.0	x: 0.045 m η = 9.8	x: 0.783 m η = 9.7	**CUMPLE η = 9.8**
N667/N460	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.927 m η = 1.8	x: 0.058 m η = 11.0	x: 0.928 m η = 2.9	x: 0.058 m η = 4.8	x: 0.058 m η = 17.6	x: 0.928 m η = 2.4	x: 0.058 m η = 1.2	x: 0.058 m η = 5.0	x: 0.058 m η = 18.7	x: 0.058 m η = 0.3	x: 0.058 m η = 3.5	x: 0.058 m η = 25.7	x: 0.058 m η = 27.0	x: 0.058 m η = 26.9	**CUMPLE η = 27.0**
N460/N668	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.736 m η = 1.8	x: 0.045 m η = 11.1	x: 0.736 m η = 1.7	x: 0.737 m η = 7.8	x: 0.045 m η = 5.9	x: 0.736 m η = 1.9	x: 0.737 m η = 2.4	x: 0.737 m η = 7.9	x: 0.045 m η = 6.5	x: 0.737 m η = 0.7	x: 0.045 m η = 0.5	x: 0.045 m η = 9.0	x: 0.737 m η = 19.5	x: 0.737 m η = 20.8	**CUMPLE η = 20.8**
N668/N459	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.991 m η = 8.7	x: 0.058 m η = 46.2	η = 3.4	x: 0.058 m η = 26.2	x: 0.058 m η = 18.8	η = 1.9	x: 0.058 m η = 5.8	x: 0.058 m η = 27.0	x: 0.058 m η = 19.3	x: 0.058 m η = 7.6	x: 0.058 m η = 3.7	x: 0.058 m η = 16.6	x: 0.058 m η = 77.0	x: 0.058 m η = 79.0	**CUMPLE η = 79.0**
N667/N465	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.291 m η = 5.6	x: 0.112 m η = 27.0	η = 1.9	x: 1.292 m η = 3.8	x: 0.112 m η = 7.6	η = 0.8	x: 1.291 m η = 0.5	x: 1.292 m η = 4.4	x: 0.112 m η = 8.3	x: 1.292 m η = 0.2	x: 0.112 m η = 0.7	x: 1.292 m η = 10.5	x: 1.292 m η = 38.6	x: 1.292 m η = 35.6	**CUMPLE η = 38.6**
N667/N467	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.384 m η = 10.4	x: 0.96 m η = 3.4	x: 0.96 m η = 3.3	x: 0.11 m η = 4.1	x: 0.11 m η = 11.3	x: 0.96 m η = 1.6	x: 0.11 m η = 0.5	x: 0.11 m η = 4.6	x: 0.11 m η = 12.6	x: 0.11 m η = 0.2	x: 0.11 m η = 1.6	x: 0.11 m η = 27.6	x: 0.11 m η = 17.2	x: 0.11 m η = 21.7	**CUMPLE η = 27.6**
N668/N467	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.355 m η = 2.7	x: 0.141 m η = 8.7	x: 1.213 m η = 2.8	x: 1.428 m η = 1.4	x: 1.428 m η = 4.5	η = 0.4	x: 1.427 m η = 0.2	x: 1.428 m η = 2.2	x: 1.428 m η = 4.7	x: 1.427 m η = 0.1	x: 1.428 m η = 0.2	x: 0.141 m η = 8.3	x: 1.428 m η = 15.1	x: 1.428 m η = 14.6	**CUMPLE η = 15.1**
N668/N469	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.482 m η = 13.1	x: 0.109 m η = 72.0	x: 1.025 m η = 3.0	x: 1.483 m η = 6.3	x: 1.483 m η = 16.8	x: 1.025 m η = 2.2	x: 1.482 m η = 0.4	x: 1.483 m η = 6.5	x: 1.483 m η = 18.1	x: 1.483 m η = 0.4	x: 1.483 m η = 3.3	x: 1.254 m η = 15.7	x: 1.483 m η = 83.5	x: 1.483 m η = 80.2	**CUMPLE η = 83.5**
N668/N468	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.108 m η = 0.8	x: 0.085 m η = 4.4	x: 0.597 m η = 3.8	x: 1.109 m η = 4.7	x: 1.109 m η = 12.7	x: 0.597 m η = 2.0	x: 0.085 m η = 0.6	x: 1.109 m η = 4.8	x: 1.109 m η = 14.2	x: 1.109 m η = 0.2	x: 1.109 m η = 2.0	x: 1.109 m η = 4.6	x: 1.109 m η = 18.2	x: 1.109 m η = 17.2	**CUMPLE η = 18.2**
N667/N466	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.106 m η = 0.4	x: 0.085 m η = 1.3	x: 0.255 m η = 4.1	x: 1.106 m η = 5.6	x: 1.106 m η = 5.2	x: 0.255 m η = 0.4	x: 1.106 m η = 1.1	x: 1.106 m η = 5.7	x: 1.106 m η = 7.0	x: 1.106 m η = 0.3	x: 1.106 m η = 0.5	x: 1.106 m η = 4.9	x: 1.106 m η = 12.0	x: 1.106 m η = 9.9	**CUMPLE η = 12.0**
N662/N409	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.989 m η = 8.5	x: 0.058 m η = 46.2	η = 5.9	x: 0.058 m η = 25.3	x: 0.058 m η = 19.3	η = 1.9	x: 0.058 m η = 5.5	x: 0.058 m η = 25.5	x: 0.058 m η = 19.6	x: 0.058 m η = 6.8	x: 0.058 m η = 3.9	x: 0.058 m η = 16.1	x: 0.058 m η = 73.6	x: 0.058 m η = 77.8	**CUMPLE η = 77.8**
N408/N662	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.733 m η = 1.9	x: 0.045 m η = 11.2	η = 1.6	x: 0.734 m η = 7.4	x: 0.045 m η = 6.1	x: 0.562 m η = 2.0	x: 0.734 m η = 2.3	x: 0.734 m η = 7.4	x: 0.045 m η = 6.6	x: 0.734 m η = 0.6	x: 0.045 m η = 0.5	x: 0.045 m η = 9.1	x: 0.734 m η = 18.7	x: 0.734 m η = 20.4	**CUMPLE η = 20.4**
N661/N408	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.932 m η = 1.8	x: 0.058 m η = 11.1	η = 2.8	x: 0.058 m η = 4.6	x: 0.058 m η = 18.1	η = 2.4	x: 0.058 m η = 1.1	x: 0.058 m η = 4.6	x: 0.058 m η = 19.1	x: 0.058 m η = 0.2	x: 0.058 m η = 3.7	x: 0.058 m η = 25.8	x: 0.058 m η = 27.3	x: 0.058 m η = 27.6	**CUMPLE η = 27.6**
N407/N661	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.782 m η = 0.7	x: 0.045 m η = 3.8	x: 0.783 m η = 3.9	x: 0.783 m η = 6.3	x: 0.045 m η = 5.1	x: 0.782 m η = 0.9	x: 0.783 m η = 1.4	x: 0.783 m η = 6.5	x: 0.045 m η = 6.8	x: 0.783 m η = 0.4	x: 0.045 m η = 0.5	x: 0.783 m η = 2.6	x: 0.045 m η = 10.2	x: 0.783 m η = 9.3	**CUMPLE η = 10.2**
N662/N519	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.482 m η = 12.5	x: 0.11 m η = 70.3	x: 1.025 m η = 3.1	x: 1.483 m η = 6.2	x: 1.483 m η = 17.2	x: 1.025 m η = 2.2	x: 1.482 m η = 0.4	x: 1.483 m η = 6.5	x: 1.483 m η = 18.5	x: 1.483 m η = 0.4	x: 1.483 m η = 3.5	x: 0.568 m η = 15.6	x: 1.483 m η = 81.0	x: 1.483 m η = 78.2	**CUMPLE η = 81.0**
N662/N521	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.355 m η = 2.7	x: 0.141 m η = 8.9	x: 0.141 m η = 3.2	x: 1.428 m η = 1.5	x: 1.428 m η = 4.2	η = 0.3	x: 1.427 m η = 0.2	x: 1.428 m η = 2.5	x: 1.428 m η = 4.5	x: 1.427 m η = 0.1	x: 1.428 m η = 0.2	x: 0.141 m η = 9.2	x: 1.428 m η = 15.3	x: 1.428 m η = 14.4	**CUMPLE η = 15.3**
N661/N521	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.384 m η = 10.4	x: 0.11 m η = 3.3	x: 0.96 m η = 3.6	x: 0.11 m η = 4.1	x: 0.11 m η = 11.5	x: 0.96 m η = 1.7	x: 0.11 m η = 0.5	x: 0.11 m η = 4.6	x: 0.11 m η = 12.9	x: 0.11 m η = 0.2	x: 0.11 m η = 1.7	x: 0.11 m η = 27.9	x: 0.11 m η = 17.5	x: 0.11 m η = 21.9	**CUMPLE η = 27.9**
N661/N523	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.291 m η = 5.2	x: 0.112 m η = 26.2	η = 2.0	x: 1.292 m η = 3.7	x: 0.112 m η = 7.6	η = 0.8	x: 1.291 m η = 0.5	x: 1.292 m η = 4.3	x: 0.112 m η = 8.4	x: 1.292 m η = 0.2	x: 0.112 m η = 0.7	x: 1.292 m η = 9.9	x: 1.292 m η = 37.5	x: 1.292 m η = 34.6	**CUMPLE η = 37.5**
N661/N522	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.106 m η = 0.5	x: 0.085 m η = 1.3	x: 0.425 m η = 4.0	x: 0.085 m η = 5.6	x: 1.106 m η = 5.8	x: 1.106 m η = 0.5	x: 1.106 m η = 1.1	x: 0.085 m η = 5.7	x: 1.106 m η = 7.5	x: 1.106 m η = 0.3	x: 1.106 m η = 0.6	x: 1.106 m η = 5.0	x: 1.106 m η = 12.5	x: 1.106 m η = 9.9	**CUMPLE η = 12.5**
N662/N520	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.108 m η = 0.8	x: 0.085 m η = 4.3	x: 0.256 m η = 3.7	x: 1.109 m η = 4.5	x: 1.109 m η = 12.9	η = 1.9	x: 0.085 m η = 0.6	x: 1.109 m η = 4.6	x: 1.109 m η = 14.3	x: 1.109 m η = 0.2	x: 1.109 m η = 2.1	x: 1.109 m η = 4.9	x: 1.109 m η = 18.3	x: 1.109 m η = 17.5	**CUMPLE η = 18.3**
N401/N402	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 8.9	x: 0.758 m η = 11.5	x: 0 m η = 6.5	x: 0.759 m η = 8.8	x: 0 m η = 41.6	x: 0.758 m η = 19.6	η = 1.0	x: 0.759 m η = 11.7	x: 0 m η = 41.7	x: 0.759 m η = 1.4	x: 0 m η = 21.1	x: 0 m η = 38.0	x: 0 m η = 54.4	x: 0 m η = 63.5	**CUMPLE η = 63.5**
N402/N403	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.607 m η = 5.6	x: 0.607 m η = 4.5	η = 7.3	x: 0.101 m η = 7.2	x: 0.775 m η = 8.3	x: 0.607 m η = 2.1	η = 1.1	x: 0.101 m η = 10.4	x: 0.775 m η = 8.4	x: 0.101 m η = 1.1	x: 0.775 m η = 0.7	x: 0.101 m η = 19.9	x: 0.775 m η = 15.0	x: 0.775 m η = 13.8	**CUMPLE η = 19.9**
N403/N404	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 5.2	x: 0.085 m η = 3.8	x: 0.085 m η = 6.6	x: 0.085 m η = 3.4	x: 0.085 m η = 7.0	η = 1.1	η = 1.3	x: 0.085 m η = 6.4	x: 0.085 m η = 7.1	x: 0.085 m η = 0.4	x: 0.085 m η = 0.5	x: 0.085 m η = 15.6	x: 0.085 m η = 5.7	x: 0.085 m η = 12.3	**CUMPLE η = 15.6**
N404/N405	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 2.3	x: 0.101 m η = 0.8	η = 3.9	x: 0.64 m η = 4.3	x: 0.101 m η = 5.3	x: 0.371 m η = 3.9	η = 1.2	x: 0.64 m η = 6.0	x: 0.101 m η = 5.3	x: 0.64 m η = 0.4	x: 0.101 m η = 0.4	x: 0.64 m η = 10.6	x: 0.101 m η = 3.0	x: 0.101 m η = 8.9	**CUMPLE η = 10.6**
N271/N272	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 9.4	x: 0 m η = 12.2	x: 0 m η = 6.3	x: 0.759 m η = 9.1	x: 0 m η = 39.5	x: 0.758 m η = 18.3	η = 0.8	x: 0.759 m η = 11.9	x: 0 m η = 39.5	x: 0.759 m η = 1.4	x: 0 m η = 19.0	x: 0 m η = 36.5	x: 0 m η = 51.9	x: 0 m η = 61.5	**CUMPLE η = 61.5**
N272/N273	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.774 m η = 6.2	x: 0.101 m η = 5.5	η = 7.0	x: 0.101 m η = 7.4	x: 0.775 m η = 7.9	x: 0.774 m η = 2.0	η = 1.4	x: 0.101 m η = 10.5	x: 0.775 m η = 8.0	x: 0.101 m η = 1.1	x: 0.775 m η = 0.7	x: 0.101 m η = 20.0	x: 0.101 m η = 14.3	x: 0.775 m η = 13.3	**CUMPLE η = 20.0**
N273/N274	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 5.9	x: 0.085 m η = 5.0	x: 0.758 m η = 6.4	x: 0.085 m η = 2.9	x: 0.085 m η = 6.9	η = 1.0	x: 0.758 m η = 1.6	x: 0.085 m η = 5.7	x: 0.085 m η = 6.9	x: 0.085 m η = 0.3	x: 0.085 m η = 0.5	x: 0.085 m η = 14.3	x: 0.085 m η = 5.7	x: 0.085 m η = 12.1	**CUMPLE η = 14.3**
N274/N275	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 1.9	x: 0.101 m η = 1.3	η = 3.2	x: 0.64 m η = 6.1	x: 0.101 m η = 5.7	x: 0.371 m η = 4.4	η = 1.4	x: 0.64 m η = 7.5	x: 0.101 m η = 5.8	x: 0.64 m η = 0.6	x: 0.101 m η = 0.5	x: 0.64 m η = 12.0	x: 0.101 m η = 4.7	x: 0.101 m η = 8.9	**CUMPLE η = 12.0**
N140/N141	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 9.5	x: 0 m η = 12.1	x: 0 m η = 6.2	x: 0.759 m η = 9.1	x: 0 m η = 40.1	x: 0.758 m η = 18.6	η = 0.8	x: 0.759 m η = 11.8	x: 0 m η = 40.1	x: 0.759 m η = 1.4	x: 0 m η = 19.5	x: 0 m η = 37.8	x: 0 m η = 52.7	x: 0 m η = 62.2	**CUMPLE η = 62.2**
N141/N142	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.438 m η = 6.2	x: 0.438 m η = 5.4	η = 7.0	x: 0.101 m η = 7.4	x: 0.775 m η = 8.0	x: 0.607 m η = 2.0	η = 1.4	x: 0.101 m η = 10.5	x: 0.775 m η = 8.1	x: 0.101 m η = 1.1	x: 0.775 m η = 0.7	x: 0.101 m η = 20.1	x: 0.775 m η = 9.0	x: 0.775 m η = 13.7	**CUMPLE η = 20.1**
N142/N143	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 5.9	x: 0.085 m η = 4.9	x: 0.758 m η = 6.4	x: 0.085 m η = 2.9	x: 0.085 m η = 7.0	η = 1.0	x: 0.758 m η = 1.6	x: 0.085 m η = 5.7	x: 0.085 m η = 7.0	x: 0.085 m η = 0.3	x: 0.085 m η = 0.5	x: 0.085 m η = 14.4	x: 0.085 m η = 5.8	x: 0.085 m η = 12.6	**CUMPLE η = 14.4**
N143/N144	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 1.9	x: 0.101 m η = 1.1	η = 3.2	x: 0.64 m η = 6.1	x: 0.101 m η = 5.9	η = 4.4	η = 1.4	x: 0.64 m η = 7.5	x: 0.101 m η = 5.9	x: 0.64 m η = 0.6	x: 0.101 m η = 0.5	x: 0.64 m η = 12.2	x: 0.101 m η = 4.4	x: 0.101 m η = 9.3	**CUMPLE η = 12.2**
N8/N9	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 7.9	x: 0.758 m η = 10.5	x: 0 m η = 6.5	x: 0.759 m η = 8.8	x: 0 m η = 38.8	η = 19.5	x: 0.569 m η = 1.0	x: 0.759 m η = 11.7	x: 0 m η = 38.9	x: 0.759 m η = 1.4	x: 0 m η = 18.5	x: 0 m η = 32.3	x: 0 m η = 50.0	x: 0 m η = 59.0	**CUMPLE η = 59.0**
N9/N10	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.774 m η = 5.0	x: 0.774 m η = 3.9	η = 7.3	x: 0.101 m η = 7.2	x: 0.775 m η = 8.2	x: 0.774 m η = 1.9	η = 1.1	x: 0.101 m η = 10.4	x: 0.775 m η = 8.3	x: 0.101 m η = 1.1	x: 0.775 m η = 0.7	x: 0.101 m η = 19.9	x: 0.775 m η = 15.0	x: 0.775 m η = 13.5	**CUMPLE η = 19.9**
N10/N11	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 4.7	x: 0.085 m η = 3.4	η = 6.6	x: 0.085 m η = 3.3	x: 0.085 m η = 6.8	η = 1.0	η = 1.4	x: 0.085 m η = 6.3	x: 0.085 m η = 6.9	x: 0.085 m η = 0.4	x: 0.085 m η = 0.5	x: 0.085 m η = 15.2	x: 0.085 m η = 5.5	x: 0.085 m η = 12.0	**CUMPLE η = 15.2**
N11/N12	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 2.3	x: 0.101 m η = 0.8	η = 3.8	x: 0.64 m η = 4.5	x: 0.101 m η = 5.1	x: 0.639 m η = 3.5	η = 1.2	x: 0.64 m η = 6.2	x: 0.101 m η = 5.2	x: 0.64 m η = 0.4	x: 0.101 m η = 0.4	x: 0.64 m η = 10.8	x: 0.101 m η = 2.4	x: 0.101 m η = 8.6	**CUMPLE η = 10.8**
N135/N136	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 10.6	x: 0 m η = 13.1	x: 0 m η = 6.5	x: 0.759 m η = 9.8	x: 0 m η = 45.2	η = 21.0	η = 0.9	x: 0.759 m η = 12.6	x: 0 m η = 45.4	x: 0.759 m η = 1.6	x: 0 m η = 25.0	x: 0 m η = 47.0	x: 0 m η = 59.9	x: 0 m η = 69.6	**CUMPLE η = 69.6**
N136/N137	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.774 m η = 6.3	x: 0.101 m η = 5.4	η = 7.2	x: 0.101 m η = 8.0	x: 0.775 m η = 8.0	x: 0.607 m η = 2.2	η = 1.5	x: 0.101 m η = 11.2	x: 0.775 m η = 8.0	x: 0.101 m η = 1.3	x: 0.775 m η = 0.7	x: 0.101 m η = 21.1	x: 0.775 m η = 10.2	x: 0.775 m η = 13.7	**CUMPLE η = 21.1**
N137/N138	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 6.0	x: 0.085 m η = 4.9	x: 0.758 m η = 6.6	x: 0.085 m η = 3.2	x: 0.085 m η = 7.0	η = 1.0	x: 0.758 m η = 1.8	x: 0.085 m η = 6.1	x: 0.085 m η = 7.0	x: 0.085 m η = 0.4	x: 0.085 m η = 0.5	x: 0.085 m η = 14.9	x: 0.085 m η = 6.5	x: 0.085 m η = 12.6	**CUMPLE η = 14.9**
N138/N139	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 2.0	x: 0.101 m η = 0.8	η = 3.4	x: 0.642 m η = 6.5	x: 0.101 m η = 5.9	x: 0.641 m η = 4.5	η = 1.6	x: 0.642 m η = 8.0	x: 0.101 m η = 5.9	x: 0.642 m η = 0.7	x: 0.101 m η = 0.5	x: 0.642 m η = 13.0	x: 0.642 m η = 4.5	x: 0.101 m η = 9.3	**CUMPLE η = 13.0**
N266/N267	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 10.3	x: 0 m η = 12.8	x: 0 m η = 6.4	x: 0.759 m η = 9.8	x: 0 m η = 43.9	x: 0.758 m η = 20.4	η = 0.9	x: 0.759 m η = 12.6	x: 0 m η = 44.0	x: 0.759 m η = 1.6	x: 0 m η = 23.5	x: 0 m η = 44.2	x: 0 m η = 57.3	x: 0 m η = 67.6	**CUMPLE η = 67.6**
N267/N268	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.774 m η = 6.2	x: 0.101 m η = 5.3	η = 7.2	x: 0.101 m η = 8.0	x: 0.775 m η = 7.9	η = 2.2	η = 1.5	x: 0.101 m η = 11.2	x: 0.775 m η = 8.0	x: 0.101 m η = 1.3	x: 0.775 m η = 0.7	x: 0.101 m η = 20.9	x: 0.775 m η = 9.5	x: 0.775 m η = 13.7	**CUMPLE η = 20.9**
N268/N269	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 5.9	x: 0.085 m η = 4.8	x: 0.758 m η = 6.6	x: 0.085 m η = 3.2	x: 0.085 m η = 7.0	η = 1.0	x: 0.758 m η = 1.8	x: 0.085 m η = 6.1	x: 0.085 m η = 7.1	x: 0.085 m η = 0.4	x: 0.085 m η = 0.5	x: 0.085 m η = 14.7	x: 0.591 m η = 6.1	x: 0.085 m η = 12.7	**CUMPLE η = 14.7**
N269/N270	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 2.0	x: 0.101 m η = 0.8	η = 3.4	x: 0.642 m η = 6.6	x: 0.101 m η = 6.0	x: 0.641 m η = 4.5	η = 1.6	x: 0.642 m η = 8.0	x: 0.101 m η = 6.0	x: 0.642 m η = 0.7	x: 0.101 m η = 0.5	x: 0.642 m η = 12.8	x: 0.642 m η = 4.2	x: 0.101 m η = 9.4	**CUMPLE η = 12.8**
N396/N397	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 10.0	x: 0 m η = 12.8	x: 0 m η = 6.8	x: 0.759 m η = 9.5	x: 0 m η = 40.3	η = 19.9	η = 1.1	x: 0.759 m η = 12.4	x: 0 m η = 40.4	x: 0.759 m η = 1.6	x: 0 m η = 19.7	x: 0 m η = 37.6	x: 0 m η = 54.5	x: 0 m η = 63.1	**CUMPLE η = 63.1**
N397/N398	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.774 m η = 6.9	x: 0.101 m η = 5.9	η = 7.5	x: 0.101 m η = 7.8	x: 0.775 m η = 8.3	η = 1.9	η = 1.2	x: 0.101 m η = 11.2	x: 0.775 m η = 8.4	x: 0.101 m η = 1.3	x: 0.775 m η = 0.7	x: 0.101 m η = 20.8	x: 0.775 m η = 15.0	x: 0.775 m η = 13.4	**CUMPLE η = 20.8**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N398/N399	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.758 m η = 6.7	x: 0.085 m η = 5.5	x: 0.085 m η = 6.8	x: 0.085 m η = 3.8	x: 0.085 m η = 6.8	η = 1.1	η = 1.4	x: 0.085 m η = 6.8	x: 0.085 m η = 6.9	x: 0.085 m η = 0.5	x: 0.085 m η = 0.5	x: 0.085 m η = 16.3	x: 0.085 m η = 6.4	x: 0.085 m η = 11.8	**CUMPLE η = 16.3**
N399/N400	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 2.2	x: 0.101 m η = 1.0	η = 4.1	x: 0.642 m η = 4.5	x: 0.101 m η = 6.3	η = 4.9	η = 1.3	x: 0.642 m η = 6.3	x: 0.101 m η = 6.3	x: 0.642 m η = 0.4	x: 0.101 m η = 0.6	x: 0.642 m η = 11.1	x: 0.101 m η = 5.0	x: 0.101 m η = 9.8	**CUMPLE η = 11.1**
N669/N672	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 6.2	x: 0 m η = 13.1	η = 6.7	x: 0 m η = 34.0	x: 0 m η = 26.1	η = 3.6	x: 0.846 m η = 13.3	x: 0 m η = 34.3	x: 0 m η = 29.0	x: 0 m η = 13.5	x: 0 m η = 8.6	x: 0 m η = 50.1	x: 0 m η = 52.8	x: 0 m η = 49.9	**CUMPLE η = 52.8**
N672/N671	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 5.0	x: 0.092 m η = 13.3	η = 10.4	x: 0.642 m η = 15.6	x: 0.092 m η = 17.1	η = 1.7	x: 0.641 m η = 7.9	x: 0.642 m η = 15.7	x: 0.092 m η = 21.7	x: 0.642 m η = 3.1	x: 0.092 m η = 4.8	x: 0.642 m η = 15.8	x: 0.642 m η = 34.3	x: 0.642 m η = 32.9	**CUMPLE η = 34.3**
N671/N670	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 1.4	x: 0.297 m η = 2.8	η = 4.8	x: 0.297 m η = 11.0	x: 0.297 m η = 5.4	η = 0.5	x: 0.297 m η = 4.7	x: 0.297 m η = 11.1	x: 0.297 m η = 7.5	x: 0.297 m η = 1.4	x: 0.297 m η = 0.6	x: 0.297 m η = 17.2	x: 0.297 m η = 14.7	x: 0.297 m η = 16.0	**CUMPLE η = 17.2**
N670/N6	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 1.1	x: 0.092 m η = 2.6	x: 0.312 m η = 4.8	x: 0.092 m η = 2.1	x: 0.092 m η = 4.6	x: 0.312 m η = 0.7	x: 0.092 m η = 1.1	x: 0.092 m η = 2.7	x: 0.092 m η = 6.7	x: 0.092 m η = 0.1	x: 0.092 m η = 0.5	x: 0.092 m η = 10.6	x: 0.092 m η = 10.5	x: 0.092 m η = 6.9	**CUMPLE η = 10.6**
N2/N672	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.309 m η = 5.0	x: 0.309 m η = 3.9	x: 0.309 m η = 6.5	x: 0.777 m η = 48.1	x: 0.777 m η = 18.6	x: 0.309 m η = 7.1	x: 0.153 m η = 28.8	x: 0.777 m η = 48.2	x: 0.777 m η = 21.4	x: 0.777 m η = 31.5	x: 0.777 m η = 5.1	x: 0.777 m η = 72.6	x: 0.777 m η = 33.0	x: 0.777 m η = 65.1	**CUMPLE η = 72.6**
N3/N671	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 3.1	η = 4.4	x: 1.15 m η = 14.6	x: 1.15 m η = 9.2	η = 0.9	x: 0.137 m η = 5.4	x: 1.15 m η = 14.7	x: 1.15 m η = 11.1	x: 1.15 m η = 2.4	x: 1.15 m η = 1.2	x: 1.15 m η = 20.6	x: 1.15 m η = 21.3	x: 1.15 m η = 20.6	**CUMPLE η = 21.3**
N4/N670	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 4.7	x: 1.53 m η = 3.4	x: 0.197 m η = 9.4	x: 0.197 m η = 6.9	x: 1.529 m η = 0.8	x: 1.53 m η = 2.7	x: 0.197 m η = 9.4	x: 0.197 m η = 8.4	x: 0.197 m η = 0.9	x: 0.197 m η = 0.7	x: 0.197 m η = 14.9	x: 0.197 m η = 13.2	x: 1.53 m η = 12.2	**CUMPLE η = 14.9**
N671/N4	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.568 m η = 14.0	x: 0.568 m η = 17.6	x: 0.36 m η = 4.0	x: 1.397 m η = 8.1	x: 0.153 m η = 2.3	x: 0.36 m η = 0.6	x: 1.396 m η = 2.4	x: 1.397 m η = 8.2	x: 0.153 m η = 4.1	x: 1.397 m η = 0.7	x: 0.153 m η = 0.2	x: 0.153 m η = 24.6	x: 1.397 m η = 26.2	x: 1.397 m η = 27.7	**CUMPLE η = 27.7**
N2/N671	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.546 m η = 13.4	x: 0.546 m η = 30.2	η = 0.7	x: 0.164 m η = 11.4	x: 1.309 m η = 14.5	x: 0.164 m η = 1.1	x: 0.164 m η = 3.7	x: 0.164 m η = 11.5	x: 1.309 m η = 14.7	x: 0.164 m η = 1.4	x: 1.309 m η = 2.2	x: 1.309 m η = 25.8	x: 0.164 m η = 42.3	x: 0.164 m η = 44.2	**CUMPLE η = 44.2**
N671/N16	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.403 m η = 4.0	x: 0.297 m η = 22.2	η = 2.7	x: 0.297 m η = 3.8	x: 0.297 m η = 12.8	η = 0.6	x: 0.297 m η = 0.2	x: 0.297 m η = 3.9	x: 0.297 m η = 14.0	x: 0.297 m η = 0.2	x: 0.297 m η = 2.0	x: 2.821 m η = 5.6	x: 3.404 m η = 26.7	x: 0.297 m η = 26.9	**CUMPLE η = 26.9**
N673/N676	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 5.3	x: 0 m η = 11.9	η = 6.4	x: 0 m η = 33.9	x: 0 m η = 24.9	η = 3.4	x: 0.846 m η = 13.4	x: 0 m η = 33.9	x: 0 m η = 27.7	x: 0 m η = 13.3	x: 0 m η = 7.8	x: 0 m η = 48.3	x: 0 m η = 53.2	x: 0 m η = 50.0	**CUMPLE η = 53.2**
N676/N675	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 4.0	x: 0.092 m η = 13.3	η = 10.0	x: 0.642 m η = 15.6	x: 0.092 m η = 16.3	η = 1.6	x: 0.641 m η = 7.9	x: 0.642 m η = 15.7	x: 0.092 m η = 20.7	x: 0.642 m η = 3.1	x: 0.092 m η = 4.3	x: 0.642 m η = 15.2	x: 0.642 m η = 33.4	x: 0.642 m η = 32.8	**CUMPLE η = 33.4**
N675/N674	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 1.7	x: 0.297 m η = 3.0	η = 4.8	x: 0.297 m η = 11.1	x: 0.297 m η = 5.1	η = 0.4	x: 0.297 m η = 4.7	x: 0.297 m η = 11.1	x: 0.297 m η = 7.2	x: 0.297 m η = 1.4	x: 0.297 m η = 0.5	x: 0.297 m η = 18.1	x: 0.297 m η = 14.4	x: 0.297 m η = 16.0	**CUMPLE η = 18.1**
N674/N7	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 1.4	x: 0.092 m η = 2.8	η = 4.7	x: 0.092 m η = 2.1	x: 0.092 m η = 4.5	η = 0.6	x: 0.092 m η = 1.0	x: 0.092 m η = 2.8	x: 0.092 m η = 6.6	x: 0.092 m η = 0.1	x: 0.092 m η = 0.4	x: 0.092 m η = 11.3	x: 0.092 m η = 11.0	x: 0.092 m η = 7.3	**CUMPLE η = 11.3**
N676/N9	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.618 m η = 4.9	x: 0.618 m η = 3.7	x: 0.618 m η = 6.2	x: 0.15 m η = 48.2	x: 0.15 m η = 17.9	x: 0.618 m η = 6.8	x: 0.774 m η = 28.9	x: 0.15 m η = 48.3	x: 0.15 m η = 20.6	x: 0.15 m η = 31.6	x: 0.15 m η = 4.7	x: 0.15 m η = 72.8	x: 0.15 m η = 32.7	x: 0.15 m η = 65.1	**CUMPLE η = 72.8**
N675/N10	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 3.1	η = 4.3	x: 0.153 m η = 14.1	x: 0.153 m η = 8.7	η = 0.9	x: 1.166 m η = 5.2	x: 0.153 m η = 14.2	x: 0.153 m η = 10.6	x: 0.153 m η = 2.3	x: 0.153 m η = 1.1	x: 0.153 m η = 20.4	x: 0.153 m η = 21.4	x: 0.153 m η = 20.1	**CUMPLE η = 21.4**
N674/N11	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 4.7	x: 0.15 m η = 3.3	x: 1.483 m η = 8.1	x: 1.483 m η = 6.7	x: 0.15 m η = 0.8	x: 0.15 m η = 2.4	x: 1.483 m η = 8.1	x: 1.483 m η = 8.1	x: 1.483 m η = 0.7	x: 1.483 m η = 0.7	x: 1.483 m η = 14.7	x: 1.483 m η = 13.0	x: 0.15 m η = 12.1	**CUMPLE η = 14.7**
N675/N68	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.402 m η = 4.1	x: 0.297 m η = 22.1	η = 2.4	x: 0.297 m η = 3.8	x: 0.297 m η = 12.2	η = 0.6	x: 0.297 m η = 0.2	x: 0.297 m η = 3.9	x: 0.297 m η = 13.3	x: 0.297 m η = 0.1	x: 0.297 m η = 1.8	x: 2.82 m η = 5.6	x: 3.403 m η = 26.8	x: 0.297 m η = 26.8	**CUMPLE η = 26.8**
N675/N11	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.568 m η = 12.4	x: 0.568 m η = 15.5	x: 0.568 m η = 3.9	x: 0.153 m η = 7.6	x: 0.153 m η = 1.9	x: 0.568 m η = 0.5	x: 1.396 m η = 2.2	x: 0.153 m η = 7.7	x: 0.153 m η = 3.6	x: 0.153 m η = 0.6	x: 0.153 m η = 0.1	x: 0.153 m η = 21.9	x: 1.397 m η = 23.0	x: 1.397 m η = 24.4	**CUMPLE η = 24.4**
N9/N675	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.546 m η = 13.1	x: 0.546 m η = 30.0	η = 0.7	x: 0.164 m η = 11.5	x: 1.309 m η = 14.0	x: 0.164 m η = 1.0	x: 0.164 m η = 3.6	x: 0.164 m η = 11.5	x: 1.309 m η = 14.2	x: 0.164 m η = 1.4	x: 1.309 m η = 2.0	x: 1.309 m η = 25.5	x: 0.164 m η = 42.0	x: 0.164 m η = 44.1	**CUMPLE η = 44.1**
N677/N148	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.403 m η = 4.5	x: 0.297 m η = 22.3	η = 2.4	x: 0.297 m η = 3.9	x: 0.297 m η = 12.6	η = 0.6	x: 0.297 m η = 0.2	x: 0.297 m η = 3.9	x: 0.297 m η = 13.7	x: 0.297 m η = 0.2	x: 0.297 m η = 1.9	x: 1.462 m η = 5.7	x: 0.297 m η = 26.5	x: 0.297 m η = 27.2	**CUMPLE η = 27.2**
N136/N679	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 5.9	η = 5.1	x: 0.309 m η = 6.2	x: 0.777 m η = 55.9	x: 0.777 m η = 18.8	x: 0.309 m η = 7.0	x: 0.153 m η = 33.4	x: 0.777 m η = 56.1	x: 0.777 m η = 21.5	x: 0.777 m η = 42.6	x: 0.777 m η = 5.1	x: 0.777 m η = 78.2	x: 0.777 m η = 40.7	x: 0.777 m η = 75.8	**CUMPLE η = 78.2**
N137/N677	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.2	η = 2.8	η = 4.3	x: 1.15 m η = 17.2	x: 1.15 m η = 9.5	η = 1.0	x: 0.137 m η = 6.4	x: 1.15 m η = 17.3	x: 1.15 m η = 11.4	x: 1.15 m η = 3.4	x: 1.15 m η = 1.3	x: 1.15 m η = 20.5	x: 1.15 m η = 21.0	x: 1.15 m η = 24.2	**CUMPLE η = 24.2**
N138/N680	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 4.4	x: 1.53 m η = 3.5	x: 0.197 m η = 10.4	x: 0.197 m η = 7.6	η = 0.9	x: 1.53 m η = 3.0	x: 0.197 m η = 10.4	x: 0.197 m η = 9.1	x: 0.197 m η = 1.2	x: 0.197 m η = 0.8	x: 0.197 m η = 14.1	x: 0.197 m η = 13.7	x: 0.197 m η = 13.6	**CUMPLE η = 14.1**
N677/N138	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.396 m η = 16.4	x: 0.153 m η = 20.8	x: 0.568 m η = 4.2	x: 1.397 m η = 9.7	x: 0.153 m η = 2.4	x: 0.568 m η = 0.6	x: 0.153 m η = 2.9	x: 1.397 m η = 9.8	x: 0.153 m η = 4.3	x: 1.397 m η = 1.0	x: 0.153 m η = 0.2	x: 0.153 m η = 29.0	x: 1.397 m η = 31.1	x: 1.397 m η = 32.9	**CUMPLE η = 32.9**
N136/N677	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.308 m η = 19.0	x: 0.546 m η = 34.9	η = 0.5	x: 0.164 m η = 13.1	x: 1.309 m η = 14.7	η = 1.1	x: 0.164 m η = 4.3	x: 0.164 m η = 13.2	x: 1.309 m η = 15.0	x: 0.164 m η = 1.9	x: 1.309 m η = 2.3	x: 1.309 m η = 32.4	x: 0.164 m η = 49.3	x: 0.164 m η = 51.3	**CUMPLE η = 51.3**
N681/N660	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.403 m η = 4.4	x: 0.297 m η = 22.2	η = 2.4	x: 0.297 m η = 3.9	x: 0.297 m η = 12.7	η = 0.6	x: 0.297 m η = 0.2	x: 0.297 m η = 3.9	x: 0.297 m η = 13.7	x: 0.297 m η = 0.2	x: 0.297 m η = 1.9	x: 1.656 m η = 5.6	x: 0.297 m η = 26.6	x: 0.297 m η = 27.0	**CUMPLE η = 27.0**
N267/N683	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 5.8	η = 5.0	x: 0.309 m η = 6.2	x: 0.777 m η = 54.3	x: 0.777 m η = 18.8	x: 0.309 m η = 7.0	x: 0.153 m η = 32.5	x: 0.777 m η = 54.4	x: 0.777 m η = 21.5	x: 0.777 m η = 40.1	x: 0.777 m η = 5.1	x: 0.777 m η = 75.0	x: 0.777 m η = 38.5	x: 0.777 m η = 73.6	**CUMPLE η = 75.0**
N268/N681	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.1	η = 2.7	η = 4.3	x: 1.15 m η = 16.7	x: 1.15 m η = 9.5	η = 1.0	x: 0.137 m η = 6.2	x: 1.15 m η = 16.8	x: 1.15 m η = 11.4	x: 1.15 m η = 3.2	x: 1.15 m η = 1.3	x: 1.15 m η = 19.4	x: 1.15 m η = 19.9	x: 1.15 m η = 23.5	**CUMPLE η = 23.5**
N269/N684	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 4.3	x: 1.53 m η = 3.4	x: 0.197 m η = 10.3	x: 0.197 m η = 7.6	η = 0.9	x: 1.53 m η = 3.0	x: 0.197 m η = 10.3	x: 0.197 m η = 9.1	x: 0.197 m η = 1.1	x: 0.197 m η = 0.8	x: 0.197 m η = 13.6	x: 0.197 m η = 13.8	x: 0.197 m η = 13.8	**CUMPLE η = 13.8**
N681/N269	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.396 m η = 16.0	x: 0.153 m η = 20.5	x: 0.568 m η = 4.2	x: 1.397 m η = 9.5	x: 0.153 m η = 2.4	x: 0.568 m η = 0.6	x: 0.153 m η = 2.8	x: 1.397 m η = 9.6	x: 0.153 m η = 4.3	x: 1.397 m η = 1.0	x: 0.153 m η = 0.2	x: 0.153 m η = 27.9	x: 1.397 m η = 30.5	x: 1.397 m η = 32.3	**CUMPLE η = 32.3**
N267/N681	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.546 m η = 18.3	x: 0.546 m η = 33.9	η = 0.5	x: 0.164 m η = 12.8	x: 1.309 m η = 14.8	η = 1.1	x: 0.164 m η = 4.2	x: 0.164 m η = 12.8	x: 1.309 m η = 15.0	x: 0.164 m η = 1.8	x: 1.309 m η = 2.3	x: 1.309 m η = 30.8	x: 0.164 m η = 47.5	x: 0.164 m η = 49.9	**CUMPLE η = 49.9**
N685/N662	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.403 m η = 4.1	x: 0.297 m η = 22.3	η = 2.7	x: 0.297 m η = 3.8	x: 0.297 m η = 12.7	η = 0.6	x: 0.297 m η = 0.2	x: 0.297 m η = 3.9	x: 0.297 m η = 13.8	x: 0.297 m η = 0.2	x: 0.297 m η = 1.9	x: 2.821 m η = 5.5	x: 3.404 m η = 26.7	x: 0.297 m η = 27.0	**CUMPLE η = 27.0**
N397/N687	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 5.7	η = 4.6	x: 0.309 m η = 6.5	x: 0.777 m η = 49.7	x: 0.777 m η = 18.4	x: 0.309 m η = 7.0	x: 0.153 m η = 29.7	x: 0.777 m η = 49.7	x: 0.777 m η = 21.3	x: 0.777 m η = 33.5	x: 0.777 m η = 5.0	x: 0.777 m η = 73.4	x: 0.777 m η = 33.1	x: 0.777 m η = 67.7	**CUMPLE η = 73.4**
N398/N685	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.6	η = 3.2	η = 4.4	x: 1.15 m η = 16.4	x: 1.15 m η = 9.0	η = 0.9	x: 0.137 m η = 6.1	x: 1.15 m η = 16.5	x: 1.15 m η = 11.0	x: 1.15 m η = 3.1	x: 1.15 m η = 1.2	x: 1.15 m η = 20.6	x: 1.15 m η = 21.6	x: 1.15 m η = 22.7	**CUMPLE η = 22.7**
N399/N688	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 4.8	x: 1.53 m η = 3.4	x: 0.197 m η = 11.3	x: 0.197 m η = 6.7	η = 0.8	x: 1.53 m η = 3.3	x: 0.197 m η = 11.4	x: 0.197 m η = 8.2	x: 0.197 m η = 1.4	x: 0.197 m η = 0.7	x: 0.197 m η = 14.6	x: 0.197 m η = 13.0	x: 0.197 m η = 14.4	**CUMPLE η = 14.6**
N685/N399	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.396 m η = 17.4	x: 0.153 m η = 21.1	x: 0.36 m η = 3.9	x: 1.397 m η = 9.6	x: 0.153 m η = 2.3	x: 0.36 m η = 0.6	x: 1.396 m η = 2.8	x: 1.397 m η = 9.7	x: 0.153 m η = 4.1	x: 1.397 m η = 1.0	x: 0.153 m η = 0.2	x: 0.153 m η = 28.9	x: 1.397 m η = 31.2	x: 1.397 m η = 33.2	**CUMPLE η = 33.2**
N397/N685	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.546 m η = 14.5	x: 0.546 m η = 31.6	η = 0.8	x: 0.164 m η = 12.0	x: 1.309 m η = 14.4	x: 0.164 m η = 1.0	x: 0.164 m η = 4.0	x: 0.164 m η = 12.0	x: 1.309 m η = 14.6	x: 0.164 m η = 1.6	x: 1.309 m η = 2.2	x: 1.309 m η = 26.0	x: 1.309 m η = 44.2	x: 0.164 m η = 46.5	**CUMPLE η = 46.5**
N686/N687	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 7.5	x: 0 m η = 14.4	η = 6.6	x: 0 m η = 35.3	x: 0 m η = 26.0	η = 3.6	x: 0.846 m η = 13.7	x: 0 m η = 35.6	x: 0 m η = 28.9	x: 0 m η = 14.5	x: 0 m η = 8.5	x: 0 m η = 52.0	x: 0 m η = 53.1	x: 0 m η = 50.9	**CUMPLE η = 53.1**
N687/N685	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.367 m η = 6.3	x: 0.367 m η = 14.0	η = 10.4	x: 0.642 m η = 15.8	x: 0.092 m η = 17.0	η = 1.7	x: 0.641 m η = 8.0	x: 0.642 m η = 16.0	x: 0.092 m η = 21.6	x: 0.642 m η = 3.2	x: 0.092 m η = 4.7	x: 0.642 m η = 15.2	x: 0.642 m η = 34.4	x: 0.642 m η = 32.9	**CUMPLE η = 34.4**
N685/N688	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 2.1	x: 0.297 m η = 3.5	η = 4.8	x: 0.297 m η = 11.1	x: 0.297 m η = 5.4	η = 0.5	x: 0.297 m η = 4.7	x: 0.297 m η = 11.2	x: 0.297 m η = 7.5	x: 0.297 m η = 1.5	x: 0.297 m η = 0.6	x: 0.297 m η = 8.1	x: 0.297 m η = 14.7	x: 0.297 m η = 16.0	**CUMPLE η = 16.0**
N688/N661	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 1.8	x: 0.092 m η = 3.3	η = 4.7	x: 0.092 m η = 2.2	x: 0.092 m η = 4.6	η = 0.7	x: 0.092 m η = 1.4	x: 0.092 m η = 2.7	x: 0.092 m η = 6.7	x: 0.092 m η = 0.1	x: 0.092 m η = 0.5	x: 0.972 m η = 4.5	x: 0.092 m η = 10.4	x: 0.092 m η = 6.8	**CUMPLE η = 10.4**
N682/N683	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 7.4	x: 0 m η = 14.6	η = 6.5	x: 0 m η = 38.5	x: 0 m η = 26.2	x: 0.635 m η = 3.6	x: 0.846 m η = 15.0	x: 0 m η = 38.6	x: 0 m η = 29.1	x: 0 m η = 17.2	x: 0 m η = 8.6	x: 0 m η = 56.5	x: 0 m η = 44.7	x: 0 m η = 54.6	**CUMPLE η = 56.5**
N683/N681	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 5.9	x: 0.092 m η = 15.6	η = 10.3	x: 0.642 m η = 15.0	x: 0.092 m η = 17.1	η = 1.7	x: 0.641 m η = 7.2	x: 0.642 m η = 15.1	x: 0.092 m η = 21.7	x: 0.642 m η = 2.8	x: 0.092 m η = 4.7	x: 0.642 m η = 16.6	x: 0.642 m η = 31.8	x: 0.642 m η = 34.3	**CUMPLE η = 34.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N681/N684	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 1.9	x: 0.297 m η = 3.4	η = 5.0	x: 0.297 m η = 11.0	x: 0.297 m η = 5.3	η = 0.4	x: 0.297 m η = 4.7	x: 0.297 m η = 11.0	x: 0.297 m η = 7.5	x: 0.297 m η = 1.4	x: 0.297 m η = 0.6	x: 0.297 m η = 6.9	x: 0.297 m η = 14.2	x: 0.297 m η = 16.8	**CUMPLE η = 16.8**
N684/N659	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 1.5	x: 0.092 m η = 3.4	η = 4.9	x: 0.092 m η = 2.3	x: 0.092 m η = 4.6	η = 0.6	x: 0.092 m η = 1.2	x: 0.092 m η = 2.8	x: 0.092 m η = 6.8	x: 0.092 m η = 0.1	x: 0.092 m η = 0.5	x: 0.972 m η = 3.6	x: 0.092 m η = 10.5	x: 0.092 m η = 6.8	**CUMPLE η = 10.5**
N678/N679	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 7.6	x: 0 m η = 14.8	x: 0 m η = 6.5	x: 0 m η = 39.6	x: 0 m η = 26.1	x: 0.846 m η = 3.6	x: 0.846 m η = 15.4	x: 0 m η = 39.8	x: 0 m η = 29.0	x: 0 m η = 18.2	x: 0 m η = 8.6	x: 0 m η = 59.9	x: 0 m η = 45.0	x: 0 m η = 56.2	**CUMPLE η = 59.9**
N679/N677	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.367 m η = 6.1	x: 0.092 m η = 15.4	η = 10.3	x: 0.642 m η = 15.2	x: 0.092 m η = 17.1	η = 1.7	x: 0.641 m η = 7.3	x: 0.642 m η = 15.2	x: 0.092 m η = 21.6	x: 0.642 m η = 2.8	x: 0.092 m η = 4.7	x: 0.642 m η = 18.1	x: 0.642 m η = 31.7	x: 0.642 m η = 34.4	**CUMPLE η = 34.4**
N677/N680	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 2.0	x: 0.297 m η = 3.6	η = 5.0	x: 0.297 m η = 11.1	x: 0.297 m η = 5.3	η = 0.4	x: 0.297 m η = 4.7	x: 0.297 m η = 11.1	x: 0.297 m η = 7.5	x: 0.297 m η = 1.4	x: 0.297 m η = 0.6	x: 0.297 m η = 8.2	x: 0.297 m η = 14.3	x: 0.297 m η = 16.9	**CUMPLE η = 16.9**
N680/N658	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 1.6	x: 0.092 m η = 3.3	η = 4.9	x: 0.092 m η = 2.3	x: 0.092 m η = 4.7	η = 0.6	x: 0.092 m η = 1.2	x: 0.092 m η = 2.8	x: 0.092 m η = 6.8	x: 0.092 m η = 0.1	x: 0.092 m η = 0.5	x: 0.972 m η = 3.7	x: 0.092 m η = 10.5	x: 0.092 m η = 6.8	**CUMPLE η = 10.5**
N689/N664	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.402 m η = 4.5	x: 0.297 m η = 22.3	η = 2.4	x: 0.297 m η = 3.9	x: 0.297 m η = 12.3	η = 0.6	x: 0.297 m η = 0.2	x: 0.297 m η = 3.9	x: 0.297 m η = 13.3	x: 0.297 m η = 0.2	x: 0.297 m η = 1.8	x: 1.462 m η = 5.7	x: 0.297 m η = 26.5	x: 0.297 m η = 27.1	**CUMPLE η = 27.1**
N690/N691	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 7.0	x: 0 m η = 13.9	x: 0.846 m η = 6.4	x: 0 m η = 35.2	x: 0 m η = 25.1	x: 0.846 m η = 3.5	x: 0.846 m η = 13.7	x: 0 m η = 35.2	x: 0 m η = 28.0	x: 0 m η = 14.2	x: 0 m η = 7.9	x: 0 m η = 51.8	x: 0 m η = 43.2	x: 0 m η = 49.9	**CUMPLE η = 51.8**
N691/N689	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 5.7	x: 0.092 m η = 15.4	η = 10.0	x: 0.642 m η = 15.2	x: 0.092 m η = 16.3	η = 1.7	x: 0.641 m η = 7.3	x: 0.642 m η = 15.2	x: 0.092 m η = 20.8	x: 0.642 m η = 2.8	x: 0.092 m η = 4.3	x: 0.642 m η = 15.2	x: 0.642 m η = 31.7	x: 0.642 m η = 34.3	**CUMPLE η = 34.3**
N689/N692	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 1.5	x: 0.297 m η = 3.1	η = 4.9	x: 0.297 m η = 11.1	x: 0.297 m η = 5.0	η = 0.4	x: 0.297 m η = 4.7	x: 0.297 m η = 11.1	x: 0.297 m η = 7.2	x: 0.297 m η = 1.5	x: 0.297 m η = 0.5	x: 0.297 m η = 5.1	x: 0.297 m η = 14.3	x: 0.297 m η = 16.9	**CUMPLE η = 16.9**
N692/N663	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 1.1	x: 0.092 m η = 3.3	η = 4.8	x: 0.092 m η = 2.3	x: 0.092 m η = 4.5	η = 0.6	x: 0.092 m η = 1.2	x: 0.092 m η = 2.8	x: 0.092 m η = 6.6	x: 0.092 m η = 0.1	x: 0.092 m η = 0.4	x: 0.972 m η = 3.1	x: 0.092 m η = 10.5	x: 0.092 m η = 6.7	**CUMPLE η = 10.5**
N691/N141	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.462 m η = 5.3	x: 0.462 m η = 4.4	x: 0.618 m η = 6.0	x: 0.15 m η = 49.5	x: 0.15 m η = 18.3	x: 0.618 m η = 6.8	x: 0.774 m η = 29.6	x: 0.15 m η = 49.5	x: 0.15 m η = 20.9	x: 0.15 m η = 33.3	x: 0.15 m η = 4.8	x: 0.15 m η = 67.5	x: 0.15 m η = 31.2	x: 0.15 m η = 67.1	**CUMPLE η = 67.5**
N689/N142	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.8	η = 4.2	x: 0.153 m η = 15.3	x: 0.153 m η = 9.2	η = 0.9	x: 1.166 m η = 5.7	x: 0.153 m η = 15.3	x: 0.153 m η = 11.1	x: 0.153 m η = 2.7	x: 0.153 m η = 1.2	x: 0.153 m η = 16.1	x: 0.153 m η = 17.8	x: 0.153 m η = 21.5	**CUMPLE η = 21.5**
N689/N143	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.396 m η = 15.1	x: 0.153 m η = 19.1	x: 0.775 m η = 4.1	x: 1.397 m η = 8.8	x: 0.153 m η = 2.1	x: 0.775 m η = 0.5	x: 0.153 m η = 2.6	x: 1.397 m η = 8.9	x: 0.153 m η = 3.9	x: 1.397 m η = 0.9	x: 0.153 m η = 0.2	x: 0.153 m η = 26.2	x: 1.397 m η = 28.4	x: 1.397 m η = 30.1	**CUMPLE η = 30.1**
N141/N689	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 1.308 m η = 15.2	x: 0.164 m η = 31.0	η = 0.4	x: 0.164 m η = 11.7	x: 1.309 m η = 14.4	η = 1.1	x: 0.164 m η = 3.8	x: 0.164 m η = 11.7	x: 1.309 m η = 14.6	x: 0.164 m η = 1.5	x: 1.309 m η = 2.1	x: 1.309 m η = 25.6	x: 0.164 m η = 43.2	x: 0.164 m η = 45.6	**CUMPLE η = 45.6**
N692/N143	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 4.4	x: 0.15 m η = 3.4	x: 1.483 m η = 10.0	x: 1.483 m η = 7.5	x: 0.15 m η = 0.9	x: 0.15 m η = 2.9	x: 1.483 m η = 10.0	x: 1.483 m η = 8.9	x: 1.483 m η = 1.1	x: 1.483 m η = 0.8	x: 1.483 m η = 12.9	x: 1.483 m η = 14.0	x: 1.483 m η = 13.6	**CUMPLE η = 14.0**
N693/N666	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.402 m η = 4.3	x: 0.297 m η = 21.9	η = 2.4	x: 0.297 m η = 3.8	x: 0.297 m η = 12.3	η = 0.6	x: 0.297 m η = 0.2	x: 0.297 m η = 3.9	x: 0.297 m η = 13.4	x: 0.297 m η = 0.2	x: 0.297 m η = 1.8	x: 1.85 m η = 5.6	x: 0.297 m η = 26.3	x: 0.297 m η = 26.6	**CUMPLE η = 26.6**
N694/N695	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 7.1	x: 0 m η = 13.9	x: 0.846 m η = 6.4	x: 0 m η = 34.7	x: 0 m η = 25.2	x: 0.846 m η = 3.5	x: 0.846 m η = 13.5	x: 0 m η = 34.7	x: 0 m η = 28.1	x: 0 m η = 13.8	x: 0 m η = 8.0	x: 0 m η = 50.1	x: 0 m η = 43.0	x: 0 m η = 49.5	**CUMPLE η = 50.1**
N695/N693	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 5.8	x: 0.092 m η = 14.8	η = 10.1	x: 0.642 m η = 15.0	x: 0.092 m η = 16.4	η = 1.7	x: 0.641 m η = 7.3	x: 0.642 m η = 15.1	x: 0.092 m η = 20.9	x: 0.642 m η = 2.8	x: 0.092 m η = 4.4	x: 0.642 m η = 14.4	x: 0.642 m η = 31.3	x: 0.642 m η = 33.5	**CUMPLE η = 33.5**
N693/N696	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 1.7	x: 0.297 m η = 3.1	η = 5.0	x: 0.297 m η = 10.9	x: 0.297 m η = 5.0	η = 0.4	x: 0.297 m η = 4.6	x: 0.297 m η = 10.9	x: 0.297 m η = 7.2	x: 0.297 m η = 1.4	x: 0.297 m η = 0.5	x: 0.297 m η = 5.6	x: 0.297 m η = 13.9	x: 0.297 m η = 16.5	**CUMPLE η = 16.5**
N696/N665	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.971 m η = 1.3	x: 0.092 m η = 3.2	η = 4.9	x: 0.092 m η = 2.2	x: 0.092 m η = 4.5	η = 0.6	x: 0.092 m η = 1.0	x: 0.092 m η = 2.8	x: 0.092 m η = 6.6	x: 0.092 m η = 0.1	x: 0.092 m η = 0.4	x: 0.972 m η = 2.7	x: 0.092 m η = 10.4	x: 0.092 m η = 6.7	**CUMPLE η = 10.4**
N695/N272	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.618 m η = 5.3	x: 0.618 m η = 4.3	x: 0.618 m η = 6.0	x: 0.15 m η = 48.7	x: 0.15 m η = 18.3	x: 0.618 m η = 6.8	x: 0.774 m η = 29.1	x: 0.15 m η = 48.7	x: 0.15 m η = 21.0	x: 0.15 m η = 32.2	x: 0.15 m η = 4.9	x: 0.15 m η = 66.6	x: 0.15 m η = 30.6	x: 0.15 m η = 66.2	**CUMPLE η = 66.6**
N693/N273	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 2.8	η = 4.2	x: 0.153 m η = 15.2	x: 0.153 m η = 9.2	η = 0.9	x: 1.166 m η = 5.7	x: 0.153 m η = 15.2	x: 0.153 m η = 11.1	x: 0.153 m η = 2.6	x: 0.153 m η = 1.2	x: 0.153 m η = 16.3	x: 0.153 m η = 17.8	x: 0.153 m η = 21.4	**CUMPLE η = 21.4**
N693/N274	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.568 m η = 14.8	x: 0.568 m η = 18.6	x: 0.775 m η = 4.1	x: 1.397 m η = 8.7	x: 0.153 m η = 2.1	x: 0.775 m η = 0.5	x: 1.396 m η = 2.5	x: 1.397 m η = 8.8	x: 0.153 m η = 3.9	x: 1.397 m η = 0.8	x: 0.153 m η = 0.2	x: 0.153 m η = 25.5	x: 1.397 m η = 27.6	x: 1.397 m η = 29.4	**CUMPLE η = 29.4**
N272/N693	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.546 m η = 14.8	x: 0.546 m η = 30.6	η = 0.5	x: 0.164 m η = 11.5	x: 1.309 m η = 14.4	η = 1.1	x: 0.164 m η = 3.8	x: 0.164 m η = 11.5	x: 1.309 m η = 14.6	x: 0.164 m η = 1.5	x: 1.309 m η = 2.2	x: 1.309 m η = 25.2	x: 0.164 m η = 42.6	x: 0.164 m η = 45.0	**CUMPLE η = 45.0**
N696/N274	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.8	η = 4.4	x: 0.15 m η = 3.3	x: 1.483 m η = 9.8	x: 1.483 m η = 7.5	x: 0.15 m η = 0.8	x: 0.15 m η = 2.8	x: 1.483 m η = 9.8	x: 1.483 m η = 8.9	x: 1.483 m η = 1.0	x: 1.483 m η = 0.8	x: 1.483 m η = 12.3	x: 1.483 m η = 13.7	x: 1.483 m η = 13.1	**CUMPLE η = 13.7**
N697/N668	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 3.402 m η = 4.2	x: 0.297 m η = 22.5	η = 2.4	x: 0.297 m η = 3.8	x: 0.297 m η = 12.2	η = 0.6	x: 0.297 m η = 0.2	x: 0.297 m η = 4.1	x: 0.297 m η = 13.2	x: 0.297 m η = 0.2	x: 0.297 m η = 1.8	x: 2.626 m η = 5.5	x: 3.403 m η = 27.3	x: 0.297 m η = 27.3	**CUMPLE η = 27.3**
N698/N699	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 6.2	x: 0.846 m η = 13.0	η = 6.4	x: 0 m η = 36.4	x: 0 m η = 24.9	η = 3.4	x: 0.846 m η = 14.4	x: 0 m η = 36.4	x: 0 m η = 27.7	x: 0 m η = 15.3	x: 0 m η = 7.8	x: 0 m η = 52.6	x: 0 m η = 53.1	x: 0 m η = 50.7	**CUMPLE η = 53.1**
N699/N697	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.641 m η = 4.8	x: 0.092 m η = 13.7	η = 10.0	x: 0.642 m η = 15.8	x: 0.092 m η = 16.3	η = 1.6	x: 0.641 m η = 7.9	x: 0.642 m η = 15.8	x: 0.092 m η = 20.7	x: 0.642 m η = 3.1	x: 0.092 m η = 4.3	x: 0.642 m η = 15.9	x: 0.642 m η = 33.6	x: 0.642 m η = 33.5	**CUMPLE η = 33.6**
N697/N700	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.846 m η = 1.8	x: 0.846 m η = 3.2	η = 4.7	x: 0.297 m η = 11.2	x: 0.297 m η = 5.2	η = 0.5	x: 0.297 m η = 4.8	x: 0.297 m η = 11.3	x: 0.297 m η = 7.3	x: 0.297 m η = 1.5	x: 0.297 m η = 0.5	x: 0.846 m η = 11.4	x: 0.297 m η = 14.5	x: 0.297 m η = 16.3	**CUMPLE η = 16.3**
N700/N667	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.532 m η = 1.4	x: 0.532 m η = 2.9	η = 4.6	x: 0.092 m η = 2.1	x: 0.092 m η = 4.5	η = 0.6	x: 0.092 m η = 1.1	x: 0.092 m η = 2.7	x: 0.092 m η = 6.5	x: 0.092 m η = 0.1	x: 0.092 m η = 0.4	x: 0.752 m η = 9.3	x: 0.092 m η = 10.1	x: 0.092 m η = 6.6	**CUMPLE η = 10.1**
N699/N402	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.618 m η = 5.3	x: 0.618 m η = 4.2	x: 0.618 m η = 6.2	x: 0.15 m η = 51.6	x: 0.15 m η = 17.8	x: 0.618 m η = 6.7	x: 0.774 m η = 30.9	x: 0.15 m η = 51.7	x: 0.15 m η = 20.5	x: 0.15 m η = 36.2	x: 0.15 m η = 4.7	x: 0.15 m η = 73.0	x: 0.15 m η = 33.0	x: 0.15 m η = 69.8	**CUMPLE η = 73.0**
N697/N403	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 1.0	η = 3.1	η = 4.3	x: 0.153 m η = 15.4	x: 0.153 m η = 8.6	η = 0.9	x: 1.166 m η = 5.7	x: 0.153 m η = 15.4	x: 0.153 m η = 10.5	x: 0.153 m η = 2.7	x: 0.153 m η = 1.1	x: 0.153 m η = 20.5	x: 0.153 m η = 21.3	x: 0.153 m η = 21.9	**CUMPLE η = 21.9**
N697/N404	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.568 m η = 14.0	x: 0.568 m η = 17.5	x: 0.568 m η = 3.8	x: 0.153 m η = 8.4	x: 0.153 m η = 1.9	x: 0.568 m η = 0.5	x: 1.396 m η = 2.5	x: 0.153 m η = 8.5	x: 0.153 m η = 3.6	x: 0.153 m η = 0.8	x: 0.153 m η = 0.1	x: 0.153 m η = 25.1	x: 1.397 m η = 25.8	x: 1.397 m η = 27.5	**CUMPLE η = 27.5**
N402/N697	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.546 m η = 15.1	x: 0.546 m η = 32.2	η = 0.7	x: 0.164 m η = 12.1	x: 1.309 m η = 13.9	x: 0.164 m η = 1.0	x: 0.164 m η = 3.9	x: 0.164 m η = 12.1	x: 1.309 m η = 14.2	x: 0.164 m η = 1.6	x: 1.309 m η = 2.0	x: 1.309 m η = 25.7	x: 0.164 m η = 45.0	x: 0.164 m η = 47.3	**CUMPLE η = 47.3**
N700/N404	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.9	η = 4.8	x: 0.15 m η = 3.3	x: 1.483 m η = 9.1	x: 1.483 m η = 6.5	x: 0.15 m η = 0.7	x: 0.15 m η = 2.6	x: 1.483 m η = 9.1	x: 1.483 m η = 7.9	x: 1.483 m η = 0.9	x: 1.483 m η = 0.6	x: 1.483 m η = 14.5	x: 1.483 m η = 13.0	x: 0.15 m η = 12.6	**CUMPLE η = 14.5**

Notación:
- *w / t: Limitaciones geométricas*
- *T: Resistencia a tracción*
- *P: Resistencia a compresión*
- *Tr: Resistencia a torsión*
- *M_x: Resistencia a flexión alrededor del eje X*
- *M_y: Resistencia a flexión alrededor del eje Y*
- *V_x: Resistencia a corte en la dirección del eje X*
- *V_y: Resistencia a corte en la dirección del eje Y*
- *M_xTr: Resistencia a flexión alrededor del eje X combinada con torsión*
- *M_yTr: Resistencia a flexión alrededor del eje Y combinada con torsión*
- *M_xV_y: Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y*
- *M_yV_x: Resistencia a flexión alrededor del eje Y combinada con corte en la dirección del eje X*
- *MT: Resistencia a flexión combinada con tracción*
- *MP: Resistencia a flexión combinada con compresión*
- *TPTrMV: Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises*
- *x: Distancia al origen de la barra*
- *η: Coeficiente de aprovechamiento (%)*
- *N.P.: No procede*

Comprobaciones que no proceden (N.P.):
- *[1] No hay interacción entre axil de tracción y momento flector para ninguna combinación. Por lo tanto, la comprobación no procede.*
- *[2] La comprobación no procede, ya que no hay axil de tracción.*
- *[3] La comprobación no procede, ya que no hay axil de compresión.*
- *[4] La comprobación no procede, ya que no hay torsión.*
- *[5] No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.*
- *[6] No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.*
- *[7] No hay interacción entre axil de compresión y momento flector para ninguna combinación. Por lo tanto, la comprobación no procede.*
- *[8] La comprobación no procede, ya que no hay esfuerzos combinados.*
- *[9] La comprobación no procede, ya que todas las combinaciones de esfuerzos solicitantes han sido verificadas en otras comprobaciones.*

1.1. Uniones

1.1.1. Especificaciones

Norma:

ANSI/AISC 360-10. Chapter K - K2. HSS to HSS truss connections.

Materiales:

- Perfiles (Material base): A572 50ksi.

- Material de aportación (soldaduras): Electrodos de la serie E70XX. Para los materiales empleados y el procedimiento de soldadura SMAW (Arco eléctrico con electrodo revestido), se cumplen las condiciones de compatibilidad entre materiales exigidas por el artículo J.2.6.

Disposiciones constructivas:

1) Cada tubo se soldará en todo su perímetro de contacto con los otros tubos.

2) Se define como ángulo diedro el ángulo medido en el plano perpendicular a la línea de soldadura, formado por las tangentes a las superficies externas de los tubos que se sueldan entre sí.

3) Para ángulos diedros mayores que 100 grados se deberá realizar soldadura a tope, independientemente del espesor del tubo que se suelda.

4) Los tubos de espesor igual o superior a 8 mm se soldarán a tope, excepto en las zonas en las que el ángulo diedro es agudo y pueda realizarse correctamente la soldadura en ángulo.

5) Los tubos de espesor inferior a 8 mm se pueden soldar con cordones de soldadura en ángulo.

6) En soldaduras a tope, el ángulo del bisel mínimo es de 45 grados.

7) En los detalles se indican los distintos tipos de cordones necesarios en el perímetro de soldadura de los tubos.

Comprobaciones:

Los cordones de soldadura se han dimensionado de tal manera que su resistencia sea igual o superior a la de la más débil de las piezas unidas. Para ello, se han tenido en cuenta las prescripciones y detalles indicados en la parte D de la norma AWS D1.1/D1.1M:2002.

1.1.3. Comprobaciones en placas de anclaje

En cada placa de anclaje se realizan las siguientes comprobaciones (asumiendo la hipótesis de placa rígida):

1. Hormigón sobre el que apoya la placa

Se comprueba que la tensión de compresión en la interfaz placa de anclaje-hormigón es menor a la tensión admisible del hormigón según la naturaleza de cada combinación.

2. Pernos de anclaje

a) *Resistencia del material de los pernos*: Se descomponen los esfuerzos actuantes sobre la placa en axiles y cortantes en los pernos y se comprueba que ambos esfuerzos, por separado y con interacción entre ellos (tensión de Von Mises), producen tensiones menores a la tensión límite del material de los pernos.

b) *Anclaje de los pernos*: Se comprueba el anclaje de los pernos en el hormigón de tal manera que no se produzca el fallo de deslizamiento por adherencia, arrancamiento del cono de rotura o fractura por esfuerzo cortante (aplastamiento).

c) *Aplastamiento*: Se comprueba que en cada perno no se supera el cortante que produciría el aplastamiento de la placa contra el perno.

3. Placa de anclaje

a) *Tensiones globales*: En placas con vuelo, se analizan cuatro secciones en el perímetro del perfil, y se comprueba en todas ellas que las tensiones de Von Mises sean menores que la tensión límite según la norma.

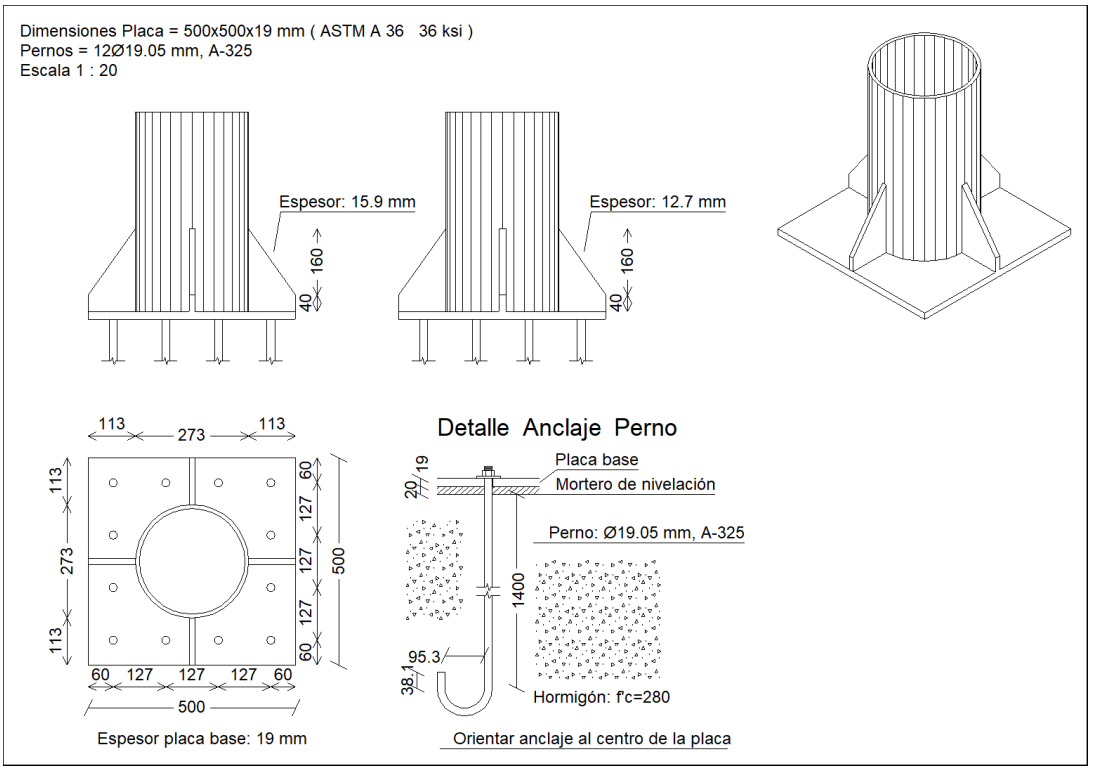
b) *Flechas globales relativas*: Se comprueba que en los vuelos de las placas no aparezcan flechas mayores que 1/250 del vuelo.

c) *Tensiones locales*: Se comprueban las tensiones de Von Mises en todas las placas locales en las que tanto el perfil como los rigidizadores dividen a la placa de anclaje propiamente dicha. Los esfuerzos en cada una de las subplacas se obtienen a partir de las tensiones de contacto con el hormigón y los axiles de los pernos. El modelo generado se resuelve por diferencias finitas.

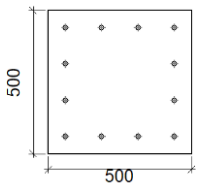
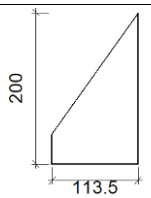
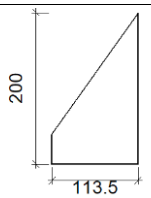
1.1.4. Memoria de cálculo

1.1.4.1. Tipo 1

a) Detalle
b)



b) Descripción de los componentes de la unión

Elementos complementarios									
Pieza	Geometría				Agujeros		Acero		
	Esquema	Ancho (mm)	Altura (mm)	Espesor (mm)	Cantidad	Diámetro (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Placa base		500	500	19	12	19.1	A36	2548.4	4077.5
Rigidizador		113.5	200	15.9	-	-	A36	2548.4	4077.5
Rigidizador		113.5	200	12.7	-	-	A36	2548.4	4077.5

c) Comprobación

1) Placa de anclaje

Referencia:		
Comprobación	Valores	Estado
Separación mínima entre pernos: *1.5 diámetros*	Mínimo: 28 mm Calculado: 127 mm	Cumple
Separación mínima pernos-perfil: *1.5 diámetros*	Mínimo: 28 mm Calculado: 56 mm	Cumple
Separación mínima pernos-borde: *2 diámetros*	Mínimo: 38 mm Calculado: 60 mm	Cumple
Esbeltez de rigidizadores:	Máximo: 50	
- Paralelos a X:	Calculado: 25.1	Cumple
- Paralelos a Y:	Calculado: 31.4	Cumple
Longitud mínima del perno: *Se calcula la longitud de anclaje necesaria por adherencia.*	Mínimo: 52 cm Calculado: 140 cm	Cumple
Anclaje perno en hormigón:		
- Tracción:	Máximo: 14.034 t Calculado: 9.023 t	Cumple
- Cortante:	Máximo: 9.824 t Calculado: 1.218 t	Cumple
- Tracción + Cortante:	Máximo: 14.034 t Calculado: 10.763 t	Cumple
Tracción en vástago de pernos:	Máximo: 15.819 t Calculado: 9.023 t	Cumple
Tensión de Von Mises en vástago de pernos:	Máximo: 5550.46 kp/cm² Calculado: 3217.63 kp/cm²	Cumple
Aplastamiento perno en placa: *Límite del cortante en un perno actuando contra la placa*	Máximo: 20.754 t Calculado: 1.218 t	Cumple
Tensión de Von Mises en secciones globales:	Máximo: 2548.42 kp/cm²	
- Derecha:	Calculado: 1405.97 kp/cm²	Cumple
- Izquierda:	Calculado: 1527.06 kp/cm²	Cumple
- Arriba:	Calculado: 1213.1 kp/cm²	Cumple
- Abajo:	Calculado: 1350.81 kp/cm²	Cumple
Flecha global equivalente: *Limitación de la deformabilidad de los vuelos*	Mínimo: 250	
- Derecha:	Calculado: 11598.1	Cumple
- Izquierda:	Calculado: 10699	Cumple
- Arriba:	Calculado: 13392	Cumple
- Abajo:	Calculado: 10847.7	Cumple
Tensión de Von Mises local: *Tensión por tracción de pernos sobre placas en voladizo*	Máximo: 2548.42 kp/cm² Calculado: 0 kp/cm²	Cumple
Se cumplen todas las comprobaciones		
Información adicional:		
- Relación rotura pésima sección de hormigón: 0.216		

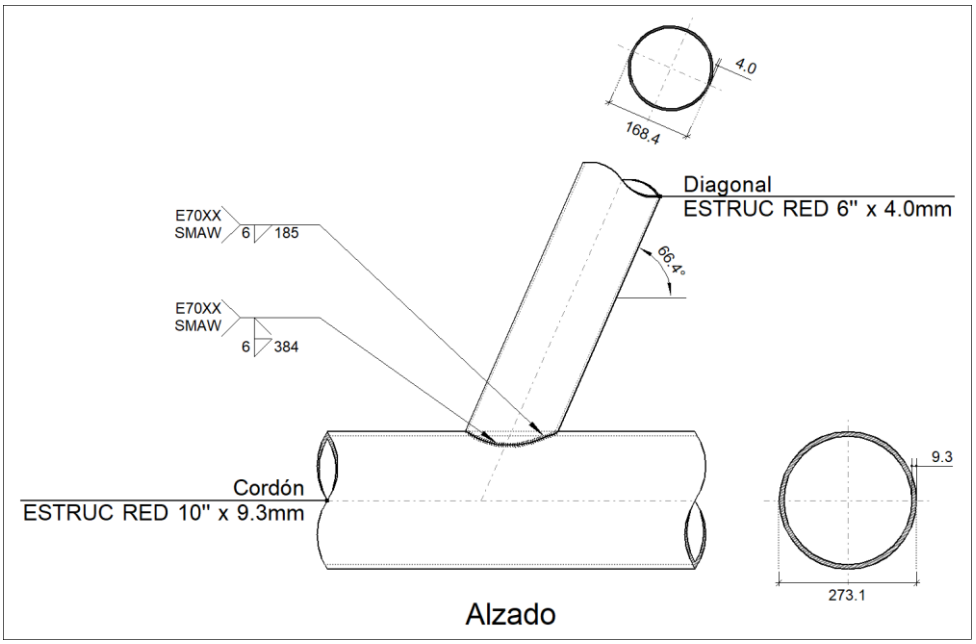
d) Cómputo

Elementos de tornillería no normalizados		
Tipo	Cantidad	Descripción
Tuercas	12	T19.1
Arandelas	12	A19.1

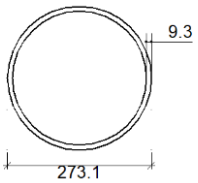
Placas de anclaje				
Material	Elementos	Cantidad	Dimensiones (mm)	Peso (kg)
A36	Placa base	1	500x500x19	37.29
	Rigidizadores no pasantes	2	113/0x200/40x12.7	2.71
		2	113/0x200/40x15.9	3.39
			Total	43.40
A-325 (liso)	Pernos de anclaje	12	Ø 19.1 - L = 1458 + 218	44.99
			Total	44.99

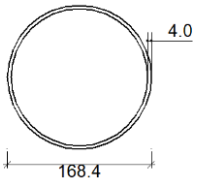
Tipo 2

a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Cordón	ESTRUC RED 10'' x 9.3mm		273.1	9.3	A572 50ksi	3516.8	4587.2

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Diagonal	ESTRUC RED 6'' x 4.0mm		168.4	4	A572 50ksi	3516.8	4587.2

c) Comprobación

1) Cordón ESTRUC RED 10'' x 9.3mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	kp/cm²	3516.8	--	3669.7
D/t	--	29.37	10.00	50.00
Espesor	mm	9.3	2.5	25.0

2) Diagonal ESTRUC RED 6'' x 4.0mm

Comprobaciones geométricas						
Comprobación	Unidades	Calculado	Límites		Estado	Recomendación
			Mínimo	Máximo		
F_y / F_u	--	0.77	--	0.80	Cumple	--
Límite elástico	kp/cm²	3516.8	--	3669.7	Cumple	--
D_b/D	--	0.62	0.20	1.00	Cumple	--
Espesor	mm	4.0	2.5	25.0	Cumple	--
Ángulo	grados	66.35	30.00	--	Cumple	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	2.741	45.493	6.03
Punzonamiento por esfuerzo cortante	t	2.741	112.602	2.43
Interacción axil y momentos	--	--	--	6.81

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	384	6	4
Soldadura de filete	En ángulo	SMAW	40	185	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

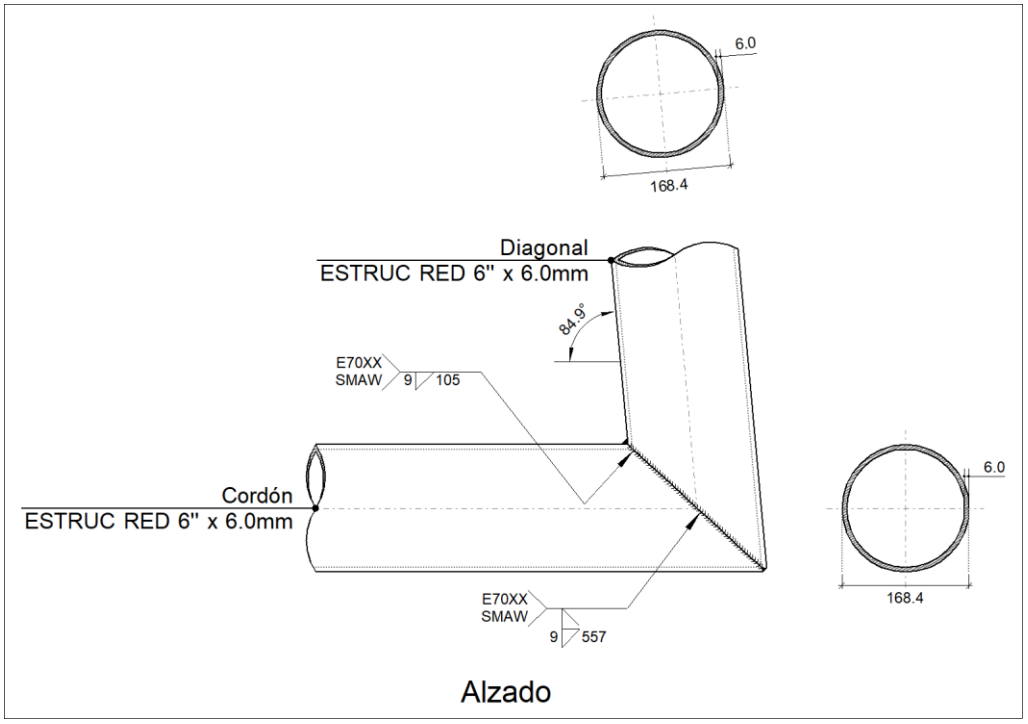
Comprobación de resistencia														
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia		
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura	
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.													
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.													

d) Cómputo

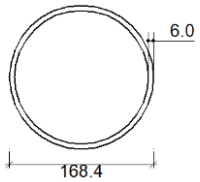
Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	185
		Combinada a tope en bisel simple y en ángulo	6	384

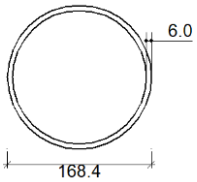
Tipo 3

a) Detalle



c) Descripción de los componentes de la unión

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Cordón	ESTRUC RED 6'' x 6.0mm		168.4	6	A572 50ksi	3516.8	4587.2

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Diagonal	ESTRUC RED 6'' x 6.0mm		168.4	6	A572 50ksi	3516.8	4587.2

c) Comprobación

1) Cordón ESTRUC RED 6'' x 6.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	kp/cm²	3516.8	--	3618.8
D/t	--	28.07	8.00	34.06

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	0.227	19.378	1.17
Interacción axil y momentos	--	0.06	0.25	22.00
Cortante de la sección transversal	t	0.037	14.534	0.25

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en 'J' simple y en ángulo	SMAW	40	557	9	6
Soldadura de filete	En ángulo	SMAW	40	105	9	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

2) Diagonal ESTRUC RED 6'' x 6.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	kp/cm²	3516.8	--	3618.8
D_b/t_b	--	28.07	8.00	34.06
Ángulo	grados	84.88	30.00	180.00

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	0.037	19.378	0.19
Interacción axil y momentos	--	0.01	0.25	4.36
Cortante de la sección transversal	t	0.226	14.534	1.55

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en 'J' simple y en ángulo	SMAW	40	557	9	6
Soldadura de filete	En ángulo	SMAW	40	105	9	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

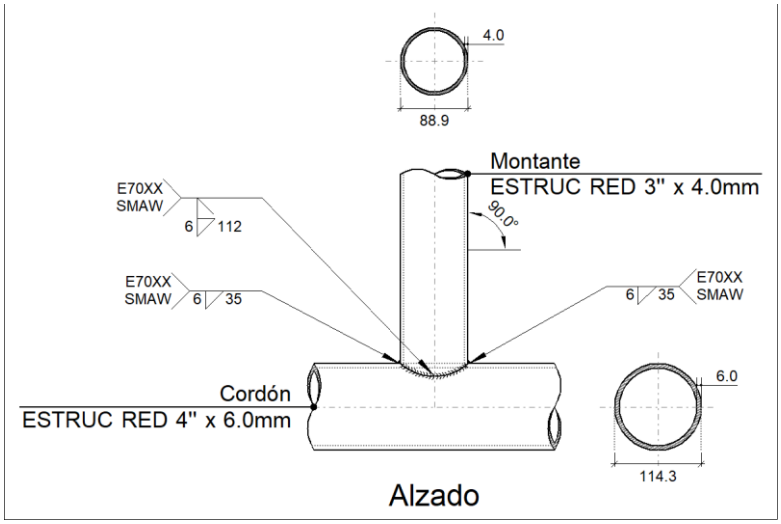
Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

d) Cómputo

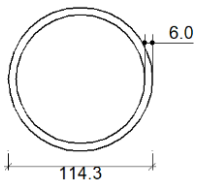
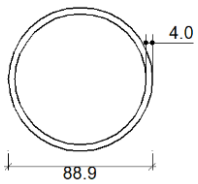
Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	9	105
		Combinada a tope en 'V' simple y en ángulo	9	557

Tipo 4

a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Cordón	ESTRUC RED 4'' x 6.0mm		114.3	6	A572 50ksi	3516.8	4587.2
Diagonal	ESTRUC RED 3'' x 4.0mm		88.9	4	A572 50ksi	3516.8	4587.2

c) Comprobación

1) Cordón ESTRUC RED 4'' x 6.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	kp/cm²	3516.8	--	3669.7
D/t	--	19.05	10.00	50.00
Espesor	mm	6.0	2.5	25.0

2) Montante ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
Límite elástico	kp/cm²	3516.8	--	3669.7
D_b/t_b	--	22.23	--	28.99
D_b/D	--	0.78	0.20	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	90.00	30.00	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	0.143	22.183	0.64
Punzonamiento por esfuerzo cortante	t	0.137	33.591	0.41

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	112	6	4
Soldadura de filete	En ángulo	SMAW	40	35	6	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	112	6	4
Soldadura de filete	En ángulo	SMAW	40	35	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

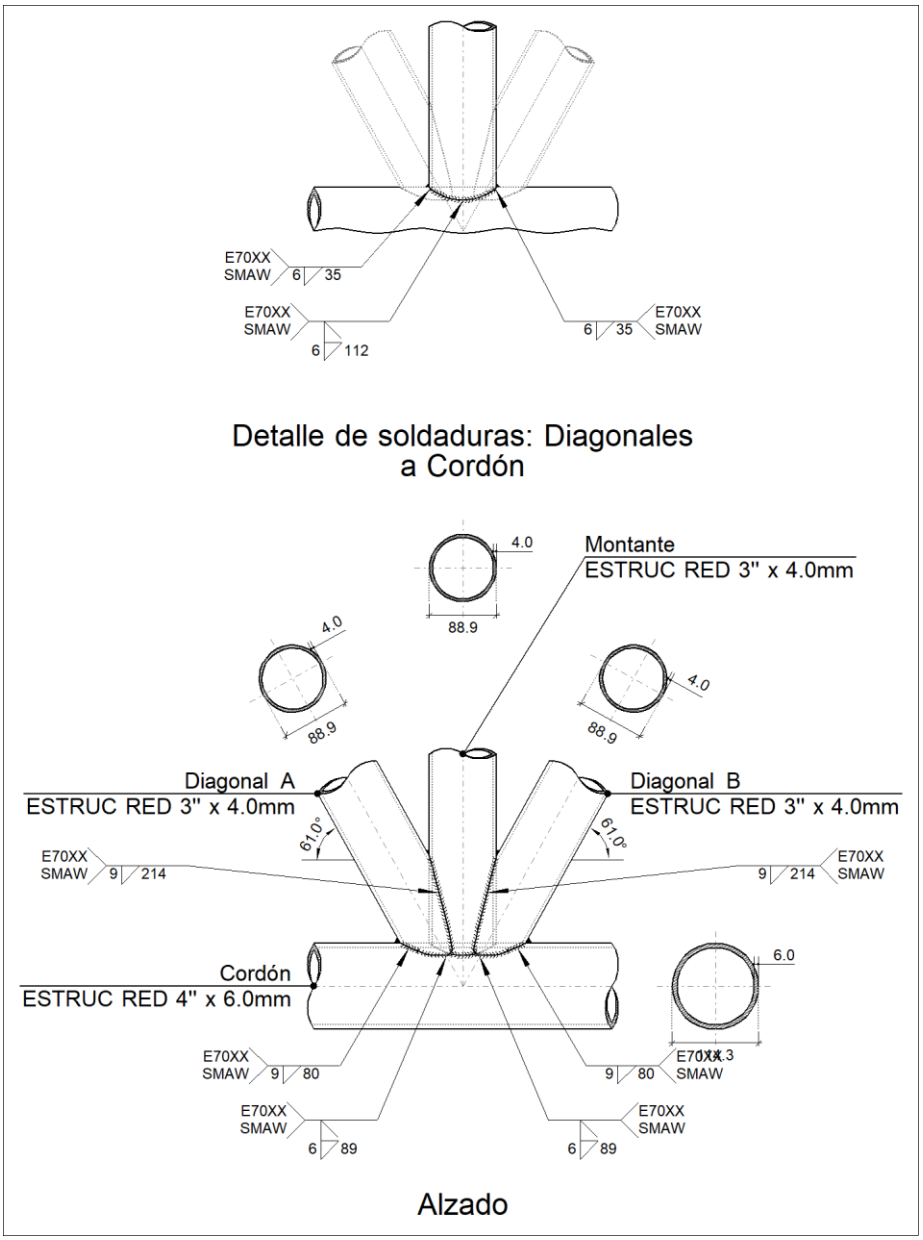
Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

d) Cómputo

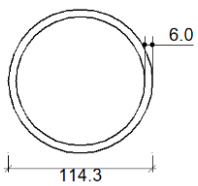
Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	71
		Combinada a tope en bisel simple y en ángulo	6	224

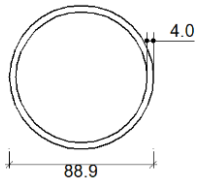
Tipo 5

a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Cordón	ESTRUC RED 4'' x 6.0mm		114.3	6	A572 50ksi	3516.8	4587.2

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Diagonal	ESTRUC RED 3'' x 4.0mm		88.9	4	A572 50ksi	3516.8	4587.2

c) Comprobación

1) Cordón ESTRUC RED 4'' x 6.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	kp/cm²	3516.8	--	3669.7
D/t	--	19.05	10.00	50.00
Espesor	mm	6.0	2.5	25.0

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	1.435	22.924	6.26
Punzonamiento por esfuerzo cortante	t	1.435	51.278	2.80
Interacción axil y momentos	--	--	--	9.90
Cortante en la cara del cordón	t	0.861	43.061	2.00

2) Diagonal A ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas						
Comprobación	Unidades	Calculado	Límites		Estado	Recomendación
			Mínimo	Máximo		
F_y / F_u	--	0.77	--	0.80	Cumple	--
Límite elástico	kp/cm²	3516.8	--	3669.7	Cumple	--
D_i/t_i	--	22.23	--	28.99	Cumple	--
D_i/D	--	0.78	0.40	1.00	Cumple	--
Espesor	mm	4.0	2.5	25.0	Cumple	--
Solapamiento	%	62.57	25.00	100.00	Cumple	--
t_i/t_j	--	1.00	--	1.00	Cumple	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	0.766	11.388	6.73
Punzonamiento por esfuerzo cortante	t	0.766	25.514	3.00
Plastificación local de la diagonal solapante	t	0.887	32.460	2.73
Interacción axil y momentos	--	--	--	10.78

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	89	6	4
Soldadura de filete	En ángulo	SMAW	40	214	9	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	109	6	4
Soldadura de filete	En ángulo	SMAW	40	80	9	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

3) Montante ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas						
Comprobación	Unidades	Calculado	Límites		Estado	Recomendación
			Mínimo	Máximo		
F_y / F_u	--	0.77	--	0.80	Cumple	--
Límite elástico	kp/cm²	3516.8	--	3669.7	Cumple	--
D_b/t_b	--	22.23	--	50.00	Cumple	--
D_b/D	--	0.78	0.40	1.00	Cumple	--
Espesor	mm	4.0	2.5	25.0	Cumple	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	0.053	0.794	6.73
Punzonamiento por esfuerzo cortante	t	0.053	1.780	3.00

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	112	6	4
Soldadura de filete	En ángulo	SMAW	40	35	6	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	112	6	4
Soldadura de filete	En ángulo	SMAW	40	35	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

4) Diagonal B ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas						
Comprobación	Unidades	Calculado	Límites		Estado	Recomendación
			Mínimo	Máximo		
F_y / F_u	--	0.77	--	0.80	Cumple	--
Límite elástico	kp/cm²	3516.8	--	3669.7	Cumple	--
D_i/t_i	--	22.23	--	28.99	Cumple	--
D_i/D	--	0.78	0.40	1.00	Cumple	--
Espesor	mm	4.0	2.5	25.0	Cumple	--
Solapamiento	%	62.57	25.00	100.00	Cumple	--
t_i/t_j	--	1.00	--	1.00	Cumple	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	0.933	13.872	6.73
Punzonamiento por esfuerzo cortante	t	0.933	31.078	3.00
Plastificación local de la diagonal solapante	t	0.943	32.460	2.91
Interacción axil y momentos	--	--	--	10.78

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

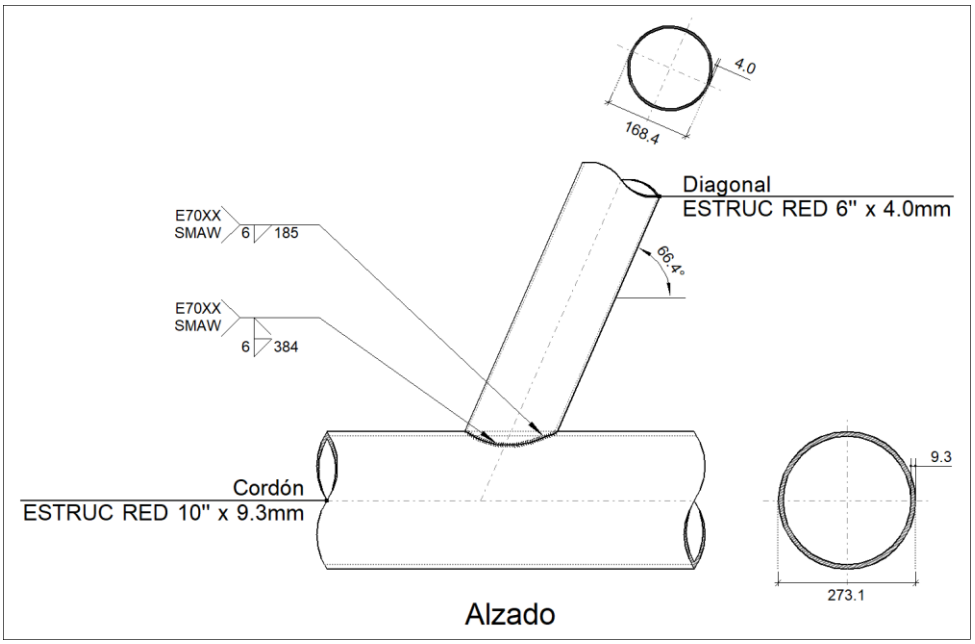
Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	109	6	4
Soldadura de filete	En ángulo	SMAW	40	214	9	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	89	6	4
Soldadura de filete	En ángulo	SMAW	40	80	9	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

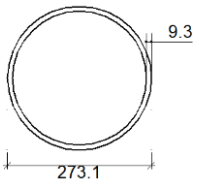
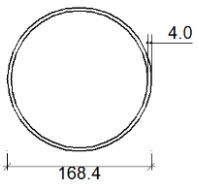
Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

Tipo 6

a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Cordón	ESTRUC RED 10'' x 9.3mm		273.1	9.3	A572 50ksi	3516.8	4587.2
Diagonal	ESTRUC RED 6'' x 4.0mm		168.4	4	A572 50ksi	3516.8	4587.2

) Comprobación

1) Cordón ESTRUC RED 10'' x 9.3mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	kp/cm²	3516.8	--	3669.7
D/t	--	29.37	10.00	50.00
Espesor	mm	9.3	2.5	25.0

2) Diagonal ESTRUC RED 6'' x 4.0mm

Comprobaciones geométricas						
Comprobación	Unidades	Calculado	Límites		Estado	Recomendación
			Mínimo	Máximo		
F_y / F_u	--	0.77	--	0.80	Cumple	--
Límite elástico	kp/cm²	3516.8	--	3669.7	Cumple	--
D_b/D	--	0.62	0.20	1.00	Cumple	--
Espesor	mm	4.0	2.5	25.0	Cumple	--
Ángulo	grados	66.35	30.00	--	Cumple	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	3.767	46.192	8.15
Punzonamiento por esfuerzo cortante	t	3.767	112.602	3.35
Interacción axil y momentos	--	--	--	25.46

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas					
Descripción	Tipo	P.S.	Longitud efectiva	Lado	Profundidad del

			l_{min} (mm)	l (mm)	w (mm)	surco (mm)
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	384	6	4
Soldadura de filete	En ángulo	SMAW	40	185	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

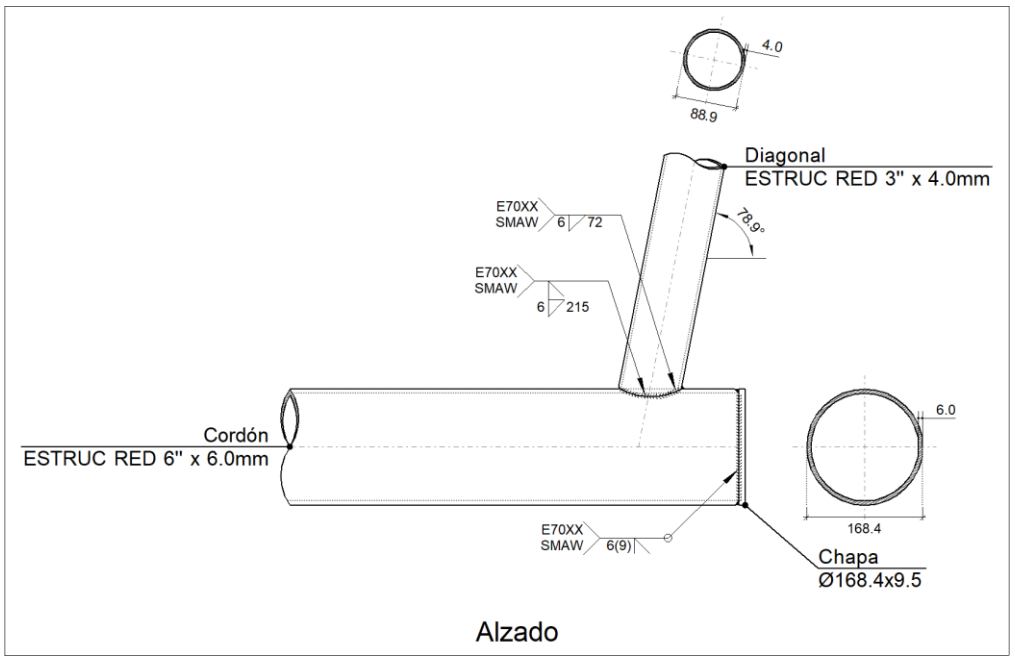
Comprobación de resistencia														
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia		
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura	
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.													
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.													

d) Cómputo

Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	185
		Combinada a tope en bisel simple y en ángulo	6	384

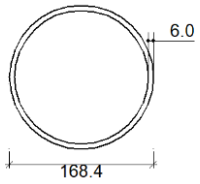
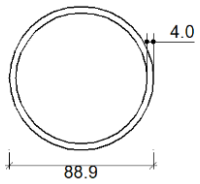
Tipo 7

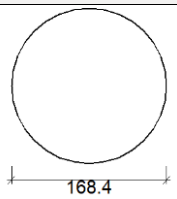
a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)

Perfiles							
Pieza	Descripción	Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Cordón	ESTRUC RED 6'' x 6.0mm		168.4	6	A572 50ksi	3516.8	4587.2
Diagonal	ESTRUC RED 3'' x 4.0mm		88.9	4	A572 50ksi	3516.8	4587.2

Elementos complementarios							
Pieza	Geometría				Acero		
	Esquema	Ancho (mm)	Altura (mm)	Espesor (mm)	Tipo	F_y (kp/cm²)	F_u (kp/cm²)
Chapa		168.4	168.4	9.5	A572 50ksi	3516.8	4587.2

c) Comprobación

1) Cordón ESTRUC RED 6'' x 6.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	kp/cm²	3516.8	--	3669.7
D/t	--	28.07	10.00	50.00
Espesor	mm	6.0	2.5	25.0

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas					
Descripción	Tipo	P.S.	Longitud efectiva		Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	
Soldadura a tope en bisel simple	A tope en bisel simple	SMAW	40	491	6

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.

Comprobación de resistencia														
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura

Comprobación de resistencia														
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura
Soldadura a tope en bisel simple	La soldadura en bisel genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												

2) Diagonal ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	kp/cm²	3516.8	--	3669.7
D_b/t_b	--	22.23	--	28.99
D_b/D	--	0.53	0.20	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	78.91	30.00	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	t	0.788	14.517	5.43
Punzonamiento por esfuerzo cortante	t	0.788	34.556	2.28
Interacción axil y momentos	--	--	--	18.63

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	215	6	4
Soldadura de filete	En ángulo	SMAW	40	72	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia														
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕ Material base	ϕ Soldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

d) Cómputo

Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	72
		A tope en bisel simple	9	491
		Combinada a tope en bisel simple y en ángulo	6	215

Chapas				
Material	Tipo	Cantidad	Dimensiones (mm)	Peso (kg)
A572 50ksi	Chapas	1	Ø168.4x9.5	1.67
			Total	1.67

Cómputo

Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	583
			9	693
		A tope en bisel simple	9	491
		Combinada a tope en bisel simple y en ángulo	6	1826
		Combinada a tope en 'V' simple y en ángulo	9	557

Chapas				
Material	Tipo	Cantidad	Dimensiones (mm)	Peso (kg)
A572 50ksi	Chapas	1	Ø168.4x9.5	1.67
			Total	1.67

Elementos de tornillería no normalizados		
Tipo	Cantidad	Descripción
Tuercas	192	T19.1
Arandelas	192	A19.1

Placas de anclaje				
Material	Elementos	Cantidad	Dimensiones (mm)	Peso (kg)
A36	Placa base	16	500x500x19	596.60
	Rigidizadores no pasantes	32	113/0x200/40x12.7	43.43
		32	113/0x200/40x15.9	54.29
			Total	694.32
A-325 (liso)	Pernos de anclaje	192	Ø 19.1 - L = 1458 + 218	719.85
			Total	719.85

ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

UNIONES

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

DISEÑO CIMENTACIÓN (ZAPATAS Y VIGAS)

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

1. LISTADO DE ELEMENTOS DE FUNDACIÓN

1.1. Descripción

Referencias	Geometría	Armado
A1, A4, B1, B4	Zapata rectangular centrada Ancho zapata X: 370 cm Ancho zapata Y: 260 cm Altura: 65 cm No se considera la interacción terreno-estructura	Sup X: 17Ø5/8"c/15 Sup Y: 24Ø5/8"c/15 Inf X: 17Ø5/8"c/15 Inf Y: 24Ø5/8"c/15
A2, A3, B2, B3	Zapata rectangular centrada Ancho zapata X: 370 cm Ancho zapata Y: 260 cm Altura: 65 cm No se considera la interacción terreno-estructura	Sup X: 17Ø5/8"c/15 Sup Y: 24Ø5/8"c/15 Inf X: 17Ø5/8"c/15 Inf Y: 24Ø5/8"c/15

1.2. Comprobación

Referencia: A1
Dimensiones: 370 x 260 x 65
Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15

Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.153036 MPa Calculado: 0.0868185 MPa	Cumple
- Tensión media en situaciones accidentales sísmicas:	Máximo: 0.204048 MPa Calculado: 0.095157 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.191295 MPa Calculado: 0.173637 MPa	Cumple
- Tensión máxima en situaciones accidentales sísmicas:	Máximo: 0.25506 MPa Calculado: 0.190314 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 31.9 %	Cumple
- En dirección Y:	Reserva seguridad: 191728.9 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 367.73 kN·m	Cumple
- En dirección Y:	Momento: 106.97 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 345.31 kN	Cumple
- En dirección Y:	Cortante: 50.52 kN	Cumple
Compresión oblicua en la zapata: *Criterio de CYPE*	Máximo: 8240.4 kN/m²	
- Situaciones persistentes:	Calculado: 139.3 kN/m²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 86.8 kN/m²	Cumple

Referencia: A1 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 65 cm	Cumple
Espacio para anclar arranques en fundación: - A1:	Mínimo: 20 cm Calculado: 57 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.002	Cumple
- Armado superior dirección X:	Calculado: 0.002	Cumple
- Armado inferior dirección Y:	Calculado: 0.002	Cumple
- Armado superior dirección Y:	Calculado: 0.002	Cumple
Diámetro mínimo de las barras: *Criterio de CYPE*	Mínimo: 10 mm	
- Parrilla inferior:	Calculado: 15.875 mm	Cumple
- Parrilla superior:	Calculado: 15.875 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*		
- Armado inf. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado inf. dirección X hacia izq:	Mínimo: 35 cm Calculado: 119 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple

Referencia: A1 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Armado sup. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 25 cm	
- Armado inf. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 81.3975 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 14.5953 MPa	Cumple
- Armado superior dirección X:	Calculado: 17.9778 MPa	Cumple
- Armado superior dirección Y:	Calculado: 0 MPa	Cumple
Se cumplen todas las comprobaciones		
Información adicional:		
- Relación rotura pésima (En dirección X): 0.60		
- Relación rotura pésima (En dirección Y): 0.13		
- Cortante de agotamiento (En dirección X): 1127.66 kN		
- Cortante de agotamiento (En dirección Y): 1604.72 kN		

Referencia: A2 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.153036 MPa Calculado: 0.0781857 MPa	Cumple
- Tensión media en situaciones accidentales sísmicas:	Máximo: 0.204048 MPa Calculado: 0.0899577 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.191295 MPa Calculado: 0.156371 MPa	Cumple
- Tensión máxima en situaciones accidentales sísmicas:	Máximo: 0.25506 MPa Calculado: 0.179915 MPa	Cumple

Referencia: A2 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 42.2 %	Cumple
- En dirección Y:	Reserva seguridad: 205183.2 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 332.98 kN·m	Cumple
- En dirección Y:	Momento: 92.62 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 305.58 kN	Cumple
- En dirección Y:	Cortante: 53.66 kN	Cumple
Compresión oblicua en la zapata: *Criterio de CYPE*	Máximo: 8240.4 kN/m²	
- Situaciones persistentes:	Calculado: 147.2 kN/m²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 77.7 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 65 cm	Cumple
Espacio para anclar arranques en fundación: - A2:	Mínimo: 20 cm Calculado: 57 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.002	Cumple
- Armado superior dirección X:	Calculado: 0.002	Cumple
- Armado inferior dirección Y:	Calculado: 0.002	Cumple
- Armado superior dirección Y:	Calculado: 0.002	Cumple
Diámetro mínimo de las barras: *Criterio de CYPE*	Mínimo: 10 mm	
- Parrilla inferior:	Calculado: 15.875 mm	Cumple
- Parrilla superior:	Calculado: 15.875 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	

Referencia: A2
Dimensiones: 370 x 260 x 65
Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15

Comprobación	Valores	Estado
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*		
- Armado inf. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado inf. dirección X hacia izq:	Mínimo: 31 cm Calculado: 119 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 55 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 25 cm	
- Armado inf. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 77.6972 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 13.3759 MPa	Cumple
- Armado superior dirección X:	Calculado: 17.7502 MPa	Cumple
- Armado superior dirección Y:	Calculado: 0 MPa	Cumple
Se cumplen todas las comprobaciones		

Información adicional:
- Relación rotura pésima (En dirección X): 0.54
- Relación rotura pésima (En dirección Y): 0.11

Referencia: A2 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Cortante de agotamiento (En dirección X): 1127.66 kN - Cortante de agotamiento (En dirección Y): 1604.72 kN		
Referencia: A3 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.153036 MPa Calculado: 0.0764199 MPa	Cumple
- Tensión media en situaciones accidentales sísmicas:	Máximo: 0.204048 MPa Calculado: 0.0864261 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.191295 MPa Calculado: 0.152938 MPa	Cumple
- Tensión máxima en situaciones accidentales sísmicas:	Máximo: 0.25506 MPa Calculado: 0.17295 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 43.8 %	Cumple
- En dirección Y:	Reserva seguridad: 203827.8 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 325.86 kN·m	Cumple
- En dirección Y:	Momento: 93.51 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 298.42 kN	Cumple
- En dirección Y:	Cortante: 53.17 kN	Cumple
Compresión oblicua en la zapata: *Criterio de CYPE*	Máximo: 8240.4 kN/m²	
- Situaciones persistentes:	Calculado: 146.6 kN/m²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 77.6 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 65 cm	Cumple
Espacio para anclar arranques en fundación: - A3:	Mínimo: 20 cm Calculado: 57 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.002	Cumple
- Armado superior dirección X:	Calculado: 0.002	Cumple
- Armado inferior dirección Y:	Calculado: 0.002	Cumple

Referencia: A3 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Armado superior dirección Y:	Calculado: 0.002	Cumple
Diámetro mínimo de las barras: *Criterio de CYPE*	Mínimo: 10 mm	
- Parrilla inferior:	Calculado: 15.875 mm	Cumple
- Parrilla superior:	Calculado: 15.875 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*		
- Armado inf. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado inf. dirección X hacia izq:	Mínimo: 31 cm Calculado: 119 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 25 cm	
- Armado inf. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 55 cm	Cumple

Referencia: A3
Dimensiones: 370 x 260 x 65
Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15

Comprobación	Valores	Estado
- Armado sup. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 76.8211 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 13.3073 MPa	Cumple
- Armado superior dirección X:	Calculado: 17.4961 MPa	Cumple
- Armado superior dirección Y:	Calculado: 0 MPa	Cumple
Se cumplen todas las comprobaciones		

Información adicional:
- Relación rotura pésima (En dirección X): 0.53
- Relación rotura pésima (En dirección Y): 0.11
- Cortante de agotamiento (En dirección X): 1127.66 kN
- Cortante de agotamiento (En dirección Y): 1604.72 kN

Referencia: A4
Dimensiones: 370 x 260 x 65
Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15

Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.153036 MPa Calculado: 0.0897615 MPa	Cumple
- Tensión media en situaciones accidentales sísmicas:	Máximo: 0.204048 MPa Calculado: 0.102024 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.191295 MPa Calculado: 0.179621 MPa	Cumple
- Tensión máxima en situaciones accidentales sísmicas:	Máximo: 0.25506 MPa Calculado: 0.204048 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 30.3 %	Cumple
- En dirección Y:	Reserva seguridad: 195626.0 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 377.94 kN·m	Cumple
- En dirección Y:	Momento: 105.39 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 356.40 kN	Cumple
- En dirección Y:	Cortante: 50.62 kN	Cumple

Referencia: A4 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Compresión oblicua en la zapata: *Criterio de CYPE*	Máximo: 8240.4 kN/m²	
- Situaciones persistentes:	Calculado: 139.9 kN/m²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 86.8 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 65 cm	Cumple
Espacio para anclar arranques en fundación: - A4:	Mínimo: 20 cm Calculado: 57 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.002	Cumple
- Armado superior dirección X:	Calculado: 0.002	Cumple
- Armado inferior dirección Y:	Calculado: 0.002	Cumple
- Armado superior dirección Y:	Calculado: 0.002	Cumple
Diámetro mínimo de las barras: *Criterio de CYPE*	Mínimo: 10 mm	
- Parrilla inferior:	Calculado: 15.875 mm	Cumple
- Parrilla superior:	Calculado: 15.875 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*		
- Armado inf. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado inf. dirección X hacia izq:	Mínimo: 36 cm Calculado: 119 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple

Referencia: A4
Dimensiones: 370 x 260 x 65
Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15

Comprobación	Valores	Estado
- Armado inf. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 55 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 25 cm	
- Armado inf. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 82.5168 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 14.406 MPa	Cumple
- Armado superior dirección X:	Calculado: 18.0975 MPa	Cumple
- Armado superior dirección Y:	Calculado: 0 MPa	Cumple

Se cumplen todas las comprobaciones

Información adicional:
- Relación rotura pésima (En dirección X): 0.62
- Relación rotura pésima (En dirección Y): 0.12
- Cortante de agotamiento (En dirección X): 1127.66 kN
- Cortante de agotamiento (En dirección Y): 1604.72 kN

Referencia: B1
Dimensiones: 370 x 260 x 65
Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15

Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.153036 MPa Calculado: 0.0884862 MPa	Cumple
- Tensión media en situaciones accidentales sísmicas:	Máximo: 0.204048 MPa Calculado: 0.0904482 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.191295 MPa Calculado: 0.176972 MPa	Cumple

Referencia: B1 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Tensión máxima en situaciones accidentales sísmicas:	Máximo: 0.25506 MPa Calculado: 0.180995 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 30.9 %	Cumple
- En dirección Y:	Reserva seguridad: 180602.3 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 371.78 kN·m	Cumple
- En dirección Y:	Momento: 105.79 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 349.92 kN	Cumple
- En dirección Y:	Cortante: 50.42 kN	Cumple
Compresión oblicua en la zapata: *Criterio de CYPE*	Máximo: 8240.4 kN/m²	
- Situaciones persistentes:	Calculado: 139.1 kN/m²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 86.8 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 65 cm	Cumple
Espacio para anclar arranques en fundación: - B1:	Mínimo: 20 cm Calculado: 57 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.002	Cumple
- Armado superior dirección X:	Calculado: 0.002	Cumple
- Armado inferior dirección Y:	Calculado: 0.002	Cumple
- Armado superior dirección Y:	Calculado: 0.002	Cumple
Diámetro mínimo de las barras: *Criterio de CYPE*	Mínimo: 10 mm	
- Parrilla inferior:	Calculado: 15.875 mm	Cumple
- Parrilla superior:	Calculado: 15.875 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple

Referencia: B1
Dimensiones: 370 x 260 x 65
Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15

Comprobación	Valores	Estado
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*		
- Armado inf. dirección X hacia der:	Mínimo: 35 cm Calculado: 119 cm	Cumple
- Armado inf. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 25 cm	
- Armado inf. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 81.9635 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 14.3648 MPa	Cumple
- Armado superior dirección X:	Calculado: 17.4893 MPa	Cumple
- Armado superior dirección Y:	Calculado: 0 MPa	Cumple

Se cumplen todas las comprobaciones

Información adicional:

Referencia: B1 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Relación rotura pésima (En dirección X): 0.61 - Relación rotura pésima (En dirección Y): 0.12 - Cortante de agotamiento (En dirección X): 1127.66 kN - Cortante de agotamiento (En dirección Y): 1604.72 kN		

Referencia: B2 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.153036 MPa Calculado: 0.0782838 MPa	Cumple
- Tensión media en situaciones accidentales sísmicas:	Máximo: 0.204048 MPa Calculado: 0.0880938 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.191295 MPa Calculado: 0.156666 MPa	Cumple
- Tensión máxima en situaciones accidentales sísmicas:	Máximo: 0.25506 MPa Calculado: 0.176188 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 41.8 %	Cumple
- En dirección Y:	Reserva seguridad: 190704.4 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 334.19 kN·m	Cumple
- En dirección Y:	Momento: 93.43 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 306.95 kN	Cumple
- En dirección Y:	Cortante: 53.07 kN	Cumple
Compresión oblicua en la zapata: *Criterio de CYPE*	Máximo: 8240.4 kN/m²	
- Situaciones persistentes:	Calculado: 147.1 kN/m²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 76.9 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 65 cm	Cumple
Espacio para anclar arranques en fundación: - B2:	Mínimo: 20 cm Calculado: 57 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.002	Cumple
- Armado superior dirección X:	Calculado: 0.002	Cumple

Referencia: B2 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Armado inferior dirección Y:	Calculado: 0.002	Cumple
- Armado superior dirección Y:	Calculado: 0.002	Cumple
Diámetro mínimo de las barras: *Criterio de CYPE*	Mínimo: 10 mm	
- Parrilla inferior:	Calculado: 15.875 mm	Cumple
- Parrilla superior:	Calculado: 15.875 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*		
- Armado inf. dirección X hacia der:	Mínimo: 31 cm Calculado: 119 cm	Cumple
- Armado inf. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 55 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 25 cm	
- Armado inf. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 55 cm	Cumple

Referencia: B2 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Armado inf. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 77.8894 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 13.4014 MPa	Cumple
- Armado superior dirección X:	Calculado: 17.811 MPa	Cumple
- Armado superior dirección Y:	Calculado: 0 MPa	Cumple
Se cumplen todas las comprobaciones		
Información adicional: - Relación rotura pésima (En dirección X): 0.55 - Relación rotura pésima (En dirección Y): 0.11 - Cortante de agotamiento (En dirección X): 1127.66 kN - Cortante de agotamiento (En dirección Y): 1604.72 kN		
Referencia: B3 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.153036 MPa Calculado: 0.0782838 MPa	Cumple
- Tensión media en situaciones accidentales sísmicas:	Máximo: 0.204048 MPa Calculado: 0.08829 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.191295 MPa Calculado: 0.156568 MPa	Cumple
- Tensión máxima en situaciones accidentales sísmicas:	Máximo: 0.25506 MPa Calculado: 0.17658 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 41.3 %	Cumple
- En dirección Y:	Reserva seguridad: 189346.5 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 333.60 kN·m	Cumple
- En dirección Y:	Momento: 94.71 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 306.66 kN	Cumple

Referencia: B3 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- En dirección Y:	Cortante: 53.56 kN	Cumple
Compresión oblicua en la zapata: *Criterio de CYPE*	Máximo: 8240.4 kN/m²	
- Situaciones persistentes:	Calculado: 145.5 kN/m²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 76.4 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 65 cm	Cumple
Espacio para anclar arranques en fundación: - B3:	Mínimo: 20 cm Calculado: 57 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.002	Cumple
- Armado superior dirección X:	Calculado: 0.002	Cumple
- Armado inferior dirección Y:	Calculado: 0.002	Cumple
- Armado superior dirección Y:	Calculado: 0.002	Cumple
Diámetro mínimo de las barras: *Criterio de CYPE*	Mínimo: 10 mm	
- Parrilla inferior:	Calculado: 15.875 mm	Cumple
- Parrilla superior:	Calculado: 15.875 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*		
- Armado inf. dirección X hacia der:	Mínimo: 31 cm Calculado: 119 cm	Cumple
- Armado inf. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple

Referencia: B3 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Armado inf. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 25 cm	
- Armado inf. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 77.5363 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 13.7585 MPa	Cumple
- Armado superior dirección X:	Calculado: 17.7708 MPa	Cumple
- Armado superior dirección Y:	Calculado: 0 MPa	Cumple
Se cumplen todas las comprobaciones		
Información adicional: - Relación rotura pésima (En dirección X): 0.54 - Relación rotura pésima (En dirección Y): 0.11 - Cortante de agotamiento (En dirección X): 1127.66 kN - Cortante de agotamiento (En dirección Y): 1604.72 kN		
Referencia: B4 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.153036 MPa Calculado: 0.0874071 MPa	Cumple
- Tensión media en situaciones accidentales sísmicas:	Máximo: 0.204048 MPa Calculado: 0.0975114 MPa	Cumple

Referencia: B4 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Tensión máxima en situaciones persistentes:	Máximo: 0.191295 MPa Calculado: 0.174912 MPa	Cumple
- Tensión máxima en situaciones accidentales sísmicas:	Máximo: 0.25506 MPa Calculado: 0.195023 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 32.0 %	Cumple
- En dirección Y:	Reserva seguridad: 182552.3 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 369.44 kN·m	Cumple
- En dirección Y:	Momento: 104.54 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 346.59 kN	Cumple
- En dirección Y:	Cortante: 50.33 kN	Cumple
Compresión oblicua en la zapata: *Criterio de CYPE*	Máximo: 8240.4 kN/m²	
- Situaciones persistentes:	Calculado: 140.5 kN/m²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 87 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 65 cm	Cumple
Espacio para anclar arranques en fundación: - B4:	Mínimo: 20 cm Calculado: 57 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.002	Cumple
- Armado superior dirección X:	Calculado: 0.002	Cumple
- Armado inferior dirección Y:	Calculado: 0.002	Cumple
- Armado superior dirección Y:	Calculado: 0.002	Cumple
Diámetro mínimo de las barras: *Criterio de CYPE*	Mínimo: 10 mm	
- Parrilla inferior:	Calculado: 15.875 mm	Cumple
- Parrilla superior:	Calculado: 15.875 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple

Referencia: B4 Dimensiones: 370 x 260 x 65 Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
- Armado superior dirección X:	Calculado: 15 cm	Cumple
- Armado superior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*		
- Armado inf. dirección X hacia der:	Mínimo: 35 cm Calculado: 119 cm	Cumple
- Armado inf. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección X hacia der:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección X hacia izq:	Mínimo: 30 cm Calculado: 119 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Mínimo: 30 cm Calculado: 92 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Mínimo: 30 cm Calculado: 55 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 25 cm	
- Armado inf. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia der:	Calculado: 55 cm	Cumple
- Armado sup. dirección X hacia izq:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia arriba:	Calculado: 55 cm	Cumple
- Armado sup. dirección Y hacia abajo:	Calculado: 55 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 81.7713 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 14.3383 MPa	Cumple
- Armado superior dirección X:	Calculado: 17.8591 MPa	Cumple
- Armado superior dirección Y:	Calculado: 0 MPa	Cumple

Referencia: B4		
Dimensiones: 370 x 260 x 65		
Armados: Xi:Ø5/8"c/15 Yi:Ø5/8"c/15 Xs:Ø5/8"c/15 Ys:Ø5/8"c/15		
Comprobación	Valores	Estado
Se cumplen todas las comprobaciones		
Información adicional:		
- Relación rotura pésima (En dirección X): 0.60		
- Relación rotura pésima (En dirección Y): 0.12		
- Cortante de agotamiento (En dirección X): 1127.66 kN		
- Cortante de agotamiento (En dirección Y): 1604.72 kN		

2. LISTADO DE VIGAS CANTILEVER

2.1. Descripción

Referencias	Tipo	Geometría	Armado
[A3 - A4]	VC.S-1.1	Ancho: 40.0 cm Altura: 50.0 cm	Superior: 4Ø5/8" Inferior: 4Ø5/8" Piel: 1x2Ø1/2" Estribos: 1xØ3/8"c/20
[A2 - A3]	VC.T-1.3	Ancho: 40.0 cm Altura: 50.0 cm	Superior: 4Ø5/8" Inferior: 3Ø5/8" Piel: 1x2Ø1/2" Estribos: 1xØ3/8"c/20
[A1 - A2]	VC.S-1.1	Ancho: 40.0 cm Altura: 50.0 cm	Superior: 4Ø5/8" Inferior: 4Ø5/8" Piel: 1x2Ø1/2" Estribos: 1xØ3/8"c/20
[B3 - B4]	VC.S-1.1	Ancho: 40.0 cm Altura: 50.0 cm	Superior: 4Ø5/8" Inferior: 4Ø5/8" Piel: 1x2Ø1/2" Estribos: 1xØ3/8"c/20
[B2 - B3]	VC.T-1.3	Ancho: 40.0 cm Altura: 50.0 cm	Superior: 4Ø5/8" Inferior: 3Ø5/8" Piel: 1x2Ø1/2" Estribos: 1xØ3/8"c/20
[B1 - B2]	VC.S-1.1	Ancho: 40.0 cm Altura: 50.0 cm	Superior: 4Ø5/8" Inferior: 4Ø5/8" Piel: 1x2Ø1/2" Estribos: 1xØ3/8"c/20

2.2. Comprobación

Referencia: VC.S-1.1 [A3 - A4] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 4Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
Anchura mínima de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 40 cm	Cumple
Canto mínimo de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 50 cm	Cumple

Referencia: VC.S-1.1 [A3 - A4] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 4Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 19 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 5.5 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Separación máxima estribos: *Norma NSR-10. Artículo C.11.4.5*	Máximo: 20.3 cm	
- Situaciones persistentes:	Calculado: 20 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 20 cm	Cumple
Recomendación para la separación máxima de estribos en vigas comprimidas por axiles en combinaciones sísmicas: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Máximo: 23.8 cm Calculado: 20 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08*	Máximo: 30 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 5.5 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Cuantía mínima para los estribos: *Norma NSR-10. Artículo C.11.4.6.3*	Mínimo: 3.39 cm²/m	
- Situaciones persistentes:	Calculado: 7.13 cm²/m	Cumple
- Situaciones accidentales sísmicas:	Calculado: 7.13 cm²/m	Cumple
Cuantía geométrica mínima armadura traccionada: *Artículo 5.4.2.1 del Eurocódigo-2*	Mínimo: 0.0015	
- Armado inferior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
Armadura mínima por cuantía mecánica de flexión compuesta: *Norma NSR-10. Artículo C.10.5*	Calculado: 7.96 cm²	
- Armado inferior (Situaciones persistentes):	Mínimo: 0.38 cm²	Cumple
- Armado superior (Situaciones persistentes):	Mínimo: 0.22 cm²	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Mínimo: 6.45 cm²	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Mínimo: 6.11 cm²	Cumple

Referencia: VC.S-1.1 [A3 - A4] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 4Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
Armadura mínima por cuantía mecánica de esfuerzos axiles: - Armadura total (Situaciones accidentales sísmicas): *Criterio de CYPE basado en el Artículo 38.4 de la EH-91*	Mínimo: 10.66 cm² Calculado: 18.45 cm²	Cumple
Armadura necesaria por cálculo para el axil de compresión: *Norma NSR-10. Artículo C.10.3.6.2* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Mínimo: 0 cm² Calculado: 18.45 cm² Calculado: 18.45 cm²	 Cumple Cumple
Armadura necesaria por cálculo para el axil de tracción: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Calculado: 18.45 cm² Mínimo: 0 cm² Mínimo: 0.32 cm²	 Cumple Cumple
Comprobación de armadura necesaria por cálculo a flexión compuesta: - Situaciones persistentes: - Situaciones accidentales sísmicas: *Ver listado de esfuerzos pésimos en 'Información adicional'.*	 Momento flector: 3.09 kN·m Axil: ± 0.00 kN Momento flector: -1.86 kN·m Axil: ± 0.00 kN	 Cumple Cumple Cumple
Longitud de anclaje barras superiores origen: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Calculado: 80 cm Mínimo: 30 cm Mínimo: 46 cm	 Cumple Cumple
Longitud de anclaje barras inferiores origen: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Calculado: 80 cm Mínimo: 30 cm Mínimo: 35 cm	 Cumple Cumple
Longitud de anclaje de las barras de piel origen: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Calculado: 80 cm Mínimo: 30 cm Mínimo: 37 cm	 Cumple Cumple
Longitud de anclaje barras superiores extremo: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Calculado: 80 cm Mínimo: 30 cm Mínimo: 46 cm	 Cumple Cumple
Longitud de anclaje barras inferiores extremo: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	

Referencia: VC.S-1.1 [A3 - A4] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 4Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 35 cm	Cumple
Longitud de anclaje de las barras de piel extremo: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 37 cm	Cumple
Comprobación de cortante:		
- Situaciones persistentes:	Cortante: 5.36 kN	Cumple
- Situaciones accidentales sísmicas:	Cortante: 32.58 kN	Cumple
Se cumplen todas las comprobaciones		
Información adicional:		
- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 15.9 mm (Cumple) - Esfuerzos pésimos: - Situaciones accidentales sísmicas - Momento flector: 49.48 kN·m - Axil: ± 1.24 kN (Cumple) - Momento flector: -47.12 kN·m - Axil: ± 1.05 kN (Cumple) - Momento flector: 34.35 kN·m - Axil: ± 1.36 kN (Cumple)		
Referencia: VC.T-1.3 [A2 - A3] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 3Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
Anchura mínima de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 40 cm	Cumple
Canto mínimo de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 50 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 19 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 9.1 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Separación máxima estribos: *Norma NSR-10. Artículo C.11.4.5*	Máximo: 20.3 cm	

Referencia: VC.T-1.3 [A2 - A3] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armado de piel: 1x2Ø1/2"
-Armado inferior: 3Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
- Situaciones persistentes:	Calculado: 20 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 20 cm	Cumple
Recomendación para la separación máxima de estribos en vigas comprimidas por axiles en combinaciones sísmicas: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Máximo: 23.8 cm Calculado: 20 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08*	Máximo: 30 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 9.1 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Cuantía mínima para los estribos: *Norma NSR-10. Artículo C.11.4.6.3*	Mínimo: 3.39 cm²/m	
- Situaciones persistentes:	Calculado: 7.13 cm²/m	Cumple
- Situaciones accidentales sísmicas:	Calculado: 7.13 cm²/m	Cumple
Cuantía geométrica mínima armadura traccionada: *Artículo 5.4.2.1 del Eurocódigo-2*	Mínimo: 0.0015	
- Armado superior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado inferior (Situaciones persistentes):	Calculado: 0.0029	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Calculado: 0.0029	Cumple
Armadura mínima por cuantía mecánica de flexión compuesta: *Norma NSR-10. Artículo C.10.5*		
- Armado superior (Situaciones persistentes):	Mínimo: 0.47 cm² Calculado: 7.96 cm²	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Mínimo: 1.13 cm² Calculado: 5.97 cm²	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Mínimo: 1.76 cm² Calculado: 7.96 cm²	Cumple
Armadura mínima por cuantía mecánica de esfuerzos axiles:		
- Armadura total (Situaciones accidentales sísmicas): *Criterio de CYPE basado en el Artículo 38.4 de la EH-91*	Mínimo: 10.66 cm² Calculado: 16.46 cm²	Cumple
Armadura necesaria por cálculo para el axil de compresión: *Norma NSR-10. Artículo C.10.3.6.2*	Mínimo: 0 cm²	
- Situaciones persistentes:	Calculado: 16.46 cm²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 16.46 cm²	Cumple

Referencia: VC.T-1.3 [A2 - A3] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 3Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
Armadura necesaria por cálculo para el axil de tracción: - Situaciones accidentales sísmicas: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Mínimo: 0.29 cm² Calculado: 16.46 cm²	Cumple
Comprobación de armadura necesaria por cálculo a flexión compuesta: - Situaciones persistentes: - Situaciones accidentales sísmicas: *Ver listado de esfuerzos pésimos en 'Información adicional'.*	Momento flector: 0.06 kN·m Axil: ± 0.00 kN Momento flector: -3.80 kN·m Axil: ± 0.00 kN	Cumple Cumple Cumple
Longitud de anclaje barras superiores origen: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Mínimo: 30 cm Calculado: 30 cm Calculado: 30 cm	 Cumple Cumple
Longitud de anclaje barras inferiores origen: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Mínimo: 30 cm Calculado: 30 cm Calculado: 30 cm	 Cumple Cumple
Longitud de anclaje de las barras de piel origen: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Mínimo: 30 cm Calculado: 30 cm Calculado: 30 cm	 Cumple Cumple
Longitud de anclaje barras superiores extremo: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Mínimo: 30 cm Calculado: 30 cm Calculado: 30 cm	 Cumple Cumple
Longitud de anclaje barras inferiores extremo: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Mínimo: 30 cm Calculado: 30 cm Calculado: 30 cm	 Cumple Cumple
Longitud de anclaje de las barras de piel extremo: *El anclaje se realiza a partir del eje de las columnas* - Situaciones persistentes: - Situaciones accidentales sísmicas:	Mínimo: 30 cm Calculado: 30 cm Calculado: 30 cm	 Cumple Cumple
Comprobación de cortante: - Situaciones persistentes:	Cortante: 4.04 kN	Cumple

Referencia: VC.T-1.3 [A2 - A3] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armadura de piel: 1x2Ø1/2"
-Armado inferior: 3Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
- Situaciones accidentales sísmicas:	Cortante: 9.21 kN	Cumple
Se cumplen todas las comprobaciones		

Información adicional:

- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 15.9 mm (Cumple)
- Esfuerzos pésimos:
- Situaciones accidentales sísmicas
- Momento flector: 7.75 kN·m - Axil: ± 0.92 kN (Cumple)
- Momento flector: -11.93 kN·m - Axil: ± 1.24 kN (Cumple)
- Momento flector: 6.49 kN·m - Axil: ± 1.24 kN (Cumple)

Referencia: VC.S-1.1 [A1 - A2] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armadura de piel: 1x2Ø1/2"
-Armado inferior: 4Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
Anchura mínima de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 40 cm	Cumple
Canto mínimo de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 50 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 19 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 5.5 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Separación máxima estribos: *Norma NSR-10. Artículo C.11.4.5*	Máximo: 20.3 cm	
- Situaciones persistentes:	Calculado: 20 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 20 cm	Cumple
Recomendación para la separación máxima de estribos en vigas comprimidas por axiles en combinaciones sísmicas: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Máximo: 23.8 cm Calculado: 20 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08*	Máximo: 30 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple

Referencia: VC.S-1.1 [A1 - A2] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 4Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
- Armado inferior:	Calculado: 5.5 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Cuantía mínima para los estribos: *Norma NSR-10. Artículo C.11.4.6.3*	Mínimo: 3.39 cm²/m	
- Situaciones persistentes:	Calculado: 7.13 cm²/m	Cumple
- Situaciones accidentales sísmicas:	Calculado: 7.13 cm²/m	Cumple
Cuantía geométrica mínima armadura traccionada: *Artículo 5.4.2.1 del Eurocódigo-2*	Mínimo: 0.0015	
- Armado inferior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
Armadura mínima por cuantía mecánica de flexión compuesta: *Norma NSR-10. Artículo C.10.5*	Calculado: 7.96 cm²	
- Armado inferior (Situaciones persistentes):	Mínimo: 0.45 cm²	Cumple
- Armado superior (Situaciones persistentes):	Mínimo: 0.35 cm²	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Mínimo: 6.66 cm²	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Mínimo: 6.03 cm²	Cumple
Armadura mínima por cuantía mecánica de esfuerzos axiles: - Armadura total (Situaciones accidentales sísmicas): *Criterio de CYPE basado en el Artículo 38.4 de la EH-91*	Mínimo: 10.66 cm² Calculado: 18.45 cm²	Cumple
Armadura necesaria por cálculo para el axil de compresión: *Norma NSR-10. Artículo C.10.3.6.2*	Mínimo: 0 cm²	
- Situaciones persistentes:	Calculado: 18.45 cm²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 18.45 cm²	Cumple
Armadura necesaria por cálculo para el axil de tracción: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Calculado: 18.45 cm²	
- Situaciones persistentes:	Mínimo: 0 cm²	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 0.31 cm²	Cumple
Comprobación de armadura necesaria por cálculo a flexión compuesta:		
- Situaciones persistentes:	Momento flector: 3.70 kN·m Axil: ± 0.00 kN	Cumple
	Momento flector: -2.90 kN·m Axil: ± 0.00 kN	Cumple
- Situaciones accidentales sísmicas: *Ver listado de esfuerzos pésimos en 'Información adicional'.*		Cumple

Referencia: VC.S-1.1 [A1 - A2] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armadura de piel: 1x2Ø1/2"
-Armado inferior: 4Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
Longitud de anclaje barras superiores origen:		
El anclaje se realiza a partir del eje de las columnas	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 48 cm	Cumple
Longitud de anclaje barras inferiores origen:		
El anclaje se realiza a partir del eje de las columnas	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 37 cm	Cumple
Longitud de anclaje de las barras de piel origen:		
El anclaje se realiza a partir del eje de las columnas	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 38 cm	Cumple
Longitud de anclaje barras superiores extremo:		
El anclaje se realiza a partir del eje de las columnas	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 48 cm	Cumple
Longitud de anclaje barras inferiores extremo:		
El anclaje se realiza a partir del eje de las columnas	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 37 cm	Cumple
Longitud de anclaje de las barras de piel extremo:		
El anclaje se realiza a partir del eje de las columnas	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 38 cm	Cumple
Comprobación de cortante:		
- Situaciones persistentes:	Cortante: 6.17 kN	Cumple
- Situaciones accidentales sísmicas:	Cortante: 33.50 kN	Cumple

Se cumplen todas las comprobaciones

Información adicional:

- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 15.9 mm (Cumple)
- Esfuerzos pésimos:
- Situaciones accidentales sísmicas
- Momento flector: 51.17 kN·m - Axil: ± 1.24 kN (Cumple)
- Momento flector: -46.51 kN·m - Axil: ± 1.05 kN (Cumple)
- Momento flector: -45.50 kN·m - Axil: ± 1.35 kN (Cumple)

Referencia: VC.S-1.1 [B3 - B4] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 4Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
Anchura mínima de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 40 cm	Cumple
Canto mínimo de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 50 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 19 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 5.5 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Separación máxima estribos: *Norma NSR-10. Artículo C.11.4.5*	Máximo: 20.3 cm	
- Situaciones persistentes:	Calculado: 20 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 20 cm	Cumple
Recomendación para la separación máxima de estribos en vigas comprimidas por axiles en combinaciones sísmicas: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Máximo: 23.8 cm Calculado: 20 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08*	Máximo: 30 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 5.5 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Cuantía mínima para los estribos: *Norma NSR-10. Artículo C.11.4.6.3*	Mínimo: 3.39 cm²/m	
- Situaciones persistentes:	Calculado: 7.13 cm²/m	Cumple
- Situaciones accidentales sísmicas:	Calculado: 7.13 cm²/m	Cumple
Cuantía geométrica mínima armadura traccionada: *Artículo 5.4.2.1 del Eurocódigo-2*	Mínimo: 0.0015	
- Armado inferior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple

Referencia: VC.S-1.1 [B3 - B4] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armado de piel: 1x2Ø1/2"
-Armado inferior: 4Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
Armadura mínima por cuantía mecánica de flexión compuesta: *Norma NSR-10. Artículo C.10.5*	Calculado: 7.96 cm²	
- Armado inferior (Situaciones persistentes):	Mínimo: 0.43 cm²	Cumple
- Armado superior (Situaciones persistentes):	Mínimo: 0.08 cm²	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Mínimo: 6.22 cm²	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Mínimo: 5.94 cm²	Cumple
Armadura mínima por cuantía mecánica de esfuerzos axiles: - Armadura total (Situaciones accidentales sísmicas): *Criterio de CYPE basado en el Artículo 38.4 de la EH-91*	Mínimo: 10.66 cm² Calculado: 18.45 cm²	Cumple
Armadura necesaria por cálculo para el axil de tracción: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Calculado: 18.45 cm²	
- Situaciones persistentes:	Mínimo: 0 cm²	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 0.32 cm²	Cumple
Armadura necesaria por cálculo para el axil de compresión: - Situaciones accidentales sísmicas: *Norma NSR-10. Artículo C.10.3.6.2*	Mínimo: 0 cm² Calculado: 18.45 cm²	Cumple
Comprobación de armadura necesaria por cálculo a flexión compuesta: - Situaciones persistentes:		
	Momento flector: 3.55 kN·m Axil: ± 0.00 kN	Cumple
	Momento flector: -0.69 kN·m Axil: ± 0.00 kN	Cumple
- Situaciones accidentales sísmicas: *Ver listado de esfuerzos pésimos en 'Información adicional'.*		Cumple
Longitud de anclaje barras superiores origen: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 45 cm	Cumple
Longitud de anclaje barras inferiores origen: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 34 cm	Cumple
Longitud de anclaje de las barras de piel origen: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 36 cm	Cumple

Referencia: VC.S-1.1 [B3 - B4] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armadura de piel: 1x2Ø1/2"
-Armado inferior: 4Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
Longitud de anclaje barras superiores extremo: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 45 cm	Cumple
Longitud de anclaje barras inferiores extremo: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 34 cm	Cumple
Longitud de anclaje de las barras de piel extremo: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 36 cm	Cumple
Comprobación de cortante:		
- Situaciones persistentes:	Cortante: 4.87 kN	Cumple
- Situaciones accidentales sísmicas:	Cortante: 31.16 kN	Cumple

Se cumplen todas las comprobaciones

Información adicional:

- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 15.9 mm (Cumple)
- Esfuerzos pésimos:
- Situaciones accidentales sísmicas
- Momento flector: 47.64 kN·m - Axil: ± 1.23 kN (Cumple)
- Momento flector: -45.71 kN·m - Axil: ± 1.05 kN (Cumple)
- Momento flector: 34.45 kN·m - Axil: ± 1.35 kN (Cumple)

Referencia: VC.T-1.3 [B2 - B3] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armadura de piel: 1x2Ø1/2"
-Armado inferior: 3Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
Anchura mínima de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 40 cm	Cumple
Canto mínimo de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 50 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 19 cm	Cumple

Referencia: VC.T-1.3 [B2 - B3] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 3Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 9.1 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Separación máxima estribos: *Norma NSR-10. Artículo C.11.4.5*	Máximo: 20.3 cm	
- Situaciones persistentes:	Calculado: 20 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 20 cm	Cumple
Recomendación para la separación máxima de estribos en vigas comprimidas por axiles en combinaciones sísmicas: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Máximo: 23.8 cm Calculado: 20 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08*	Máximo: 30 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 9.1 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Cuantía mínima para los estribos: *Norma NSR-10. Artículo C.11.4.6.3*	Mínimo: 3.39 cm²/m	
- Situaciones persistentes:	Calculado: 7.13 cm²/m	Cumple
- Situaciones accidentales sísmicas:	Calculado: 7.13 cm²/m	Cumple
Cuantía geométrica mínima armadura traccionada: *Artículo 5.4.2.1 del Eurocódigo-2*	Mínimo: 0.0015	
- Armado superior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Calculado: 0.0029	Cumple
Armadura mínima por cuantía mecánica de flexión compuesta: *Norma NSR-10. Artículo C.10.5*		
- Armado superior (Situaciones persistentes):	Mínimo: 0.55 cm² Calculado: 7.96 cm²	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Mínimo: 1.06 cm² Calculado: 5.97 cm²	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Mínimo: 1.81 cm² Calculado: 7.96 cm²	Cumple
Armadura mínima por cuantía mecánica de esfuerzos axiles: - Armadura total (Situaciones accidentales sísmicas): *Criterio de CYPE basado en el Artículo 38.4 de la EH-91*	Mínimo: 10.66 cm² Calculado: 16.46 cm²	Cumple

Referencia: VC.T-1.3 [B2 - B3] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 3Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
Armadura necesaria por cálculo para el axil de compresión: *Norma NSR-10. Artículo C.10.3.6.2*	Mínimo: 0 cm²	
- Situaciones persistentes:	Calculado: 16.46 cm²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 16.46 cm²	Cumple
Armadura necesaria por cálculo para el axil de tracción: - Situaciones accidentales sísmicas: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Mínimo: 0.29 cm² Calculado: 16.46 cm²	Cumple
Comprobación de armadura necesaria por cálculo a flexión compuesta: - Situaciones persistentes:	Momento flector: -4.47 kN·m Axil: ± 0.00 kN	Cumple
- Situaciones accidentales sísmicas: *Ver listado de esfuerzos pésimos en 'Información adicional'.*		Cumple
Longitud de anclaje barras superiores origen: *El anclaje se realiza a partir del eje de las columnas*	Mínimo: 30 cm	
- Situaciones persistentes:	Calculado: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 30 cm	Cumple
Longitud de anclaje barras inferiores origen: *El anclaje se realiza a partir del eje de las columnas*	Mínimo: 30 cm	
- Situaciones persistentes:	Calculado: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 30 cm	Cumple
Longitud de anclaje de las barras de piel origen: *El anclaje se realiza a partir del eje de las columnas*	Mínimo: 30 cm	
- Situaciones persistentes:	Calculado: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 30 cm	Cumple
Longitud de anclaje barras superiores extremo: *El anclaje se realiza a partir del eje de las columnas*	Mínimo: 30 cm	
- Situaciones persistentes:	Calculado: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 30 cm	Cumple
Longitud de anclaje barras inferiores extremo: *El anclaje se realiza a partir del eje de las columnas*	Mínimo: 30 cm	
- Situaciones persistentes:	Calculado: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 30 cm	Cumple
Longitud de anclaje de las barras de piel extremo: *El anclaje se realiza a partir del eje de las columnas*	Mínimo: 30 cm	
- Situaciones persistentes:	Calculado: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 30 cm	Cumple
Comprobación de cortante:		

Referencia: VC.T-1.3 [B2 - B3] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armadura de piel: 1x2Ø1/2"
-Armado inferior: 3Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
- Situaciones persistentes:	Cortante: 4.14 kN	Cumple
- Situaciones accidentales sísmicas:	Cortante: 9.10 kN	Cumple
Se cumplen todas las comprobaciones		

Información adicional:

- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 15.9 mm (Cumple)
- Esfuerzos pésimos:
- Situaciones accidentales sísmicas
- Momento flector: 7.18 kN·m - Axil: ± 0.92 kN (Cumple)
- Momento flector: -12.31 kN·m - Axil: ± 1.23 kN (Cumple)
- Momento flector: 6.11 kN·m - Axil: ± 1.23 kN (Cumple)

Referencia: VC.S-1.1 [B1 - B2] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armadura de piel: 1x2Ø1/2"
-Armado inferior: 4Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
Anchura mínima de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 40 cm	Cumple
Canto mínimo de la viga centradora: *Se aplica criterio de viga de atado por tener axiles de compresión.: Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 14.5 cm Calculado: 50 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 19 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 5.5 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Separación máxima estribos: *Norma NSR-10. Artículo C.11.4.5*	Máximo: 20.3 cm	
- Situaciones persistentes:	Calculado: 20 cm	Cumple
- Situaciones accidentales sísmicas:	Calculado: 20 cm	Cumple
Recomendación para la separación máxima de estribos en vigas comprimidas por axiles en combinaciones sísmicas: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Máximo: 23.8 cm Calculado: 20 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08*	Máximo: 30 cm	

Referencia: VC.S-1.1 [B1 - B2] (Viga cantilever) -Dimensiones: 40.0 cm x 50.0 cm -Armado superior: 4Ø5/8" -Armadura de piel: 1x2Ø1/2" -Armado inferior: 4Ø5/8" -Estribos: 1xØ3/8"c/20		
Comprobación	Valores	Estado
- Armado superior:	Calculado: 5.5 cm	Cumple
- Armado inferior:	Calculado: 5.5 cm	Cumple
- Armadura de piel:	Calculado: 14.3 cm	Cumple
Cuantía mínima para los estribos: *Norma NSR-10. Artículo C.11.4.6.3*	Mínimo: 3.39 cm²/m	
- Situaciones persistentes:	Calculado: 7.13 cm²/m	Cumple
- Situaciones accidentales sísmicas:	Calculado: 7.13 cm²/m	Cumple
Cuantía geométrica mínima armadura traccionada: *Artículo 5.4.2.1 del Eurocódigo-2*	Mínimo: 0.0015	
- Armado inferior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones persistentes):	Calculado: 0.0039	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Calculado: 0.0039	Cumple
Armadura mínima por cuantía mecánica de flexión compuesta: *Norma NSR-10. Artículo C.10.5*	Calculado: 7.96 cm²	
- Armado inferior (Situaciones persistentes):	Mínimo: 0.44 cm²	Cumple
- Armado superior (Situaciones persistentes):	Mínimo: 0.18 cm²	Cumple
- Armado inferior (Situaciones accidentales sísmicas):	Mínimo: 6.38 cm²	Cumple
- Armado superior (Situaciones accidentales sísmicas):	Mínimo: 5.89 cm²	Cumple
Armadura mínima por cuantía mecánica de esfuerzos axiles: - Armadura total (Situaciones accidentales sísmicas): *Criterio de CYPE basado en el Artículo 38.4 de la EH-91*	Mínimo: 10.66 cm² Calculado: 18.45 cm²	Cumple
Armadura necesaria por cálculo para el axil de compresión: *Norma NSR-10. Artículo C.10.3.6.2*	Mínimo: 0 cm²	
- Situaciones persistentes:	Calculado: 18.45 cm²	Cumple
- Situaciones accidentales sísmicas:	Calculado: 18.45 cm²	Cumple
Armadura necesaria por cálculo para el axil de tracción: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.15*	Calculado: 18.45 cm²	
- Situaciones persistentes:	Mínimo: 0 cm²	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 0.31 cm²	Cumple
Comprobación de armadura necesaria por cálculo a flexión compuesta: - Situaciones persistentes:	Momento flector: 3.60 kN·m Axil: ± 0.00 kN Momento flector: -1.52 kN·m Axil: ± 0.00 kN	Cumple Cumple

Referencia: VC.S-1.1 [B1 - B2] (Viga cantilever)
-Dimensiones: 40.0 cm x 50.0 cm
-Armado superior: 4Ø5/8"
-Armadura de piel: 1x2Ø1/2"
-Armado inferior: 4Ø5/8"
-Estribos: 1xØ3/8"c/20

Comprobación	Valores	Estado
- Situaciones accidentales sísmicas: *Ver listado de esfuerzos pésimos en 'Información adicional'.*		Cumple
Longitud de anclaje barras superiores origen: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 46 cm	Cumple
Longitud de anclaje barras inferiores origen: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 35 cm	Cumple
Longitud de anclaje de las barras de piel origen: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 37 cm	Cumple
Longitud de anclaje barras superiores extremo: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 46 cm	Cumple
Longitud de anclaje barras inferiores extremo: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 35 cm	Cumple
Longitud de anclaje de las barras de piel extremo: *El anclaje se realiza a partir del eje de las columnas*	Calculado: 80 cm	
- Situaciones persistentes:	Mínimo: 30 cm	Cumple
- Situaciones accidentales sísmicas:	Mínimo: 37 cm	Cumple
Comprobación de cortante:		
- Situaciones persistentes:	Cortante: 5.48 kN	Cumple
- Situaciones accidentales sísmicas:	Cortante: 31.86 kN	Cumple
Se cumplen todas las comprobaciones		

Información adicional:

- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 15.9 mm (Cumple)
- Esfuerzos pésimos:
- Situaciones accidentales sísmicas
- Momento flector: 48.90 kN·m - Axil: ± 1.24 kN (Cumple)
- Momento flector: -45.34 kN·m - Axil: ± 1.04 kN (Cumple)
- Momento flector: -44.39 kN·m - Axil: ± 1.34 kN (Cumple)

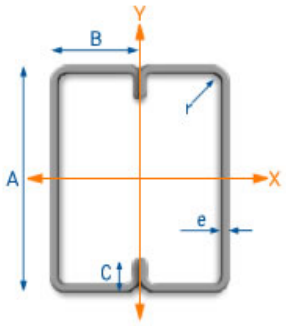
ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

DISEÑO CORREAS METÁLICAS

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

Tipo de sección: Cajón



Materiales	
Módulo de elasticidad del acero E (kg/cm²) :	2040000
Esfuerzo de fluencia del Perlín Fy (kg/cm²) :	3500
Esfuerzo último del perlín Fu (kg/cm²) :	4570

Número de luces: 3 Luces



Separación correas S(m): 1.23

Pendiente de la cubierta M (%): 14

Tensores a: L/2

Cargas Sobreimpuestas

Tipo de teja: Arquitectónica (4.32Kg/m²)

Elementos varios: Lámparas (4Kg/m²)

Carga viva (kg/m²): 50

Granizo (kg/m²): 100

Otro adicional a los anteriores (kg/m²): 10

Viento en succión (kg/m²): 50

Viento en presión (kg/m²): -50

Notas:
- Viento en succión con signo negativo (-).
-La carga de granizo que aparece por defecto es sugerida por el programa de acuerdo a la pendiente de la cubierta. Recuerde que las regiones ubicadas a menos de 2000m sobre el nivel del mar no se debe tener en cuenta la carga de granizo.

Arrugamiento del Alma

Ancho del apoyo (cm): 8

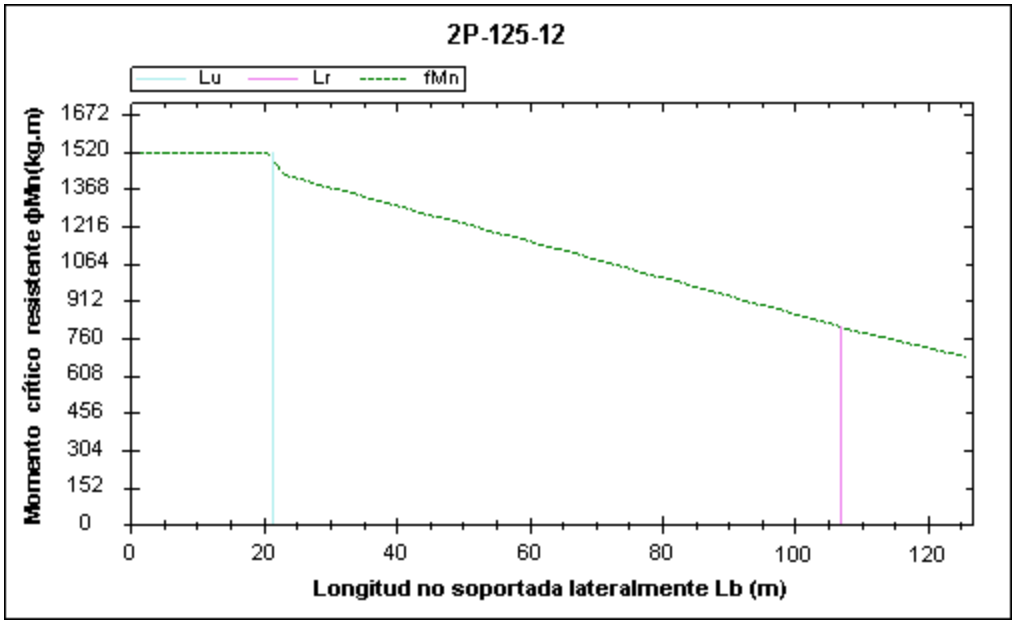
NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Selección: 2P-125-12

Designación	Peso negro Kg/m	Momento último Mu (kg-m)	Cortante último Vu (kg)	(Mux/ϕMnx)+(Muy/ϕMny)	(Mux/ϕMnx)²+(Vux/ϕVnx)²	0.91(P/Pn)+(M/Mnxo)
2P-150-16	6.24	616.54	774.33	0.69	0.42	1.22
2P-100-14	6.72	618.07	775.92	0.71	0.46	0.95
2P-6-16	6.94	618.78	776.65	0.62	0.36	1.17
2P-125-14	7.54	620.7	778.63	0.53	0.25	0.78
2P3-6-16	7.62	620.95	778.9	0.59	0.34	1.15
2P-8-16	8.14	622.61	780.62	0.44	0.21	1.01
2P-150-14	8.32	623.19	781.22	0.42	0.16	0.68
2P-100-12	8.4	623.45	781.48	0.59	0.32	0.75
2P-9-16	8.74	624.53	782.61	0.38	0.19	0.97
2P3-8-16	8.82	624.79	782.87	0.41	0.2	1
2P-6-14	9.26	626.2	784.33	0.37	0.13	0.64
2P-10-16	9.34	626.45	784.6	0.34	0.19	0.95
2P3-9-16	9.42	626.71	784.86	0.36	0.19	0.96
2P-125-12	9.42	626.71	784.86	0.44	0.18	0.61
2P3-10-16	10.02	628.63	786.85	0.33	0.19	0.95
2P-100-11	10.08	628.82	787.05	0.51	0.24	0.63
2P3-6-14	10.16	629.08	787.31	0.36	0.12	0.63
2P-150-12	10.4	629.84	788.11	0.35	0.11	0.52
2P-12-16	10.52	630.23	788.51	0.3	0.21	0.93
2P-8-14	10.84	631.25	789.57	0.26	0.07	0.54
2P3-12-16	11.22	632.47	790.82	0.29	0.21	0.93
2P-125-11	11.3	632.72	791.09	0.38	0.13	0.5
2P-6-12	11.56	633.55	791.95	0.3	0.08	0.48
2P-9-14	11.64	633.81	792.22	0.23	0.06	0.51
2P-14-16	11.72	634.06	792.48	0.27	0.25	0.92
2P3-8-14	11.76	634.19	792.61	0.25	0.07	0.54
2P-10-14	12.44	636.37	794.86	0.2	0.05	0.49
2P-150-11	12.48	636.49	795	0.3	0.08	0.42
2P3-9-14	12.56	636.75	795.26	0.22	0.05	0.51
2P3-6-12	12.72	637.26	795.79	0.28	0.07	0.46
2P3-10-14	13.36	639.31	797.91	0.19	0.05	0.49
2P-8-12	13.56	639.95	798.57	0.21	0.04	0.39
2P-6-11	13.88	640.97	799.63	0.25	0.06	0.38
2P-12-14	14.04	641.48	800.16	0.17	0.05	0.46
2P-9-12	14.56	643.15	801.89	0.18	0.03	0.37
2P3-8-12	14.7	643.6	802.35	0.2	0.04	0.39
2P3-12-14	14.96	644.43	803.21	0.16	0.05	0.47
2P3-6-11	15.26	645.39	804.21	0.23	0.05	0.36
2P-10-12	15.56	646.35	805.2	0.16	0.02	0.35
2P-14-14	15.64	646.6	805.46	0.15	0.05	0.46
2P3-9-12	15.7	646.79	805.66	0.17	0.03	0.36
2P-8-11	16.28	648.65	807.58	0.18	0.03	0.31

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Propiedades Físicas y Geométricas	
A (cm):	12.5
B (cm):	5
C (cm):	2
CALIBRE:	12
ESPESOR, e (cm):	0.25
PESO NEGRO (kg/m):	9.42
PESO GALV (kg/m):	9.51
AREA BRUTA (cm²):	12.21
AREA EFECTIVA (cm²):	11.15
Ix (cm4):	285.15
Iex (cm4):	285.15
Sx (cm³):	45.62
Sxe (cm³):	45.62
Iy (cm4):	177.67
Iey (cm4):	164.98
Sy (cm³):	35.53
Sye (cm³):	31.65
rx (cm):	4.83
ry (cm):	3.81
Xcg (cm):	0
Ycg (cm):	0
J (cm4):	324.21
Cw (cm6):	42



Cargas Gravitacionales	
Carga muerta - D (kg/m²):	25.9785
Carga viva de cubierta - Lr (kg/m²):	50
Carga de granizo - G (kg/m²):	100
Viento en presión (kg/m²):	-50
Viento en succión (kg/m²):	50

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Combinaciones Hipótesis de Cargas	Carga Última En Dirección Horizontal Wh(Kg/m)			Carga Última En Dirección Vertical Wv(Kg/m)				
	Wucm = γcd	W G = γ (g)	Wu	Wcm = γcd	W G = γ (g)	WCWp = γCW	WCWs = γCW	Wu
1.4CM+0CV+0W	6.2	0	6.2	44.3	0	0	0	44.3
1.2CM+1.6CV+0W	5.32	27.29	32.6	37.97	194.9	0	0	232.87
1.2CM+1.6CV+0.8W	5.32	27.29	32.6	37.97	194.9	-49.2	49.2	282.07
1.2CM+0.5CV+1.6W	5.32	8.53	13.84	37.97	60.91	-98.4	98.4	197.28
1.2CM+1CV+0W	5.32	17.05	22.37	37.97	121.81	0	0	159.78
0.9CM+0CV+1.6W	3.99	0	3.99	28.48	0	-98.4	98.4	126.88
0.9CM+0CV+0W	3.99	0	3.99	28.48	0	0	0	28.48

Combinaciones Hipótesis de Cargas	Momento Último Mu(kg·m)		Cortante Último Vu(kg)	
	Muy	Mux	Vuy	Vux
1.4CM+0CV+0W	5.86	119.23	3.74	123.48
1.2CM+1.6CV+0W	30.82	626.71	19.63	649.06
1.2CM+1.6CV+0.8W	30.82	495.58	19.63	784.86
1.2CM+0.5CV+1.6W	13.09	3.85	8.34	547.2
1.2CM+1CV+0W	21.15	430.02	13.47	445.35
0.9CM+0CV+1.6W	3.77	-185.61	2.4	350.99
0.9CM+0CV+0W	3.77	76.65	2.4	79.38

Mux = 627 kg.m

Muy = 31 kg.m

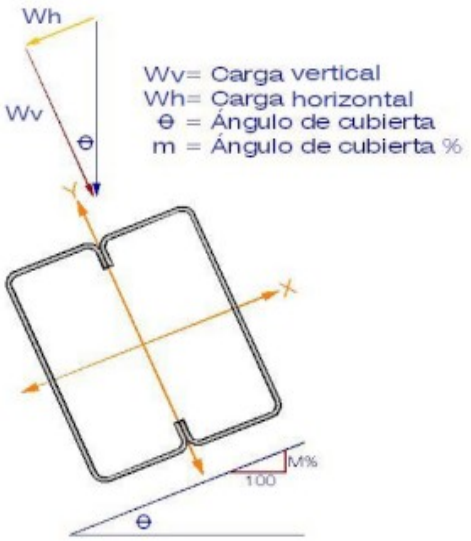
Vux = 785 kg

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Capacidades de la sección	
Mnx (kg-m):	1597
Mny (kg-m):	1108
Mnrx (kg-m):	805
Vnx (kg):	11601
Condición de soporte lateral:	2
Lb (m) (Longitud no arriostrada):	2.75
Lu (m):	21.56
Lr (m):	106.96
Cb:	1.3
Fe (kg/cm²):	99238.74
Fc (kg/cm²):	3500
ϕMnx (kg-m):	1517.03
ϕMny (kg-m):	1052.6

Análisis De Deflexiones		
Inercia de la sección Ixe (cm4):	285	
Δy(cm) CV:	0.389	
Δadm(cm) CV: L/240=	2.292	OK
Δy(cm) CM+(CV ó G):	0.47	
Δadm(cm) CM+(Cv ó G): L/180=	3.056	OK
Δy(cm) CV en voladizo:	-0.521	
Δadm(cm) CV en voladizo: L/180=	-1.289	OK
Δy(cm) CM+(CV ó G) en voladizo:	-0.755	
Δadm(cm) CM+(Cv ó G) en voladizo: L/120=	-1.933	OK

Verificación arrugamiento del alma		
t (cm):	0.25	
h (cm):	11.5	
Pn (kg):	3615.02	
Rc:	0.98	
Rc*Pn (kg):	3554.98	
Pu<Pn	OK!	
Verificación flexión y arrugamiento	0.79	<=1.460 ok!



NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.