MEMORIA DE DISEÑO ESTRUCTURAL

PASARELAS
SANTA MARTA-MAGDALENA

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TÍTULO DOCUMENTO: MEMORIAS DE ANÁLISIS Y DISEÑO ESTRUCTURAL PARA PASARELAS DE LA PLANTA DE TRATAMIENTO DE AGUA POTABLE DENOMINADA EL CURVAL EN LA CIUDAD DE SANTA MARTA					
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INTRODUCCIÓN

Este documento contiene las memorias de cálculo del proyecto de construcción de una configuración de pasarelas metálicas sobre los filtros, floculadores y sedimentadores para el sistema de acueducto denominado “El Curval”.

Las estructuras diseñadas se conforman por medio de perfiles IPE 200 y pisos en rejillas industriales tipo T. Es importante destacar que el diseño de estas estructuras se ajusta con lo establecido en la resolución 1409 de 2012 emitida por el Ministerio del Trabajo.

Los modelos matemáticos se desarrollaron tomando como referencia la geometría especificada en los planos arquitectónicos. Para el análisis de la estructura tridimensional se empleó el método de análisis dinámico elástico espectral, utilizando el software de análisis estructural SAP2000. Por otro lado, el diseño de las conexiones estructurales se llevó a cabo mediante el programa RAM CONNECTION.

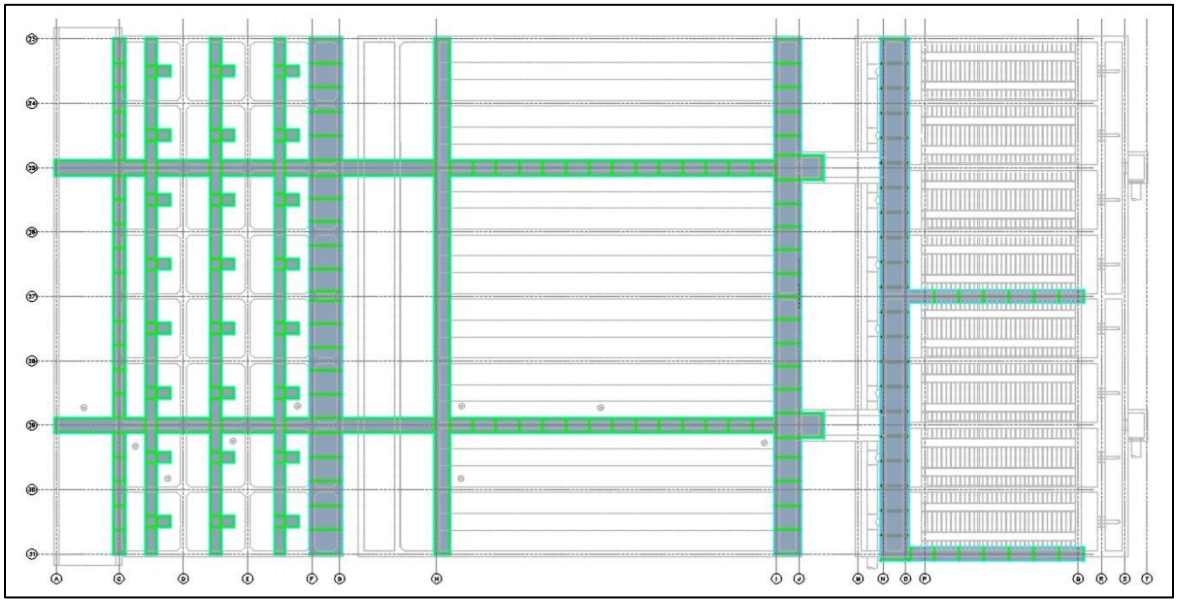


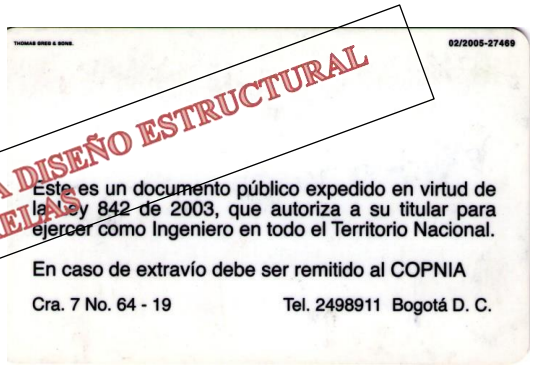
Figura a. Localización de pasarelas.

El método de diseño empleado para los elementos metálicos fue el LRFD-2010 de la AISC y para las soldaduras la AWS.

Atentamente,

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DOCUMENTO VALIDO PARA DISEÑO ESTRUCTURAL
PASARELAS

1.0 PASARELAS

1.1 PREDISEÑO DE LOS ELEMENTOS ESTRUCTURALES

El pre-dimensionamiento de cada elemento que forma parte del sistema estructural cumple con los distintos requerimientos establecidos en las Normas Colombianas de diseño y construcción sismo resistente NSR-10.

1.1-1 Perfiles Tipo IPE.

- Perfil IPE 180.

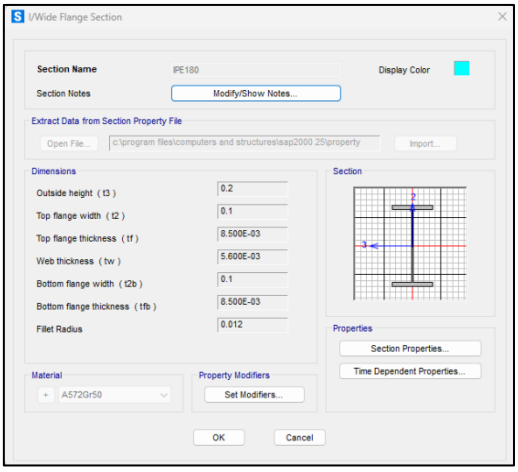


Figura 1.1-1.1 Creación del perfil IPE 180

1.1-2 Parales.

- Perfil PL75 x 7.9 mm.

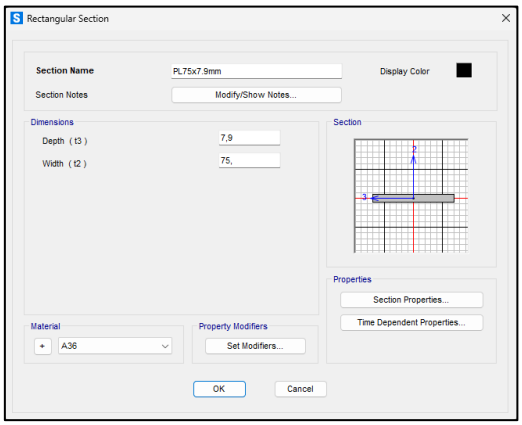


Figura 1.1-2.1 Creación del perfil PL75 x 7.9 mm.

1.1-3 Barandas.

- Perfil 1 ½" x 2 mm.

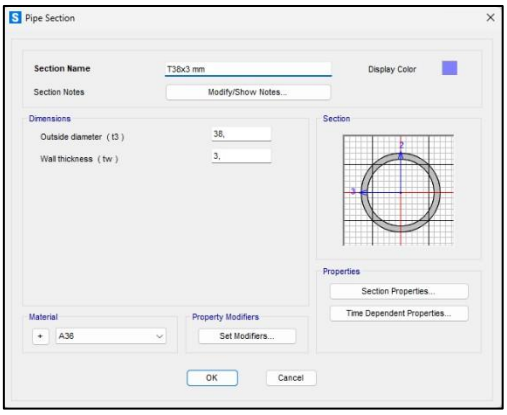


Figura 1.1-3.1 Creación del perfil 1 ½" x 2 mm.

1.1-4 Rejillas.

- Rejillas tipo T 1 1/4" x 1/8 mm.

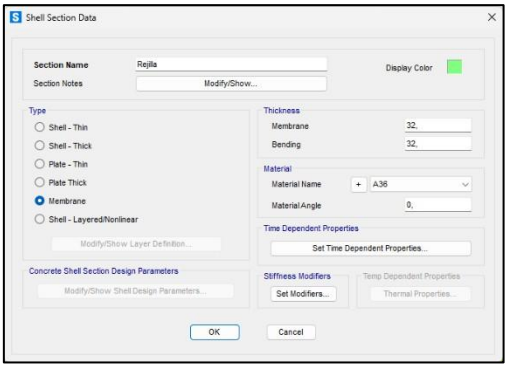


Figura 1.1-4.1 Creación de rejilla 1 1/4" x 1/8 mm.

1.2 EVALUACIÓN DE CARGAS

Siguiendo con los lineamientos del Título B - Cargas se procede a estimar las distintas solicitaciones que van a ser aplicadas sobre la escalera metálica. A continuación, se evalúan las cargas gravitacionales (viva y muerta).

1.2-1 Análisis de Carga Muerta.

En cada una de las pasarelas fue considerado 50 kgf/m^2 sobre las rejillas.

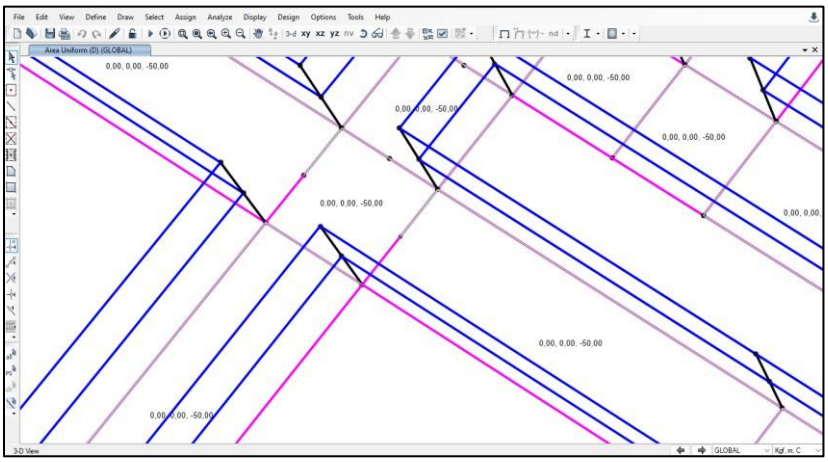


Figura 1.2-1.1 Análisis de carga muerta.

1.2-2 Análisis de Peso Propio.

El programa SAP 2000, calcula el peso propio de la cercha y asimismo de la subestructura; por lo tanto, no se incluyen en el análisis de cargas muertas del numeral anterior.

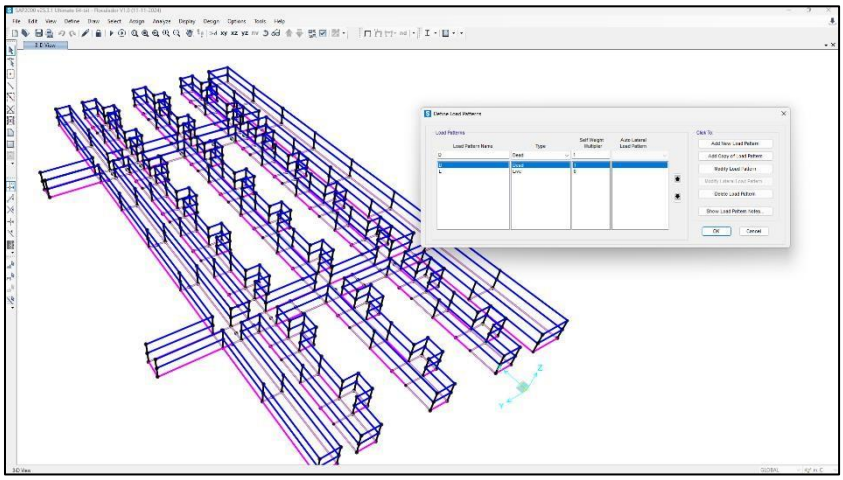


Figura 1.2-2.1 Análisis de peso propio en pasarelas sobre floculadores.

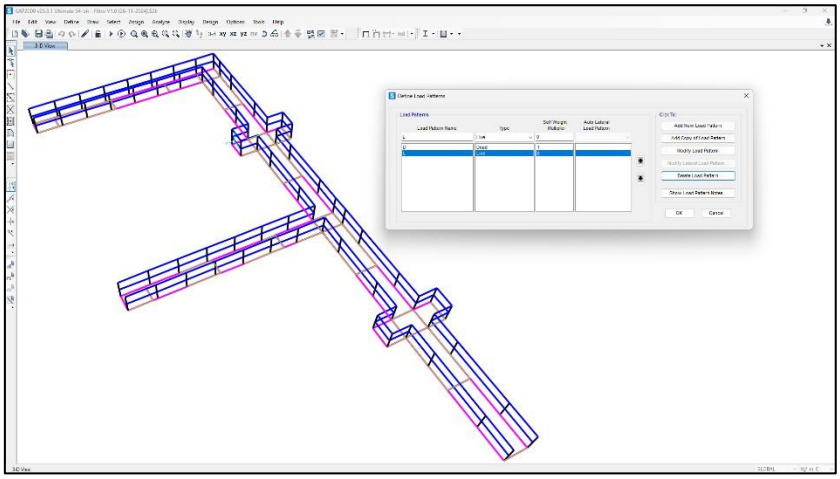


Figura 1.2-2.2 Análisis de peso propio en pasarelas sobre filtros.

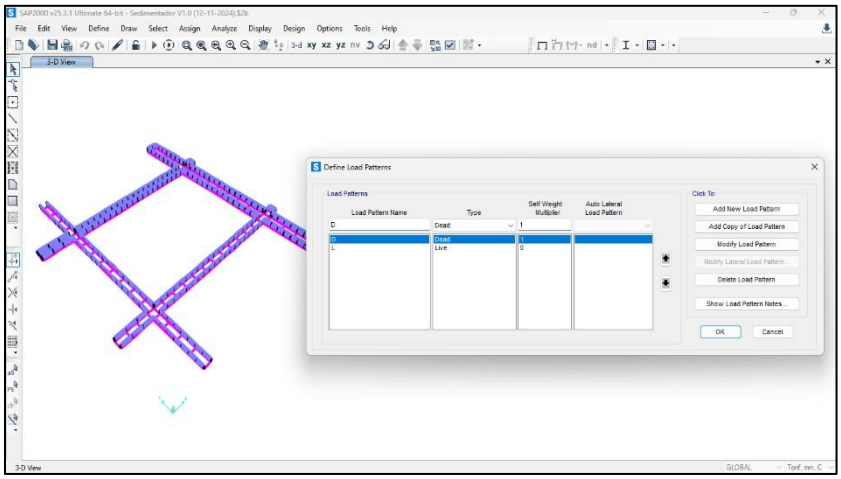


Figura 1.2-2.3 Análisis de peso propio en pasarelas sobre sedimentadores.

1.2-3 Análisis de carga viva (NSR-10, Art. B.4.2).

Las cargas vivas son aquellas cargas producidas por el uso y ocupación de la estructura y no deben incluir cargas ambientales tales como viento y sismo. Las cargas vivas que se utilicen en el diseño de la estructura deben ser las máximas cargas que se espera y ocurra debido al uso que esta va a tener.

Para las rejillas se asignó una carga de 300 kgf/m^2.

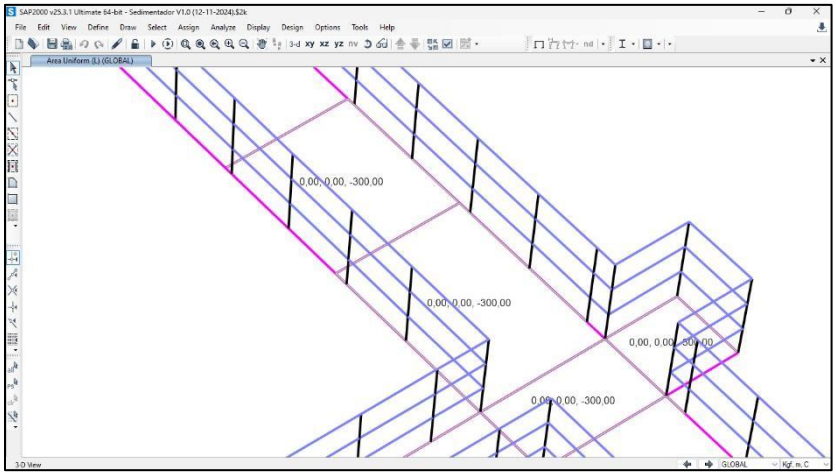


Figura 1.2-3.1 Asignación de carga en los pasos.

En las barandas se distribuyó una carga de 100 kgf/m

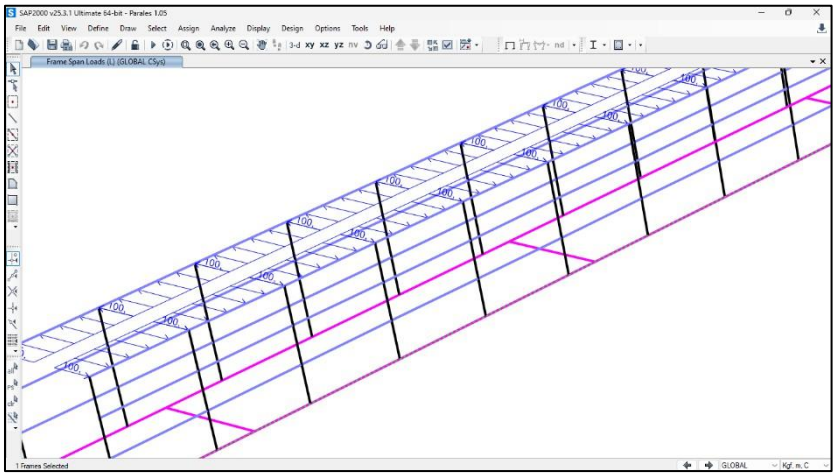


Figura 1.2-3.2 Asignación de carga en las barandas.

1.3 COMBINACIONES DE CARGA (NSR-10, B.2.4)

Las diversas cargas (viva, muerta, viento, fuerzas inerciales) deben combinarse con el objetivo de poder determinar las máximas solicitaciones sobre los elementos estructurales y estos puedan diseñarse de la manera más conveniente.

B.2.2 — NOMENCLATURA

D = carga Muerta consistente en:
(a) peso propio del elemento.
(b) peso de todos los materiales de construcción incorporados a la edificación y que son permanentemente soportados por el elemento, incluyendo muros y particiones divisorias de espacios.
(c) peso del equipo permanente.

E = fuerzas sísmicas reducidas de diseño $\left(\mathbf{E = F_s / R}\right)$ que se emplean para diseñar los miembros estructurales.

$\mathbf{E_d}$ = fuerza sísmica del umbral de daño.

F = cargas debidas al peso y presión de fluidos con densidades bien definidas y alturas máximas controlables.

$\mathbf{F_a}$ = carga debida a inundación.

$\mathbf{F_s}$ = fuerzas sísmicas calculadas de acuerdo con los requisitos del Título A del Reglamento.

G = carga debida al granizo, sin tener en cuenta la contribución del empozamiento.

L = cargas vivas debidas al uso y ocupación de la edificación, incluyendo cargas debidas a objetos móviles, particiones que se pueden cambiar de sitio. **L** incluye cualquier reducción que se permita. Si se toma en cuenta la resistencia a cargas de impacto este efecto debe tenerse en cuenta en la carga viva **L**.

$\mathbf{L_e}$ = carga de empozamiento de agua.

$\mathbf{L_r}$ = carga viva sobre la cubierta.

$\mathbf{L_0}$ = carga viva sin reducir, en kN/m^2. Véase B.4.5.1.

H = cargas debidas al empuje lateral del suelo, de agua freática o de materiales almacenados con restricción horizontal.

$\mathbf{R_0}$ = coeficiente de capacidad de disipación de energía básico definido para cada sistema estructural y cada grado de capacidad de disipación de energía del material estructural. Véase el Capítulo A.3.

R = coeficiente de capacidad de disipación de energía para ser empleado en el diseño, corresponde al coeficiente de disipación de energía básico multiplicado por los coeficientes de reducción de capacidad de disipación de energía por irregularidades en altura y en planta, y por ausencia de redundancia en el sistema estructural de resistencia sísmica $\left(\mathbf{R = \phi_a \phi_p \phi_r R_0}\right)$. Véase el Capítulo A.3.

T = fuerzas y efectos causados por efectos acumulados de variación de temperatura, retracción de fraguado, flujo plástico, cambios de humedad, asentamiento diferencial o combinación de varios de estos efectos.

W = carga de Viento.

B.2.4.2 — COMBINACIONES BÁSICAS — El diseño de las estructuras, sus componentes y cimentaciones debe hacerse de tal forma que sus resistencias de diseño igualen o excedan los efectos producidos por las cargas mayoradas en las siguientes combinaciones:

$$1.4(D+F) \quad \text{(B.2.4-1)}$$

$$1.2(D+F+T)+1.6(L+H)+0.5(L_r \text{ ó } G \text{ ó } L_e) \quad \text{(B.2.4-2)}$$

$$1.2D+1.6(L_r \text{ ó } G \text{ ó } L_e)+(L \text{ ó } 0.8W) \quad \text{(B.2.4-3)}$$

$$1.2D+1.6W+1.0L+0.5(L_r \text{ ó } G \text{ ó } L_e) \quad \text{(B.2.4-4)}$$

$$1.2D+1.0E+1.0L \quad \text{(B.2.4-5)}$$

$$0.9D+1.6W+1.6H \quad \text{(B.2.4-6)}$$

$$0.9D+1.0E+1.6H \quad \text{(B.2.4-7)}$$

1.3-1 Combinaciones para Diseño Estructural.

Para el diseño de la escalera las combinaciones empleadas son:

Tabla 1.3-1.1 Combinaciones de carga para diseño

COMBINACIONES DE CARGA DE DISEÑO					
Combo	**Tipo**	**Diseño automático**	**Tipo de caso**	**Nombre**	**Factor de escala**
COMBO 1	Linear Add	No	Linear Static	DEAD	1,4
COMBO 2	Linear Add	No	Linear Static	DEAD	1,2
COMBO 2			Linear Static	LIVE	1,6

1.3-2 Combinaciones para Chequeo de Deflexiones.

Para el chequeo de las deflexiones se emplean las siguientes combinaciones de servicio:

Tabla 1.3-2.1 Combinaciones de carga de servicio.

COMBINACIONES DE CARGA DE SEVICIO					
Combo	**Tipo**	**Diseño automático**	**Tipo de caso**	**Nombre**	**Factor de escala**
DEFORMACIÓN	Linear Add	No	Linear Static	DEAD	1
DEFORMACIÓN			Linear Static	LIVE	1

1.4 MATERIALES (NSR-10, CAPÍTULOS C.3, C.5 Y F.2).

1.4-1 Perfiles de acero.

Parales y barandas ASTM A36.
Rejilas ASTM A36
Perfil IPE ASTM A572 Gr 50.

1.4-2 Soldadura.

Para el ensamble de los elementos metálicos se deberá utilizar E70XX Y E60XX.

Todas las soldaduras, proceso y calificación de soldadores se ajustarán a los códigos A.W.S. D.1.1. de la AMERICAN WELDING SOCIETY, incluyendo certificación de los procedimientos de soldadura. Metal de aportación y fundentes para soldadura: los electrodos y fundentes para soldadura deben cumplir la norma correspondiente de la Sociedad Americana de Soldadura (American Welding Society, AWD).

1.4-3 Pernos.

Para las conexiones se emplearán pernos con calidad A325 ó en su defecto SAE grado 5.

1.5 MODELOS EN ELEMENTOS FINITOS.

1.5-1 Modelo tridimensional pasarela filtros.

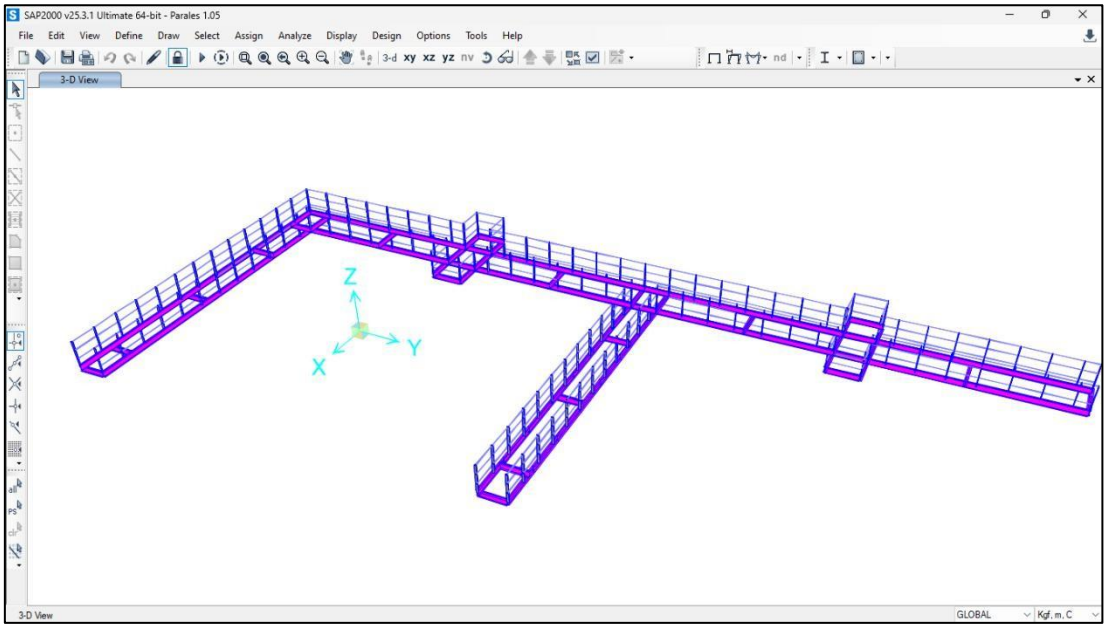


Figura 1.5-1.1 Vista tridimensional pasarelas filtro.

1.5-2 Modelo tridimensional pasarelas floculadores.

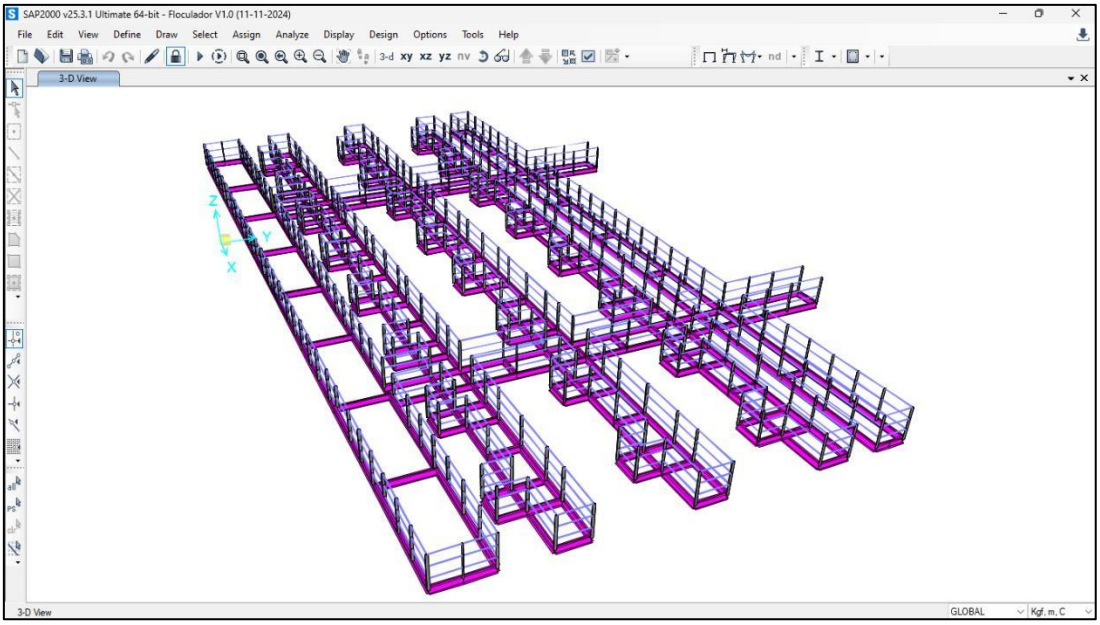


Figura 1.5-2.1 Vista tridimensional pasarelas fluculadores.

1.5-3 Modelo tridimensional pasarelas sedimentador.

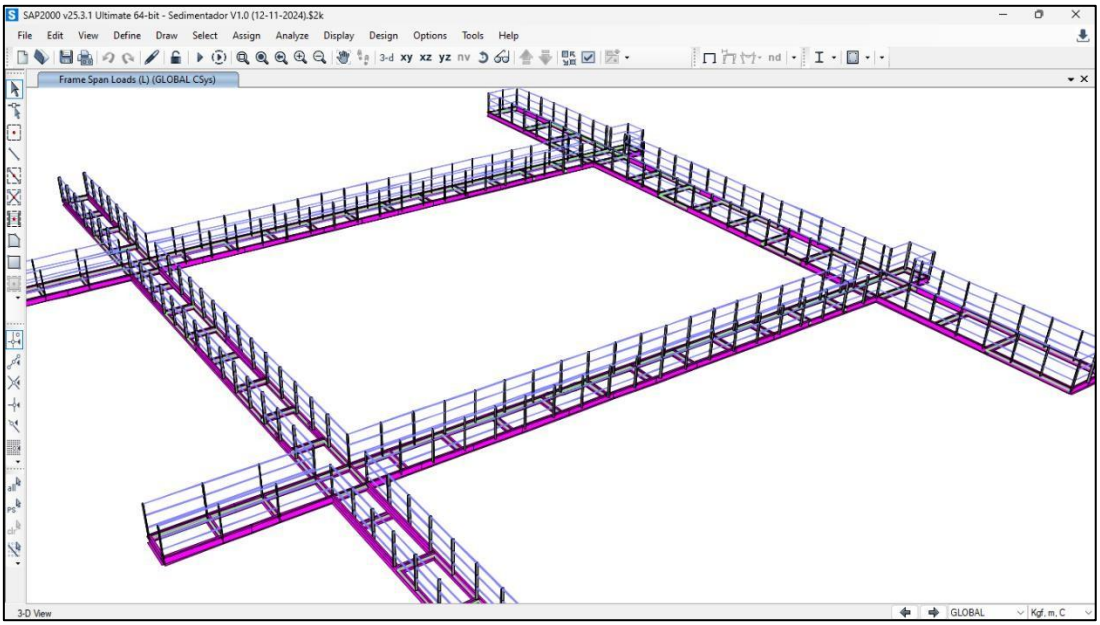


Figura 1.5-3.1 Vista tridimensional pasarela sedimentador.

1.6 DISEÑO DE ELEMENTOS ESTRUCTURALES.

1.6-1 Diseño de elementos Pasarela Filtros.

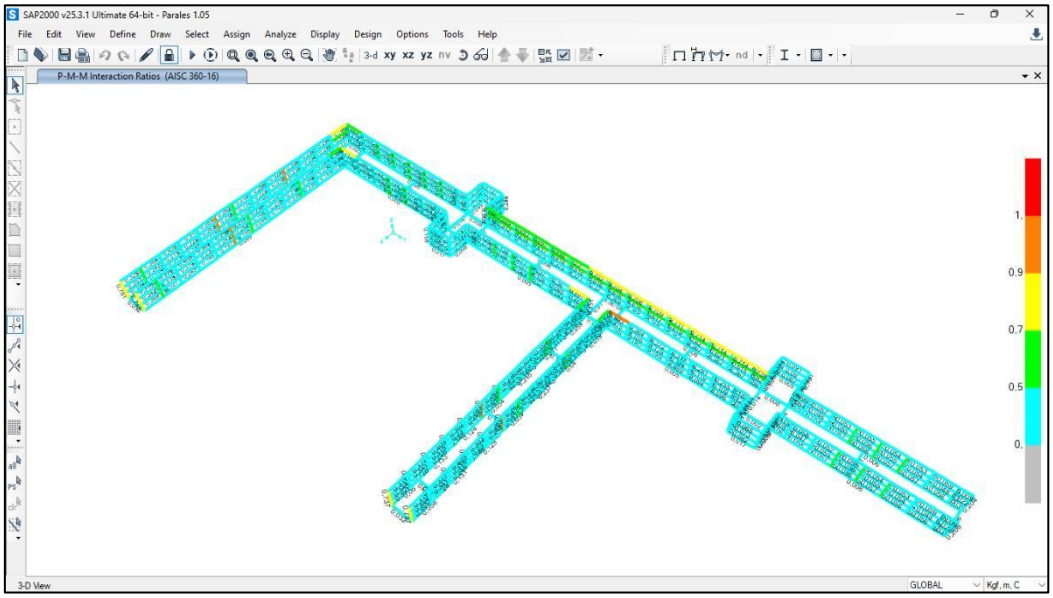


Figura 1.6-1.1 Diseño de elementos en SAP2000.

Tabla 1.6-1.1 Diseño de elementos Pasarela Filtros

TABLE: Steel Design 1 - Summary Data - AISC 360-16									
Frame	DesignSect	DesignType	Status	Ratio	RatioType	Combo	Location	ErrMsg	WarnMsg
Text	Text	Text	Text	Unitless	Text	Text	m	Text	Text
64	IPE180	Beam	No Messages	0.013123	PMM	COMB2	1.35	No Messages	No Messages
74	IPE180	Beam	No Messages	0.014103	PMM	COMB2	1.35	No Messages	No Messages
84	IPE180	Beam	No Messages	0.032157	PMM	COMB2	0.5	No Messages	No Messages
86	IPE180	Beam	No Messages	0.061672	PMM	COMB2	0.5	No Messages	No Messages
88	IPE180	Beam	No Messages	0.147804	PMM	COMB2	0.5	No Messages	No Messages
90	IPE180	Beam	No Messages	0.17929	PMM	COMB2	0.5	No Messages	No Messages
92	IPE180	Beam	No Messages	0.12206	PMM	COMB2	0.5	No Messages	No Messages
94	IPE180	Beam	No Messages	0.050229	PMM	COMB2	0	No Messages	No Messages
100	IPE180	Beam	No Messages	0.01088	PMM	COMB2	0.6	No Messages	No Messages
111	IPE180	Beam	No Messages	0.010887	PMM	COMB2	0.6	No Messages	No Messages
139	IPE180	Beam	No Messages	0.013614	PMM	COMB2	0	No Messages	No Messages
149	IPE180	Beam	No Messages	0.013619	PMM	COMB2	0	No Messages	No Messages
159	IPE180	Beam	No Messages	0.132438	PMM	COMB2	0.5	No Messages	No Messages
161	IPE180	Beam	No Messages	0.173261	PMM	COMB2	0.5	No Messages	No Messages
163	IPE180	Beam	No Messages	0.003845	PMM	COMB2	0.5	No Messages	No Messages
165	IPE180	Beam	No Messages	0.049459	PMM	COMB2	0	No Messages	No Messages
167	IPE180	Beam	No Messages	0.004963	PMM	COMB2	0.5	No Messages	No Messages
170	IPE180	Beam	No Messages	0.013971	PMM	COMB2	0	No Messages	No Messages
173	IPE180	Beam	No Messages	0.016937	PMM	COMB2	0	No Messages	No Messages
174	IPE180	Beam	No Messages	0.063078	PMM	COMB2	1.1	No Messages	No Messages
175	IPE180	Beam	No Messages	0.016472	PMM	COMB2	0	No Messages	No Messages
176	IPE180	Beam	No Messages	0.06372	PMM	COMB2	1.1	No Messages	No Messages
177	IPE180	Beam	No Messages	0.010024	PMM	COMB2	0	No Messages	No Messages
178	IPE180	Beam	No Messages	0.009979	PMM	COMB2	0	No Messages	No Messages
179	IPE180	Beam	No Messages	0.007125	PMM	COMB2	0.8	No Messages	No Messages
180	IPE180	Beam	No Messages	0.021937	PMM	COMB2	0.6	No Messages	No Messages
182	IPE180	Beam	No Messages	0.007402	PMM	COMB2	0.6	No Messages	No Messages

184	IPE180	Beam	No Messages	0.016746	PMM	COMB2	0	No Messages	No Messages
185	IPE180	Beam	No Messages	0.059264	PMM	COMB2	1.1	No Messages	No Messages
186	IPE180	Beam	No Messages	0.016768	PMM	COMB2	0	No Messages	No Messages
187	IPE180	Beam	No Messages	0.061256	PMM	COMB2	1.1	No Messages	No Messages
188	IPE180	Beam	No Messages	0.010395	PMM	COMB2	0	No Messages	No Messages
189	IPE180	Beam	No Messages	0.009592	PMM	COMB2	0	No Messages	No Messages
190	IPE180	Beam	No Messages	0.007033	PMM	COMB2	0.4	No Messages	No Messages
191	IPE180	Beam	No Messages	0.023144	PMM	COMB2	0.6	No Messages	No Messages
193	IPE180	Beam	No Messages	0.007395	PMM	COMB2	0.6	No Messages	No Messages
195	IPE180	Beam	No Messages	0.007406	PMM	COMB2	0	No Messages	No Messages
196	IPE180	Beam	No Messages	0.014038	PMM	COMB2	0	No Messages	No Messages
197	IPE180	Beam	No Messages	0.014041	PMM	COMB2	0	No Messages	No Messages
198	IPE180	Beam	No Messages	0.01394	PMM	COMB2	0	No Messages	No Messages
4	IPE180	Beam	No Messages	0.002717	PMM	COMB2	0.5	No Messages	No Messages
1	IPE180	Beam	No Messages	0.163797	PMM	COMB2	6.39	No Messages	No Messages
11	IPE180	Beam	No Messages	0.142727	PMM	COMB2	10.32	No Messages	No Messages
34	IPE180	Beam	No Messages	0.009661	PMM	COMB2	5	No Messages	No Messages
38	IPE180	Beam	No Messages	0.009635	PMM	COMB2	4.6	No Messages	No Messages
42	IPE180	Beam	No Messages	0.0097	PMM	COMB2	2	No Messages	No Messages
46	IPE180	Beam	No Messages	0.009678	PMM	COMB2	4.6	No Messages	No Messages
50	IPE180	Beam	No Messages	0.009696	PMM	COMB2	2	No Messages	No Messages
54	IPE180	Beam	No Messages	0.009638	PMM	COMB2	4.6	No Messages	No Messages
58	IPE180	Beam	No Messages	0.009647	PMM	COMB2	4.6	No Messages	No Messages
62	IPE180	Beam	No Messages	0.009673	PMM	COMB2	2	No Messages	No Messages
116	IPE180	Beam	No Messages	0.085954	PMM	COMB2	0.72	No Messages	No Messages
117	IPE180	Beam	No Messages	0.053762	PMM	COMB2	0.78571	No Messages	No Messages
118	IPE180	Beam	No Messages	0.342657	PMM	COMB2	1.10429	No Messages	No Messages
119	IPE180	Beam	No Messages	0.070833	PMM	COMB2	1.36714	No Messages	No Messages
120	IPE180	Beam	No Messages	0.174256	PMM	COMB2	0	No Messages	No Messages
121	IPE180	Beam	No Messages	0.18811	PMM	COMB2	1.67429	No Messages	No Messages
122	IPE180	Beam	No Messages	0.07765	PMM	COMB2	0.27429	No Messages	No Messages
123	IPE180	Beam	No Messages	0.086162	PMM	COMB2	0.72	No Messages	No Messages
124	IPE180	Beam	No Messages	0.052928	PMM	COMB2	0.78571	No Messages	No Messages
125	IPE180	Beam	No Messages	0.331742	PMM	COMB2	1.10429	No Messages	No Messages
126	IPE180	Beam	No Messages	0.074445	PMM	COMB2	1.36714	No Messages	No Messages
127	IPE180	Beam	No Messages	0.17622	PMM	COMB2	0	No Messages	No Messages
128	IPE180	Beam	No Messages	0.184535	PMM	COMB2	1.67429	No Messages	No Messages
129	IPE180	Beam	No Messages	0.075958	PMM	COMB2	0.27429	No Messages	No Messages
2	PL75x7.9	Column	No Messages	0.205635	PMM	COMB2	0	No Messages	No Messages
3	PL75x7.9	Column	No Messages	0.206181	PMM	COMB2	0	No Messages	No Messages
5	PL75x7.9	Column	No Messages	0.412388	PMM	COMB2	0	No Messages	No Messages
6	PL75x7.9	Column	No Messages	0.064473	PMM	COMB2	0.35	No Messages	No Messages
7	PL75x7.9	Column	No Messages	0.209315	PMM	COMB2	0	No Messages	No Messages
8	PL75x7.9	Column	No Messages	0.27168	PMM	COMB2	0	No Messages	No Messages
9	PL75x7.9	Column	No Messages	0.312307	PMM	COMB2	0	No Messages	No Messages
12	PL75x7.9	Column	No Messages	0.959714	PMM	COMB2	0	No Messages	No Messages
13	PL75x7.9	Column	No Messages	0.303137	PMM	COMB2	0	No Messages	No Messages
14	PL75x7.9	Column	No Messages	0.228828	PMM	COMB2	0	No Messages	No Messages
15	PL75x7.9	Column	No Messages	0.916783	PMM	COMB2	0	No Messages	No Messages
16	PL75x7.9	Column	No Messages	0.269598	PMM	COMB2	0	No Messages	No Messages
17	PL75x7.9	Column	No Messages	0.262899	PMM	COMB2	0	No Messages	No Messages
18	PL75x7.9	Column	No Messages	0.217557	PMM	COMB2	0	No Messages	No Messages
19	PL75x7.9	Column	No Messages	0.226661	PMM	COMB2	0	No Messages	No Messages
20	PL75x7.9	Column	No Messages	0.446745	PMM	COMB2	0	No Messages	No Messages
21	PL75x7.9	Column	No Messages	0.194729	PMM	COMB2	1.05	No Messages	No Messages
22	PL75x7.9	Column	No Messages	0.903448	PMM	COMB2	0	No Messages	No Messages
23	PL75x7.9	Column	No Messages	0.447136	PMM	COMB2	0	No Messages	No Messages
24	PL75x7.9	Column	No Messages	0.203015	PMM	COMB2	1.05	No Messages	No Messages
25	PL75x7.9	Column	No Messages	0.903159	PMM	COMB2	0	No Messages	No Messages
26	PL75x7.9	Column	No Messages	0.168622	PMM	COMB2	0	No Messages	No Messages
27	PL75x7.9	Column	No Messages	0.283426	PMM	COMB2	0	No Messages	No Messages
28	PL75x7.9	Column	No Messages	0.153138	PMM	COMB2	0	No Messages	No Messages
29	PL75x7.9	Column	No Messages	0.152874	PMM	COMB2	0	No Messages	No Messages
30	PL75x7.9	Column	No Messages	0.122603	PMM	COMB2	0	No Messages	No Messages
31	PL75x7.9	Column	No Messages	0.128597	PMM	COMB2	0	No Messages	No Messages
32	PL75x7.9	Column	No Messages	0.221942	PMM	COMB2	0	No Messages	No Messages

33	PL75x7.9	Column	No Messages	0.21788	PMM	COMB2	0	No Messages	No Messages
85	T38x2 mm	Beam	No Messages	0.500327	PMM	COMB2	0	No Messages	No Messages
87	T38x2 mm	Beam	No Messages	0.572491	PMM	COMB2	0.75	No Messages	No Messages
89	T38x2 mm	Beam	No Messages	0.51596	PMM	COMB2	0.875	No Messages	No Messages
91	T38x2 mm	Beam	No Messages	0.323453	PMM	COMB2	0.375	No Messages	No Messages
93	T38x2 mm	Beam	No Messages	0.243899	PMM	COMB2	1	No Messages	No Messages
95	T38x2 mm	Beam	No Messages	0.246702	PMM	COMB2	0	No Messages	No Messages
96	T38x2 mm	Beam	No Messages	0.25371	PMM	COMB2	1	No Messages	No Messages
97	T38x2 mm	Beam	No Messages	0.310145	PMM	COMB2	0.375	No Messages	No Messages
98	T38x2 mm	Beam	No Messages	0.342868	PMM	COMB2	1	No Messages	No Messages
99	T38x2 mm	Beam	No Messages	0.335579	PMM	COMB2	0	No Messages	No Messages
101	T38x2 mm	Beam	No Messages	0.483292	PMM	COMB2	0	No Messages	No Messages
102	T38x2 mm	Beam	No Messages	0.556495	PMM	COMB2	0.75	No Messages	No Messages
103	T38x2 mm	Beam	No Messages	0.505053	PMM	COMB2	0.875	No Messages	No Messages
104	T38x2 mm	Beam	No Messages	0.327529	PMM	COMB2	0.375	No Messages	No Messages
105	T38x2 mm	Beam	No Messages	0.219592	PMM	COMB2	1	No Messages	No Messages
106	T38x2 mm	Beam	No Messages	0.221281	PMM	COMB2	0	No Messages	No Messages
107	T38x2 mm	Beam	No Messages	0.260104	PMM	COMB2	1	No Messages	No Messages
108	T38x2 mm	Beam	No Messages	0.402287	PMM	COMB2	0.375	No Messages	No Messages
109	T38x2 mm	Beam	No Messages	0.470026	PMM	COMB2	0	No Messages	No Messages
110	T38x2 mm	Beam	No Messages	0.380288	PMM	COMB2	0	No Messages	No Messages
112	T38x2 mm	Beam	No Messages	0.483569	PMM	COMB2	0	No Messages	No Messages
113	T38x2 mm	Beam	No Messages	0.556391	PMM	COMB2	0.75	No Messages	No Messages
114	T38x2 mm	Beam	No Messages	0.503819	PMM	COMB2	0.875	No Messages	No Messages
115	T38x2 mm	Beam	No Messages	0.326394	PMM	COMB2	0.375	No Messages	No Messages
130	T38x2 mm	Beam	No Messages	0.218899	PMM	COMB2	1	No Messages	No Messages
131	T38x2 mm	Beam	No Messages	0.219693	PMM	COMB2	0	No Messages	No Messages
132	T38x2 mm	Beam	No Messages	0.257832	PMM	COMB2	1	No Messages	No Messages
133	T38x2 mm	Beam	No Messages	0.396179	PMM	COMB2	0.375	No Messages	No Messages
134	T38x2 mm	Beam	No Messages	0.461186	PMM	COMB2	0	No Messages	No Messages
135	T38x2 mm	Beam	No Messages	0.371649	PMM	COMB2	0	No Messages	No Messages
136	T38x2 mm	Beam	No Messages	0.483504	PMM	COMB2	0	No Messages	No Messages
137	T38x2 mm	Beam	No Messages	0.556333	PMM	COMB2	0.75	No Messages	No Messages
138	T38x2 mm	Beam	No Messages	0.503746	PMM	COMB2	0.875	No Messages	No Messages
140	T38x2 mm	Beam	No Messages	0.326401	PMM	COMB2	0.375	No Messages	No Messages
141	T38x2 mm	Beam	No Messages	0.218821	PMM	COMB2	1	No Messages	No Messages
142	T38x2 mm	Beam	No Messages	0.219727	PMM	COMB2	0	No Messages	No Messages
143	T38x2 mm	Beam	No Messages	0.257842	PMM	COMB2	1	No Messages	No Messages
144	T38x2 mm	Beam	No Messages	0.396611	PMM	COMB2	0.375	No Messages	No Messages
145	T38x2 mm	Beam	No Messages	0.462328	PMM	COMB2	0	No Messages	No Messages
146	T38x2 mm	Beam	No Messages	0.372699	PMM	COMB2	0	No Messages	No Messages
147	T38x2 mm	Beam	No Messages	0.328679	PMM	COMB2	0.625	No Messages	No Messages
148	T38x2 mm	Beam	No Messages	0.492815	PMM	COMB2	1	No Messages	No Messages
150	T38x2 mm	Beam	No Messages	0.462801	PMM	COMB2	1	No Messages	No Messages
151	T38x2 mm	Beam	No Messages	0.464913	PMM	COMB2	1	No Messages	No Messages
153	T38x2 mm	Beam	No Messages	0.897507	PMM	COMB2	0.72	No Messages	No Messages
155	T38x2 mm	Beam	No Messages	0.831637	PMM	COMB2	0.72	No Messages	No Messages
156	T38x2 mm	Beam	No Messages	0.831947	PMM	COMB2	0.72	No Messages	No Messages
158	T38x2 mm	Beam	No Messages	0.822229	PMM	COMB2	0	No Messages	No Messages
203	T38x2 mm	Beam	No Messages	0.094589	PMM	COMB2	0.375	No Messages	No Messages
204	T38x2 mm	Beam	No Messages	0.056321	PMM	COMB2	1	No Messages	No Messages
205	T38x2 mm	Beam	No Messages	0.058609	PMM	COMB2	1	No Messages	No Messages
206	T38x2 mm	Beam	No Messages	0.060024	PMM	COMB2	0	No Messages	No Messages
207	T38x2 mm	Beam	No Messages	0.056816	PMM	COMB2	0	No Messages	No Messages
208	T38x2 mm	Beam	No Messages	0.057528	PMM	COMB2	0.5	No Messages	No Messages
210	T38x2 mm	Beam	No Messages	0.482001	PMM	COMB2	0.375	No Messages	No Messages
211	T38x2 mm	Beam	No Messages	0.406153	PMM	COMB2	0.375	No Messages	No Messages
212	T38x2 mm	Beam	No Messages	0.342071	PMM	COMB2	1	No Messages	No Messages
213	T38x2 mm	Beam	No Messages	0.279762	PMM	COMB2	0	No Messages	No Messages
214	T38x2 mm	Beam	No Messages	0.143289	PMM	COMB2	0.5	No Messages	No Messages
215	T38x2 mm	Beam	No Messages	0.179839	PMM	COMB2	0.6	No Messages	No Messages
216	T38x2 mm	Beam	No Messages	0.079847	PMM	COMB2	0.6	No Messages	No Messages
219	T38x2 mm	Beam	No Messages	0.669886	PMM	COMB2	0	No Messages	No Messages
220	T38x2 mm	Beam	No Messages	0.17667	PMM	COMB2	0	No Messages	No Messages
233	T38x2 mm	Beam	No Messages	0.669833	PMM	COMB2	0.5	No Messages	No Messages
234	T38x2 mm	Beam	No Messages	0.676146	PMM	COMB2	1	No Messages	No Messages

235	T38x2 mm	Beam	No Messages	0.682903	PMM	COMB2	1	No Messages	No Messages
236	T38x2 mm	Beam	No Messages	0.686995	PMM	COMB2	1	No Messages	No Messages
237	T38x2 mm	Beam	No Messages	0.691167	PMM	COMB2	0	No Messages	No Messages
238	T38x2 mm	Beam	No Messages	0.695413	PMM	COMB2	1	No Messages	No Messages
239	T38x2 mm	Beam	No Messages	0.14029	PMM	COMB2	0.5	No Messages	No Messages
240	T38x2 mm	Beam	No Messages	0.268325	PMM	COMB2	1	No Messages	No Messages
241	T38x2 mm	Beam	No Messages	0.327943	PMM	COMB2	0	No Messages	No Messages
242	T38x2 mm	Beam	No Messages	0.40954	PMM	COMB2	0.5	No Messages	No Messages
243	T38x2 mm	Beam	No Messages	0.448116	PMM	COMB2	1	No Messages	No Messages
244	T38x2 mm	Beam	No Messages	1.125534	PMM	COMB2	1	No Messages	No Messages
245	T38x2 mm	Beam	No Messages	0.699789	PMM	COMB2	0	No Messages	No Messages
246	T38x2 mm	Beam	No Messages	0.704206	PMM	COMB2	0	No Messages	No Messages
247	T38x2 mm	Beam	No Messages	0.708725	PMM	COMB2	1	No Messages	No Messages
248	T38x2 mm	Beam	No Messages	0.713413	PMM	COMB2	0	No Messages	No Messages
249	T38x2 mm	Beam	No Messages	0.718205	PMM	COMB2	0	No Messages	No Messages
250	T38x2 mm	Beam	No Messages	0.720622	PMM	COMB2	0	No Messages	No Messages
251	T38x2 mm	Beam	No Messages	0.730577	PMM	COMB2	0.5	No Messages	No Messages
252	T38x2 mm	Beam	No Messages	1.136085	PMM	COMB2	0	No Messages	No Messages
253	T38x2 mm	Beam	No Messages	0.470601	PMM	COMB2	0	No Messages	No Messages
254	T38x2 mm	Beam	No Messages	0.442335	PMM	COMB2	0.5	No Messages	No Messages
255	T38x2 mm	Beam	No Messages	0.371283	PMM	COMB2	1	No Messages	No Messages
256	T38x2 mm	Beam	No Messages	0.322905	PMM	COMB2	0	No Messages	No Messages
257	T38x2 mm	Beam	No Messages	0.284232	PMM	COMB2	0.5	No Messages	No Messages
258	T38x2 mm	Beam	No Messages	0.765467	PMM	COMB2	0.6	No Messages	No Messages
259	T38x2 mm	Beam	No Messages	0.204728	PMM	COMB2	0.6	No Messages	No Messages
260	T38x2 mm	Beam	No Messages	0.09816	PMM	COMB2	0	No Messages	No Messages
261	T38x2 mm	Beam	No Messages	0.117003	PMM	COMB2	0	No Messages	No Messages
262	T38x2 mm	Beam	No Messages	0.056725	PMM	COMB2	0.5	No Messages	No Messages
263	T38x2 mm	Beam	No Messages	0.052578	PMM	COMB2	1	No Messages	No Messages
264	T38x2 mm	Beam	No Messages	0.055145	PMM	COMB2	1	No Messages	No Messages
265	T38x2 mm	Beam	No Messages	0.054404	PMM	COMB2	0	No Messages	No Messages
266	T38x2 mm	Beam	No Messages	0.052889	PMM	COMB2	0	No Messages	No Messages
267	T38x2 mm	Beam	No Messages	0.058764	PMM	COMB2	0.5	No Messages	No Messages
268	T38x2 mm	Beam	No Messages	0.05766	PMM	COMB2	0.5	No Messages	No Messages
269	T38x2 mm	Beam	No Messages	0.052282	PMM	COMB2	1	No Messages	No Messages
270	T38x2 mm	Beam	No Messages	0.055157	PMM	COMB2	1	No Messages	No Messages
271	T38x2 mm	Beam	No Messages	0.054403	PMM	COMB2	0	No Messages	No Messages
272	T38x2 mm	Beam	No Messages	0.052918	PMM	COMB2	0	No Messages	No Messages
273	T38x2 mm	Beam	No Messages	0.05878	PMM	COMB2	0.5	No Messages	No Messages
274	T38x2 mm	Beam	No Messages	0.009207	PMM	COMB2	0.5	No Messages	No Messages
275	T38x2 mm	Beam	No Messages	0.009322	PMM	COMB2	0.5	No Messages	No Messages
276	T38x2 mm	Beam	No Messages	0.135288	PMM	COMB2	0	No Messages	No Messages
277	T38x2 mm	Beam	No Messages	0.07592	PMM	COMB2	1.2	No Messages	No Messages
278	T38x2 mm	Beam	No Messages	0.138774	PMM	COMB2	1.1	No Messages	No Messages
279	T38x2 mm	Beam	No Messages	0.1523	PMM	COMB2	0	No Messages	No Messages
280	T38x2 mm	Beam	No Messages	0.064186	PMM	COMB2	1.2	No Messages	No Messages
281	T38x2 mm	Beam	No Messages	0.156119	PMM	COMB2	1.15	No Messages	No Messages
282	T38x2 mm	Beam	No Messages	0.172443	PMM	COMB2	1.1	No Messages	No Messages
283	T38x2 mm	Beam	No Messages	0.134529	PMM	COMB2	0	No Messages	No Messages
284	T38x2 mm	Beam	No Messages	0.141	PMM	COMB2	0	No Messages	No Messages
285	T38x2 mm	Beam	No Messages	0.16265	PMM	COMB2	0	No Messages	No Messages
286	T38x2 mm	Beam	No Messages	0.108907	PMM	COMB2	0.4	No Messages	No Messages
287	T38x2 mm	Beam	No Messages	0.161722	PMM	COMB2	1.15	No Messages	No Messages
624	PL75x7.9	Column	No Messages	0.477475	PMM	COMB2	1.05	No Messages	No Messages
625	PL75x7.9	Column	No Messages	0.314228	PMM	COMB2	1.05	No Messages	No Messages
626	PL75x7.9	Column	No Messages	0.162771	PMM	COMB2	0.35	No Messages	No Messages
627	PL75x7.9	Column	No Messages	0.124145	PMM	COMB2	0.35	No Messages	No Messages
628	PL75x7.9	Column	No Messages	0.935288	PMM	COMB2	1.05	No Messages	No Messages
629	PL75x7.9	Column	No Messages	0.475446	PMM	COMB2	1.05	No Messages	No Messages
630	PL75x7.9	Column	No Messages	0.135061	PMM	COMB2	0.35	No Messages	No Messages
631	PL75x7.9	Column	No Messages	0.129211	PMM	COMB2	0.35	No Messages	No Messages
632	PL75x7.9	Column	No Messages	0.89809	PMM	COMB2	1.05	No Messages	No Messages
633	PL75x7.9	Column	No Messages	0.362192	PMM	COMB2	1.05	No Messages	No Messages
634	PL75x7.9	Column	No Messages	0.459459	PMM	COMB2	1.05	No Messages	No Messages
635	PL75x7.9	Column	No Messages	0.357437	PMM	COMB2	1.05	No Messages	No Messages
636	PL75x7.9	Column	No Messages	0.18677	PMM	COMB2	0.35	No Messages	No Messages

637	PL75x7.9	Column	No Messages	0.102876	PMM	COMB2	0.35	No Messages	No Messages
638	PL75x7.9	Column	No Messages	0.881493	PMM	COMB2	1.05	No Messages	No Messages
639	PL75x7.9	Column	No Messages	0.506973	PMM	COMB2	1.05	No Messages	No Messages
640	PL75x7.9	Column	No Messages	0.163988	PMM	COMB2	0.35	No Messages	No Messages
641	PL75x7.9	Column	No Messages	0.118066	PMM	COMB2	0.35	No Messages	No Messages
642	PL75x7.9	Column	No Messages	0.647845	PMM	COMB2	1.05	No Messages	No Messages
643	PL75x7.9	Column	No Messages	0.268866	PMM	COMB2	1.05	No Messages	No Messages
644	PL75x7.9	Column	No Messages	0.441835	PMM	COMB2	1.05	No Messages	No Messages
645	PL75x7.9	Column	No Messages	0.34046	PMM	COMB2	1.05	No Messages	No Messages
646	PL75x7.9	Column	No Messages	0.164113	PMM	COMB2	0.35	No Messages	No Messages
647	PL75x7.9	Column	No Messages	0.079428	PMM	COMB2	0.35	No Messages	No Messages
648	PL75x7.9	Column	No Messages	0.862924	PMM	COMB2	1.05	No Messages	No Messages
649	PL75x7.9	Column	No Messages	0.489626	PMM	COMB2	1.05	No Messages	No Messages
650	PL75x7.9	Column	No Messages	0.141378	PMM	COMB2	0.35	No Messages	No Messages
651	PL75x7.9	Column	No Messages	0.093834	PMM	COMB2	0.35	No Messages	No Messages
652	PL75x7.9	Column	No Messages	0.643364	PMM	COMB2	1.05	No Messages	No Messages
653	PL75x7.9	Column	No Messages	0.255433	PMM	COMB2	1.05	No Messages	No Messages
654	PL75x7.9	Column	No Messages	0.442077	PMM	COMB2	1.05	No Messages	No Messages
655	PL75x7.9	Column	No Messages	0.340118	PMM	COMB2	1.05	No Messages	No Messages
656	PL75x7.9	Column	No Messages	0.16376	PMM	COMB2	0.35	No Messages	No Messages
657	PL75x7.9	Column	No Messages	0.079761	PMM	COMB2	0.35	No Messages	No Messages
658	PL75x7.9	Column	No Messages	0.865148	PMM	COMB2	1.05	No Messages	No Messages
659	PL75x7.9	Column	No Messages	0.49051	PMM	COMB2	1.05	No Messages	No Messages
660	PL75x7.9	Column	No Messages	0.140638	PMM	COMB2	0.35	No Messages	No Messages
661	PL75x7.9	Column	No Messages	0.094126	PMM	COMB2	0.35	No Messages	No Messages
662	PL75x7.9	Column	No Messages	0.642113	PMM	COMB2	1.05	No Messages	No Messages
663	PL75x7.9	Column	No Messages	0.255763	PMM	COMB2	1.05	No Messages	No Messages
664	PL75x7.9	Column	No Messages	0.200183	PMM	COMB2	1.05	No Messages	No Messages
665	PL75x7.9	Column	No Messages	0.136635	PMM	COMB2	0.35	No Messages	No Messages
666	PL75x7.9	Column	No Messages	0.099315	PMM	COMB2	0.35	No Messages	No Messages
667	PL75x7.9	Column	No Messages	0.104256	PMM	COMB2	0.35	No Messages	No Messages
668	PL75x7.9	Column	No Messages	0.608428	PMM	COMB2	1.05	No Messages	No Messages
669	PL75x7.9	Column	No Messages	0.652901	PMM	COMB2	1.05	No Messages	No Messages
670	PL75x7.9	Column	No Messages	0.652096	PMM	COMB2	1.05	No Messages	No Messages
671	PL75x7.9	Column	No Messages	0.651894	PMM	COMB2	1.05	No Messages	No Messages
672	PL75x7.9	Column	No Messages	0.635767	PMM	COMB2	1.05	No Messages	No Messages
673	PL75x7.9	Column	No Messages	0.518244	PMM	COMB2	1.05	No Messages	No Messages
674	PL75x7.9	Column	No Messages	0.195933	PMM	COMB2	1.05	No Messages	No Messages
675	PL75x7.9	Column	No Messages	0.492906	PMM	COMB2	1.05	No Messages	No Messages
676	PL75x7.9	Column	No Messages	0.561077	PMM	COMB2	1.05	No Messages	No Messages
677	PL75x7.9	Column	No Messages	0.561675	PMM	COMB2	1.05	No Messages	No Messages
678	PL75x7.9	Column	No Messages	0.535038	PMM	COMB2	1.05	No Messages	No Messages
679	PL75x7.9	Column	No Messages	0.377417	PMM	COMB2	1.05	No Messages	No Messages
680	PL75x7.9	Column	No Messages	0.314012	PMM	COMB2	1.05	No Messages	No Messages
681	PL75x7.9	Column	No Messages	0.371114	PMM	COMB2	1.05	No Messages	No Messages
682	PL75x7.9	Column	No Messages	0.422773	PMM	COMB2	1.05	No Messages	No Messages
683	PL75x7.9	Column	No Messages	0.445692	PMM	COMB2	1.05	No Messages	No Messages
684	PL75x7.9	Column	No Messages	0.44649	PMM	COMB2	1.05	No Messages	No Messages
685	PL75x7.9	Column	No Messages	0.446174	PMM	COMB2	1.05	No Messages	No Messages
686	PL75x7.9	Column	No Messages	0.446281	PMM	COMB2	1.05	No Messages	No Messages
687	PL75x7.9	Column	No Messages	0.52921	PMM	COMB2	1.05	No Messages	No Messages
688	PL75x7.9	Column	No Messages	0.5549	PMM	COMB2	1.05	No Messages	No Messages
689	PL75x7.9	Column	No Messages	0.526036	PMM	COMB2	1.05	No Messages	No Messages
690	PL75x7.9	Column	No Messages	0.289386	PMM	COMB2	1.05	No Messages	No Messages
691	PL75x7.9	Column	No Messages	0.386948	PMM	COMB2	1.05	No Messages	No Messages
692	PL75x7.9	Column	No Messages	0.447483	PMM	COMB2	1.05	No Messages	No Messages
693	PL75x7.9	Column	No Messages	0.447723	PMM	COMB2	1.05	No Messages	No Messages
694	PL75x7.9	Column	No Messages	0.448978	PMM	COMB2	1.05	No Messages	No Messages
695	PL75x7.9	Column	No Messages	0.449729	PMM	COMB2	1.05	No Messages	No Messages
696	PL75x7.9	Column	No Messages	0.429087	PMM	COMB2	1.05	No Messages	No Messages
697	PL75x7.9	Column	No Messages	0.282581	PMM	COMB2	1.05	No Messages	No Messages
698	PL75x7.9	Column	No Messages	0.347371	PMM	COMB2	1.05	No Messages	No Messages
699	PL75x7.9	Column	No Messages	0.247035	PMM	COMB2	1.05	No Messages	No Messages
700	PL75x7.9	Column	No Messages	0.483533	PMM	COMB2	1.05	No Messages	No Messages
701	PL75x7.9	Column	No Messages	0.512435	PMM	COMB2	1.05	No Messages	No Messages
702	PL75x7.9	Column	No Messages	0.487719	PMM	COMB2	1.05	No Messages	No Messages

703	PL75x7.9	Column	No Messages	0.327018	PMM	COMB2	1.05	No Messages	No Messages
704	PL75x7.9	Column	No Messages	0.341644	PMM	COMB2	1.05	No Messages	No Messages
705	PL75x7.9	Column	No Messages	0.324692	PMM	COMB2	1.05	No Messages	No Messages
706	PL75x7.9	Column	No Messages	0.48696	PMM	COMB2	1.05	No Messages	No Messages
707	PL75x7.9	Column	No Messages	0.508882	PMM	COMB2	1.05	No Messages	No Messages
708	PL75x7.9	Column	No Messages	0.508854	PMM	COMB2	1.05	No Messages	No Messages
709	PL75x7.9	Column	No Messages	0.509191	PMM	COMB2	1.05	No Messages	No Messages
710	PL75x7.9	Column	No Messages	0.4993	PMM	COMB2	1.05	No Messages	No Messages
711	PL75x7.9	Column	No Messages	0.371571	PMM	COMB2	1.05	No Messages	No Messages
712	PL75x7.9	Column	No Messages	0.484555	PMM	COMB2	1.05	No Messages	No Messages
713	PL75x7.9	Column	No Messages	0.509329	PMM	COMB2	1.05	No Messages	No Messages
714	PL75x7.9	Column	No Messages	0.509434	PMM	COMB2	1.05	No Messages	No Messages
715	PL75x7.9	Column	No Messages	0.509706	PMM	COMB2	1.05	No Messages	No Messages
716	PL75x7.9	Column	No Messages	0.499802	PMM	COMB2	1.05	No Messages	No Messages
717	PL75x7.9	Column	No Messages	0.372068	PMM	COMB2	1.05	No Messages	No Messages
718	T38x2 mm	Beam	No Messages	0.542737	PMM	COMB2	0.5	No Messages	No Messages
719	T38x2 mm	Beam	No Messages	0.526009	PMM	COMB2	0.625	No Messages	No Messages
720	T38x2 mm	Beam	No Messages	0.416559	PMM	COMB2	0.75	No Messages	No Messages
721	T38x2 mm	Beam	No Messages	0.244342	PMM	COMB2	0.5	No Messages	No Messages
722	T38x2 mm	Beam	No Messages	0.238123	PMM	COMB2	1	No Messages	No Messages
723	T38x2 mm	Beam	No Messages	0.233372	PMM	COMB2	0	No Messages	No Messages
724	T38x2 mm	Beam	No Messages	0.171562	PMM	COMB2	0.875	No Messages	No Messages
725	T38x2 mm	Beam	No Messages	0.236161	PMM	COMB2	0.5	No Messages	No Messages
726	T38x2 mm	Beam	No Messages	0.340897	PMM	COMB2	1	No Messages	No Messages
727	T38x2 mm	Beam	No Messages	0.351282	PMM	COMB2	0	No Messages	No Messages
728	T38x2 mm	Beam	No Messages	0.525785	PMM	COMB2	0.5	No Messages	No Messages
729	T38x2 mm	Beam	No Messages	0.510447	PMM	COMB2	0.625	No Messages	No Messages
730	T38x2 mm	Beam	No Messages	0.405779	PMM	COMB2	0.75	No Messages	No Messages
731	T38x2 mm	Beam	No Messages	0.24618	PMM	COMB2	0.5	No Messages	No Messages
732	T38x2 mm	Beam	No Messages	0.215901	PMM	COMB2	1	No Messages	No Messages
733	T38x2 mm	Beam	No Messages	0.216988	PMM	COMB2	0	No Messages	No Messages
734	T38x2 mm	Beam	No Messages	0.179404	PMM	COMB2	0.875	No Messages	No Messages
735	T38x2 mm	Beam	No Messages	0.314713	PMM	COMB2	0.5	No Messages	No Messages
736	T38x2 mm	Beam	No Messages	0.384328	PMM	COMB2	0	No Messages	No Messages
737	T38x2 mm	Beam	No Messages	0.434814	PMM	COMB2	0	No Messages	No Messages
738	T38x2 mm	Beam	No Messages	0.526741	PMM	COMB2	0.5	No Messages	No Messages
739	T38x2 mm	Beam	No Messages	0.510882	PMM	COMB2	0.625	No Messages	No Messages
740	T38x2 mm	Beam	No Messages	0.405563	PMM	COMB2	0.75	No Messages	No Messages
741	T38x2 mm	Beam	No Messages	0.245993	PMM	COMB2	0.5	No Messages	No Messages
742	T38x2 mm	Beam	No Messages	0.216421	PMM	COMB2	1	No Messages	No Messages
743	T38x2 mm	Beam	No Messages	0.215964	PMM	COMB2	0	No Messages	No Messages
744	T38x2 mm	Beam	No Messages	0.17842	PMM	COMB2	0.875	No Messages	No Messages
745	T38x2 mm	Beam	No Messages	0.312587	PMM	COMB2	0.5	No Messages	No Messages
746	T38x2 mm	Beam	No Messages	0.380564	PMM	COMB2	0	No Messages	No Messages
747	T38x2 mm	Beam	No Messages	0.430181	PMM	COMB2	0	No Messages	No Messages
748	T38x2 mm	Beam	No Messages	0.526682	PMM	COMB2	0.5	No Messages	No Messages
749	T38x2 mm	Beam	No Messages	0.510826	PMM	COMB2	0.625	No Messages	No Messages
750	T38x2 mm	Beam	No Messages	0.405493	PMM	COMB2	0.75	No Messages	No Messages
751	T38x2 mm	Beam	No Messages	0.246005	PMM	COMB2	0.5	No Messages	No Messages
752	T38x2 mm	Beam	No Messages	0.216356	PMM	COMB2	1	No Messages	No Messages
753	T38x2 mm	Beam	No Messages	0.216122	PMM	COMB2	0	No Messages	No Messages
754	T38x2 mm	Beam	No Messages	0.1784	PMM	COMB2	0.875	No Messages	No Messages
755	T38x2 mm	Beam	No Messages	0.312925	PMM	COMB2	0.5	No Messages	No Messages
756	T38x2 mm	Beam	No Messages	0.381503	PMM	COMB2	0	No Messages	No Messages
757	T38x2 mm	Beam	No Messages	0.431294	PMM	COMB2	0	No Messages	No Messages
758	T38x2 mm	Beam	No Messages	0.294314	PMM	COMB2	0.625	No Messages	No Messages
759	T38x2 mm	Beam	No Messages	0.429249	PMM	COMB2	1	No Messages	No Messages
760	T38x2 mm	Beam	No Messages	0.410861	PMM	COMB2	1	No Messages	No Messages
761	T38x2 mm	Beam	No Messages	0.409416	PMM	COMB2	1	No Messages	No Messages
763	T38x2 mm	Beam	No Messages	0.619563	PMM	COMB2	0.72	No Messages	No Messages
764	T38x2 mm	Beam	No Messages	0.581472	PMM	COMB2	0.72	No Messages	No Messages
765	T38x2 mm	Beam	No Messages	0.586193	PMM	COMB2	0.72	No Messages	No Messages
767	T38x2 mm	Beam	No Messages	0.588613	PMM	COMB2	0	No Messages	No Messages
768	T38x2 mm	Beam	No Messages	0.069344	PMM	COMB2	0.5	No Messages	No Messages
769	T38x2 mm	Beam	No Messages	0.068831	PMM	COMB2	1	No Messages	No Messages
770	T38x2 mm	Beam	No Messages	0.068467	PMM	COMB2	0	No Messages	No Messages

771	T38x2 mm	Beam	No Messages	0.071426	PMM	COMB2	0	No Messages	No Messages
772	T38x2 mm	Beam	No Messages	0.07032	PMM	COMB2	0	No Messages	No Messages
773	T38x2 mm	Beam	No Messages	0.073718	PMM	COMB2	0	No Messages	No Messages
775	T38x2 mm	Beam	No Messages	0.143368	PMM	COMB2	0.5	No Messages	No Messages
776	T38x2 mm	Beam	No Messages	0.132965	PMM	COMB2	1	No Messages	No Messages
777	T38x2 mm	Beam	No Messages	0.120693	PMM	COMB2	1	No Messages	No Messages
778	T38x2 mm	Beam	No Messages	0.106395	PMM	COMB2	0	No Messages	No Messages
779	T38x2 mm	Beam	No Messages	0.084245	PMM	COMB2	0	No Messages	No Messages
780	T38x2 mm	Beam	No Messages	0.109759	PMM	COMB2	0.6	No Messages	No Messages
781	T38x2 mm	Beam	No Messages	0.125517	PMM	COMB2	0.6	No Messages	No Messages
782	T38x2 mm	Beam	No Messages	0.641177	PMM	COMB2	0.6	No Messages	No Messages
783	T38x2 mm	Beam	No Messages	0.106069	PMM	COMB2	0	No Messages	No Messages
784	T38x2 mm	Beam	No Messages	0.641684	PMM	COMB2	1	No Messages	No Messages
785	T38x2 mm	Beam	No Messages	0.649712	PMM	COMB2	1	No Messages	No Messages
786	T38x2 mm	Beam	No Messages	0.65153	PMM	COMB2	1	No Messages	No Messages
787	T38x2 mm	Beam	No Messages	0.652492	PMM	COMB2	0	No Messages	No Messages
788	T38x2 mm	Beam	No Messages	0.653529	PMM	COMB2	0	No Messages	No Messages
789	T38x2 mm	Beam	No Messages	0.654682	PMM	COMB2	0	No Messages	No Messages
790	T38x2 mm	Beam	No Messages	0.08145	PMM	COMB2	1	No Messages	No Messages
791	T38x2 mm	Beam	No Messages	0.100837	PMM	COMB2	1	No Messages	No Messages
792	T38x2 mm	Beam	No Messages	0.114278	PMM	COMB2	0	No Messages	No Messages
793	T38x2 mm	Beam	No Messages	0.122643	PMM	COMB2	0.5	No Messages	No Messages
794	T38x2 mm	Beam	No Messages	0.106487	PMM	COMB2	1	No Messages	No Messages
795	T38x2 mm	Beam	No Messages	0.589015	PMM	COMB2	1	No Messages	No Messages
796	T38x2 mm	Beam	No Messages	0.655999	PMM	COMB2	0	No Messages	No Messages
797	T38x2 mm	Beam	No Messages	0.65738	PMM	COMB2	0	No Messages	No Messages
798	T38x2 mm	Beam	No Messages	0.658783	PMM	COMB2	0	No Messages	No Messages
799	T38x2 mm	Beam	No Messages	0.660346	PMM	COMB2	1	No Messages	No Messages
800	T38x2 mm	Beam	No Messages	0.661914	PMM	COMB2	0	No Messages	No Messages
801	T38x2 mm	Beam	No Messages	0.66241	PMM	COMB2	0	No Messages	No Messages
802	T38x2 mm	Beam	No Messages	0.656453	PMM	COMB2	0.5	No Messages	No Messages
803	T38x2 mm	Beam	No Messages	0.597765	PMM	COMB2	0	No Messages	No Messages
804	T38x2 mm	Beam	No Messages	0.125677	PMM	COMB2	0	No Messages	No Messages
805	T38x2 mm	Beam	No Messages	0.142497	PMM	COMB2	0.5	No Messages	No Messages
806	T38x2 mm	Beam	No Messages	0.136647	PMM	COMB2	1	No Messages	No Messages
807	T38x2 mm	Beam	No Messages	0.129021	PMM	COMB2	0	No Messages	No Messages
808	T38x2 mm	Beam	No Messages	0.11542	PMM	COMB2	0.5	No Messages	No Messages
809	T38x2 mm	Beam	No Messages	0.668946	PMM	COMB2	0.6	No Messages	No Messages
810	T38x2 mm	Beam	No Messages	0.141772	PMM	COMB2	0.6	No Messages	No Messages
811	T38x2 mm	Beam	No Messages	0.065091	PMM	COMB2	0	No Messages	No Messages
812	T38x2 mm	Beam	No Messages	0.081883	PMM	COMB2	0	No Messages	No Messages
813	T38x2 mm	Beam	No Messages	0.046428	PMM	COMB2	1	No Messages	No Messages
814	T38x2 mm	Beam	No Messages	0.055243	PMM	COMB2	1	No Messages	No Messages
815	T38x2 mm	Beam	No Messages	0.056301	PMM	COMB2	1	No Messages	No Messages
816	T38x2 mm	Beam	No Messages	0.055066	PMM	COMB2	1	No Messages	No Messages
817	T38x2 mm	Beam	No Messages	0.053683	PMM	COMB2	0	No Messages	No Messages
818	T38x2 mm	Beam	No Messages	0.048149	PMM	COMB2	0.5	No Messages	No Messages
819	T38x2 mm	Beam	No Messages	0.04683	PMM	COMB2	0.5	No Messages	No Messages
820	T38x2 mm	Beam	No Messages	0.055082	PMM	COMB2	1	No Messages	No Messages
821	T38x2 mm	Beam	No Messages	0.05638	PMM	COMB2	1	No Messages	No Messages
822	T38x2 mm	Beam	No Messages	0.05513	PMM	COMB2	1	No Messages	No Messages
823	T38x2 mm	Beam	No Messages	0.053725	PMM	COMB2	0	No Messages	No Messages
824	T38x2 mm	Beam	No Messages	0.048161	PMM	COMB2	0.5	No Messages	No Messages
825	T38x2 mm	Beam	No Messages	0.022151	PMM	COMB2	0	No Messages	No Messages
826	T38x2 mm	Beam	No Messages	0.022314	PMM	COMB2	0	No Messages	No Messages
827	T38x2 mm	Beam	No Messages	0.137792	PMM	COMB2	1.1	No Messages	No Messages
828	T38x2 mm	Beam	No Messages	0.081033	PMM	COMB2	1.2	No Messages	No Messages
829	T38x2 mm	Beam	No Messages	0.140131	PMM	COMB2	0	No Messages	No Messages
830	T38x2 mm	Beam	No Messages	0.133461	PMM	COMB2	1.15	No Messages	No Messages
831	T38x2 mm	Beam	No Messages	0.073358	PMM	COMB2	1.2	No Messages	No Messages
832	T38x2 mm	Beam	No Messages	0.140502	PMM	COMB2	0	No Messages	No Messages
833	T38x2 mm	Beam	No Messages	0.16934	PMM	COMB2	1.1	No Messages	No Messages
834	T38x2 mm	Beam	No Messages	0.126487	PMM	COMB2	0	No Messages	No Messages
835	T38x2 mm	Beam	No Messages	0.156727	PMM	COMB2	0	No Messages	No Messages
836	T38x2 mm	Beam	No Messages	0.134546	PMM	COMB2	0	No Messages	No Messages
837	T38x2 mm	Beam	No Messages	0.091586	PMM	COMB2	0.4	No Messages	No Messages

838	T38x2 mm	Beam	No Messages	0.134038	PMM	COMB2	1.15	No Messages	No Messages
839	T38x2 mm	Beam	No Messages	0.634303	PMM	COMB2	0.5	No Messages	No Messages
840	T38x2 mm	Beam	No Messages	0.510237	PMM	COMB2	0.5	No Messages	No Messages
841	T38x2 mm	Beam	No Messages	0.342322	PMM	COMB2	0.625	No Messages	No Messages
842	T38x2 mm	Beam	No Messages	0.153188	PMM	COMB2	0.5	No Messages	No Messages
843	T38x2 mm	Beam	No Messages	0.198049	PMM	COMB2	1	No Messages	No Messages
844	T38x2 mm	Beam	No Messages	0.190645	PMM	COMB2	0	No Messages	No Messages
845	T38x2 mm	Beam	No Messages	0.09776	PMM	COMB2	0.625	No Messages	No Messages
846	T38x2 mm	Beam	No Messages	0.150492	PMM	COMB2	0.5	No Messages	No Messages
847	T38x2 mm	Beam	No Messages	0.358889	PMM	COMB2	1	No Messages	No Messages
848	T38x2 mm	Beam	No Messages	0.302774	PMM	COMB2	0	No Messages	No Messages
849	T38x2 mm	Beam	No Messages	0.613031	PMM	COMB2	0.5	No Messages	No Messages
850	T38x2 mm	Beam	No Messages	0.494014	PMM	COMB2	0.5	No Messages	No Messages
851	T38x2 mm	Beam	No Messages	0.330728	PMM	COMB2	0.625	No Messages	No Messages
852	T38x2 mm	Beam	No Messages	0.153301	PMM	COMB2	0.5	No Messages	No Messages
853	T38x2 mm	Beam	No Messages	0.182405	PMM	COMB2	1	No Messages	No Messages
854	T38x2 mm	Beam	No Messages	0.18189	PMM	COMB2	0	No Messages	No Messages
855	T38x2 mm	Beam	No Messages	0.102211	PMM	COMB2	0.625	No Messages	No Messages
856	T38x2 mm	Beam	No Messages	0.222155	PMM	COMB2	0.5	No Messages	No Messages
857	T38x2 mm	Beam	No Messages	0.398699	PMM	COMB2	1	No Messages	No Messages
858	T38x2 mm	Beam	No Messages	0.422141	PMM	COMB2	0	No Messages	No Messages
859	T38x2 mm	Beam	No Messages	0.614352	PMM	COMB2	0.5	No Messages	No Messages
860	T38x2 mm	Beam	No Messages	0.494292	PMM	COMB2	0.5	No Messages	No Messages
861	T38x2 mm	Beam	No Messages	0.330431	PMM	COMB2	0.625	No Messages	No Messages
862	T38x2 mm	Beam	No Messages	0.153065	PMM	COMB2	0.5	No Messages	No Messages
863	T38x2 mm	Beam	No Messages	0.18268	PMM	COMB2	1	No Messages	No Messages
864	T38x2 mm	Beam	No Messages	0.180449	PMM	COMB2	0	No Messages	No Messages
865	T38x2 mm	Beam	No Messages	0.101485	PMM	COMB2	0.625	No Messages	No Messages
866	T38x2 mm	Beam	No Messages	0.219918	PMM	COMB2	0.5	No Messages	No Messages
867	T38x2 mm	Beam	No Messages	0.396632	PMM	COMB2	1	No Messages	No Messages
868	T38x2 mm	Beam	No Messages	0.416241	PMM	COMB2	0	No Messages	No Messages
869	T38x2 mm	Beam	No Messages	0.614269	PMM	COMB2	0.5	No Messages	No Messages
870	T38x2 mm	Beam	No Messages	0.49422	PMM	COMB2	0.5	No Messages	No Messages
871	T38x2 mm	Beam	No Messages	0.330343	PMM	COMB2	0.625	No Messages	No Messages
872	T38x2 mm	Beam	No Messages	0.153057	PMM	COMB2	0.5	No Messages	No Messages
873	T38x2 mm	Beam	No Messages	0.182661	PMM	COMB2	1	No Messages	No Messages
874	T38x2 mm	Beam	No Messages	0.180693	PMM	COMB2	0	No Messages	No Messages
875	T38x2 mm	Beam	No Messages	0.101534	PMM	COMB2	0.625	No Messages	No Messages
876	T38x2 mm	Beam	No Messages	0.220148	PMM	COMB2	0.5	No Messages	No Messages
877	T38x2 mm	Beam	No Messages	0.396853	PMM	COMB2	1	No Messages	No Messages
878	T38x2 mm	Beam	No Messages	0.417512	PMM	COMB2	0	No Messages	No Messages
879	T38x2 mm	Beam	No Messages	0.242297	PMM	COMB2	0.625	No Messages	No Messages
880	T38x2 mm	Beam	No Messages	0.367918	PMM	COMB2	1	No Messages	No Messages
881	T38x2 mm	Beam	No Messages	0.357298	PMM	COMB2	1	No Messages	No Messages
882	T38x2 mm	Beam	No Messages	0.356907	PMM	COMB2	1	No Messages	No Messages
884	T38x2 mm	Beam	No Messages	0.387413	PMM	COMB2	0.72	No Messages	No Messages
885	T38x2 mm	Beam	No Messages	0.362743	PMM	COMB2	0.72	No Messages	No Messages
886	T38x2 mm	Beam	No Messages	0.366653	PMM	COMB2	0.72	No Messages	No Messages
888	T38x2 mm	Beam	No Messages	0.440757	PMM	COMB2	0	No Messages	No Messages
889	T38x2 mm	Beam	No Messages	0.063495	PMM	COMB2	1	No Messages	No Messages
890	T38x2 mm	Beam	No Messages	0.089134	PMM	COMB2	0	No Messages	No Messages
891	T38x2 mm	Beam	No Messages	0.077366	PMM	COMB2	0	No Messages	No Messages
892	T38x2 mm	Beam	No Messages	0.083931	PMM	COMB2	0	No Messages	No Messages
893	T38x2 mm	Beam	No Messages	0.10295	PMM	COMB2	0	No Messages	No Messages
894	T38x2 mm	Beam	No Messages	0.119519	PMM	COMB2	0	No Messages	No Messages
896	T38x2 mm	Beam	No Messages	0.072194	PMM	COMB2	1	No Messages	No Messages
897	T38x2 mm	Beam	No Messages	0.079716	PMM	COMB2	1	No Messages	No Messages
898	T38x2 mm	Beam	No Messages	0.074724	PMM	COMB2	1	No Messages	No Messages
899	T38x2 mm	Beam	No Messages	0.071999	PMM	COMB2	1	No Messages	No Messages
900	T38x2 mm	Beam	No Messages	0.063509	PMM	COMB2	0	No Messages	No Messages
901	T38x2 mm	Beam	No Messages	0.067095	PMM	COMB2	0.6	No Messages	No Messages
902	T38x2 mm	Beam	No Messages	0.164446	PMM	COMB2	0.6	No Messages	No Messages
903	T38x2 mm	Beam	No Messages	0.540924	PMM	COMB2	0.6	No Messages	No Messages
904	T38x2 mm	Beam	No Messages	0.062505	PMM	COMB2	0	No Messages	No Messages
905	T38x2 mm	Beam	No Messages	0.542396	PMM	COMB2	1	No Messages	No Messages
906	T38x2 mm	Beam	No Messages	0.54226	PMM	COMB2	1	No Messages	No Messages

907	T38x2 mm	Beam	No Messages	0.54293	PMM	COMB2	1	No Messages	No Messages
908	T38x2 mm	Beam	No Messages	0.544333	PMM	COMB2	0	No Messages	No Messages
909	T38x2 mm	Beam	No Messages	0.546727	PMM	COMB2	0	No Messages	No Messages
910	T38x2 mm	Beam	No Messages	0.549859	PMM	COMB2	0	No Messages	No Messages
911	T38x2 mm	Beam	No Messages	0.061256	PMM	COMB2	1	No Messages	No Messages
912	T38x2 mm	Beam	No Messages	0.068675	PMM	COMB2	0	No Messages	No Messages
913	T38x2 mm	Beam	No Messages	0.069668	PMM	COMB2	0	No Messages	No Messages
914	T38x2 mm	Beam	No Messages	0.075644	PMM	COMB2	0	No Messages	No Messages
915	T38x2 mm	Beam	No Messages	0.054924	PMM	COMB2	1	No Messages	No Messages
916	T38x2 mm	Beam	No Messages	0.366324	PMM	COMB2	1	No Messages	No Messages
917	T38x2 mm	Beam	No Messages	0.55422	PMM	COMB2	0	No Messages	No Messages
918	T38x2 mm	Beam	No Messages	0.559787	PMM	COMB2	0	No Messages	No Messages
919	T38x2 mm	Beam	No Messages	0.566704	PMM	COMB2	0	No Messages	No Messages
920	T38x2 mm	Beam	No Messages	0.574194	PMM	COMB2	1	No Messages	No Messages
921	T38x2 mm	Beam	No Messages	0.583288	PMM	COMB2	0	No Messages	No Messages
922	T38x2 mm	Beam	No Messages	0.592713	PMM	COMB2	0	No Messages	No Messages
923	T38x2 mm	Beam	No Messages	0.604461	PMM	COMB2	0	No Messages	No Messages
924	T38x2 mm	Beam	No Messages	0.365401	PMM	COMB2	0	No Messages	No Messages
925	T38x2 mm	Beam	No Messages	0.077598	PMM	COMB2	0	No Messages	No Messages
926	T38x2 mm	Beam	No Messages	0.092119	PMM	COMB2	1	No Messages	No Messages
927	T38x2 mm	Beam	No Messages	0.09276	PMM	COMB2	1	No Messages	No Messages
928	T38x2 mm	Beam	No Messages	0.097864	PMM	COMB2	1	No Messages	No Messages
929	T38x2 mm	Beam	No Messages	0.09888	PMM	COMB2	0	No Messages	No Messages
930	T38x2 mm	Beam	No Messages	0.604871	PMM	COMB2	0	No Messages	No Messages
931	T38x2 mm	Beam	No Messages	0.103594	PMM	COMB2	0.6	No Messages	No Messages
932	T38x2 mm	Beam	No Messages	0.050685	PMM	COMB2	0	No Messages	No Messages
933	T38x2 mm	Beam	No Messages	0.060544	PMM	COMB2	0	No Messages	No Messages
934	T38x2 mm	Beam	No Messages	0.057616	PMM	COMB2	1	No Messages	No Messages
935	T38x2 mm	Beam	No Messages	0.057363	PMM	COMB2	1	No Messages	No Messages
936	T38x2 mm	Beam	No Messages	0.057999	PMM	COMB2	1	No Messages	No Messages
937	T38x2 mm	Beam	No Messages	0.056701	PMM	COMB2	1	No Messages	No Messages
938	T38x2 mm	Beam	No Messages	0.057569	PMM	COMB2	1	No Messages	No Messages
939	T38x2 mm	Beam	No Messages	0.055608	PMM	COMB2	0	No Messages	No Messages
940	T38x2 mm	Beam	No Messages	0.057905	PMM	COMB2	1	No Messages	No Messages
941	T38x2 mm	Beam	No Messages	0.057238	PMM	COMB2	1	No Messages	No Messages
942	T38x2 mm	Beam	No Messages	0.058077	PMM	COMB2	1	No Messages	No Messages
943	T38x2 mm	Beam	No Messages	0.056744	PMM	COMB2	1	No Messages	No Messages
944	T38x2 mm	Beam	No Messages	0.057633	PMM	COMB2	1	No Messages	No Messages
945	T38x2 mm	Beam	No Messages	0.055636	PMM	COMB2	0	No Messages	No Messages
946	T38x2 mm	Beam	No Messages	0.039232	PMM	COMB2	0	No Messages	No Messages
947	T38x2 mm	Beam	No Messages	0.039382	PMM	COMB2	0	No Messages	No Messages
948	T38x2 mm	Beam	No Messages	0.121745	PMM	COMB2	1.1	No Messages	No Messages
949	T38x2 mm	Beam	No Messages	0.083382	PMM	COMB2	1.2	No Messages	No Messages
950	T38x2 mm	Beam	No Messages	0.125047	PMM	COMB2	0	No Messages	No Messages
951	T38x2 mm	Beam	No Messages	0.117836	PMM	COMB2	1.15	No Messages	No Messages
952	T38x2 mm	Beam	No Messages	0.082853	PMM	COMB2	1.2	No Messages	No Messages
953	T38x2 mm	Beam	No Messages	0.124518	PMM	COMB2	0	No Messages	No Messages
954	T38x2 mm	Beam	No Messages	0.140876	PMM	COMB2	1.1	No Messages	No Messages
955	T38x2 mm	Beam	No Messages	0.111323	PMM	COMB2	0	No Messages	No Messages
956	T38x2 mm	Beam	No Messages	0.139412	PMM	COMB2	0	No Messages	No Messages
957	T38x2 mm	Beam	No Messages	0.102554	PMM	COMB2	1.15	No Messages	No Messages
958	T38x2 mm	Beam	No Messages	0.069365	PMM	COMB2	0.4	No Messages	No Messages
959	T38x2 mm	Beam	No Messages	0.102862	PMM	COMB2	0	No Messages	No Messages
41	T38x2 mm	Beam	No Messages	0.423408	PMM	COMB2	0.125	No Messages	No Messages
44	T38x2 mm	Beam	No Messages	0.369618	PMM	COMB2	0.25	No Messages	No Messages
47	T38x2 mm	Beam	No Messages	0.3851	PMM	COMB2	1	No Messages	No Messages
49	T38x2 mm	Beam	No Messages	0.994721	PMM	COMB2	1.07	No Messages	No Messages
51	T38x2 mm	Beam	No Messages	0.705792	PMM	COMB2	1.07	No Messages	No Messages
52	T38x2 mm	Beam	No Messages	0.454786	PMM	COMB2	1.07	No Messages	No Messages
55	PL75x7.9	Column	No Messages	0.357605	PMM	COMB2	1.05	No Messages	No Messages
56	T38x2 mm	Beam	No Messages	1.19726	PMM	COMB2	0	No Messages	No Messages
59	T38x2 mm	Beam	No Messages	0.62907	PMM	COMB2	0	No Messages	No Messages
61	T38x2 mm	Beam	No Messages	0.381657	PMM	COMB2	0	No Messages	No Messages

1.6-2 Diseño de elementos Pasarela Floculadores.

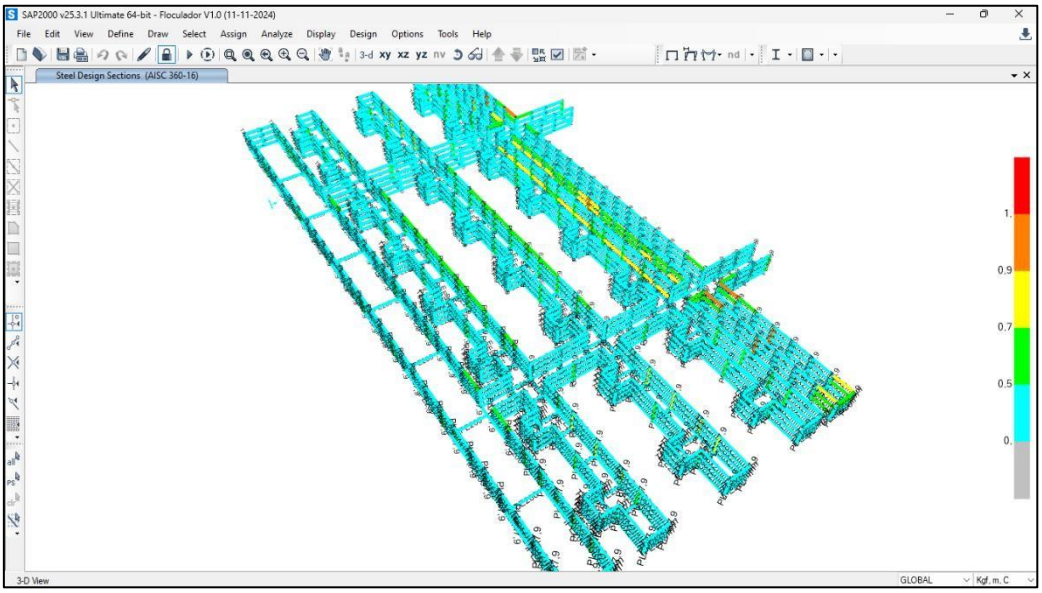


Figura 1.6-2.1 Diseño de elementos en SAP2000.

Tabla 1.6-2.2 Diseño de elementos Pasarelas Floculadores.

TABLE: Steel Design 1 - Summary Data - AISC 360-16									
Frame	DesignSect	DesignType	Status	Ratio	RatioType	Combo	Location	ErrMsg	WarnMsg
Text	Text	Text	Text	Unitless	Text	Text	m	Text	Text
1	IPE180	Beam	No Messages	0.20956	PMM	COMB2	1.99875	No Messages	No Messages
2	IPE180	Beam	No Messages	0.114562	PMM	COMB2	2.14875	No Messages	No Messages
3	IPE180	Beam	No Messages	0.064757	PMM	COMB2	1.7175	No Messages	No Messages
4	IPE180	Beam	No Messages	0.099773	PMM	COMB2	1.84875	No Messages	No Messages
6	IPE180	Beam	No Messages	0.099752	PMM	COMB2	1.99875	No Messages	No Messages
7	IPE180	Beam	No Messages	0.06469	PMM	COMB2	1.64875	No Messages	No Messages
8	IPE180	Beam	No Messages	0.138443	PMM	COMB2	1.71875	No Messages	No Messages
9	IPE180	Beam	No Messages	0.220218	PMM	COMB2	1.85	No Messages	No Messages
11	IPE180	Beam	No Messages	0.223736	PMM	COMB2	1.99875	No Messages	No Messages
12	IPE180	Beam	No Messages	0.112502	PMM	COMB2	1.14875	No Messages	No Messages
13	IPE180	Beam	No Messages	0.061437	PMM	COMB1	1.7175	No Messages	No Messages
14	IPE180	Beam	No Messages	0.093166	PMM	COMB1	1.84875	No Messages	No Messages
16	IPE180	Beam	No Messages	0.093367	PMM	COMB1	1.99875	No Messages	No Messages
17	IPE180	Beam	No Messages	0.061427	PMM	COMB1	1.64875	No Messages	No Messages
18	IPE180	Beam	No Messages	0.11263	PMM	COMB2	2.21875	No Messages	No Messages
19	IPE180	Beam	No Messages	0.226519	PMM	COMB2	1.85	No Messages	No Messages
21	IPE180	Beam	No Messages	0.023066	PMM	COMB2	1.44375	No Messages	No Messages
22	IPE180	Beam	No Messages	0.021532	PMM	COMB2	1.44375	No Messages	No Messages
23	IPE180	Beam	No Messages	0.021137	PMM	COMB2	1.44375	No Messages	No Messages
24	IPE180	Beam	No Messages	0.263492	PMM	COMB2	0.48125	No Messages	No Messages
26	IPE180	Beam	No Messages	0.021693	PMM	COMB2	1.44375	No Messages	No Messages
27	IPE180	Beam	No Messages	0.02156	PMM	COMB2	1.44375	No Messages	No Messages
28	IPE180	Beam	No Messages	0.024139	PMM	COMB2	3.36875	No Messages	No Messages
29	IPE180	Beam	No Messages	0.303531	PMM	COMB2	0.48125	No Messages	No Messages
31	IPE180	Beam	No Messages	0.023508	PMM	COMB2	1.44375	No Messages	No Messages
32	IPE180	Beam	No Messages	0.021472	PMM	COMB2	1.44375	No Messages	No Messages
33	IPE180	Beam	No Messages	0.02293	PMM	COMB2	3.36875	No Messages	No Messages
34	IPE180	Beam	No Messages	0.3032	PMM	COMB2	0.48125	No Messages	No Messages
36	IPE180	Beam	No Messages	0.023019	PMM	COMB2	1.44375	No Messages	No Messages
37	IPE180	Beam	No Messages	0.021666	PMM	COMB2	1.44375	No Messages	No Messages
38	IPE180	Beam	No Messages	0.021243	PMM	COMB2	1.44375	No Messages	No Messages

39	IPE180	Beam	No Messages	0.263607	PMM	COMB2	0.48125	No Messages	No Messages
41	IPE180	Beam	No Messages	0.012575	PMM	COMB2	2.8875	No Messages	No Messages
42	IPE180	Beam	No Messages	0.01308	PMM	COMB2	0.9625	No Messages	No Messages
43	IPE180	Beam	No Messages	0.013994	PMM	COMB2	3.6975	No Messages	No Messages
44	IPE180	Beam	No Messages	0.010652	PMM	COMB2	0.9625	No Messages	No Messages
46	IPE180	Beam	No Messages	0.012478	PMM	COMB2	2.8875	No Messages	No Messages
47	IPE180	Beam	No Messages	0.013085	PMM	COMB2	0.9625	No Messages	No Messages
48	IPE180	Beam	No Messages	0.013756	PMM	COMB2	3.7	No Messages	No Messages
49	IPE180	Beam	No Messages	0.010686	PMM	COMB2	0.9625	No Messages	No Messages
50	IPE180	Beam	No Messages	0.012261	PMM	COMB2	2.8875	No Messages	No Messages
51	IPE180	Beam	No Messages	0.011918	PMM	COMB2	0.9625	No Messages	No Messages
52	IPE180	Beam	No Messages	0.013698	PMM	COMB2	3.69875	No Messages	No Messages
53	IPE180	Beam	No Messages	0.010577	PMM	COMB2	0.9625	No Messages	No Messages
54	IPE180	Beam	No Messages	0.012439	PMM	COMB2	2.8875	No Messages	No Messages
55	IPE180	Beam	No Messages	0.012454	PMM	COMB2	0.9625	No Messages	No Messages
56	IPE180	Beam	No Messages	0.014842	PMM	COMB2	3.7	No Messages	No Messages
57	IPE180	Beam	No Messages	0.010403	PMM	COMB2	0.9625	No Messages	No Messages
59	IPE180	Beam	No Messages	0.001628	PMM	COMB1	0.4125	No Messages	No Messages
60	IPE180	Beam	No Messages	0.001765	PMM	COMB2	0.4125	No Messages	No Messages
61	IPE180	Beam	No Messages	0.001669	PMM	COMB2	0.4125	No Messages	No Messages
62	IPE180	Beam	No Messages	0.001715	PMM	COMB2	0.4125	No Messages	No Messages
63	IPE180	Beam	No Messages	0.001628	PMM	COMB1	0.4125	No Messages	No Messages
64	IPE180	Beam	No Messages	0.001769	PMM	COMB2	0.4125	No Messages	No Messages
65	IPE180	Beam	No Messages	0.001669	PMM	COMB2	0.4125	No Messages	No Messages
68	IPE180	Beam	No Messages	0.165114	PMM	COMB2	1.925	No Messages	No Messages
71	IPE180	Beam	No Messages	0.40932	PMM	COMB2	1.475	No Messages	No Messages
74	IPE180	Beam	No Messages	0.055466	PMM	COMB2	0.8	No Messages	No Messages
75	IPE180	Beam	No Messages	0.071813	PMM	COMB2	0	No Messages	No Messages
76	IPE180	Beam	No Messages	0.048091	PMM	COMB2	0.8	No Messages	No Messages
77	IPE180	Beam	No Messages	0.06413	PMM	COMB2	0	No Messages	No Messages
78	IPE180	Beam	No Messages	0.002782	PMM	COMB1	0	No Messages	No Messages
79	IPE180	Beam	No Messages	0.123215	PMM	COMB2	1.475	No Messages	No Messages
80	IPE180	Beam	No Messages	0.337451	PMM	COMB2	1.475	No Messages	No Messages
81	IPE180	Beam	No Messages	0.054681	PMM	COMB2	0.8	No Messages	No Messages
82	IPE180	Beam	No Messages	0.0722	PMM	COMB2	0	No Messages	No Messages
83	IPE180	Beam	No Messages	0.047992	PMM	COMB2	0.8	No Messages	No Messages
84	IPE180	Beam	No Messages	0.062251	PMM	COMB2	0	No Messages	No Messages
85	IPE180	Beam	No Messages	0.002787	PMM	COMB1	0.9	No Messages	No Messages
86	IPE180	Beam	No Messages	0.125686	PMM	COMB2	1.89375	No Messages	No Messages
87	IPE180	Beam	No Messages	0.327524	PMM	COMB2	1.89375	No Messages	No Messages
88	IPE180	Beam	No Messages	0.052317	PMM	COMB2	0.8	No Messages	No Messages
89	IPE180	Beam	No Messages	0.067293	PMM	COMB2	0	No Messages	No Messages
90	IPE180	Beam	No Messages	0.049072	PMM	COMB2	0.8	No Messages	No Messages
91	IPE180	Beam	No Messages	0.065514	PMM	COMB2	0	No Messages	No Messages
92	IPE180	Beam	No Messages	0.002781	PMM	COMB1	0	No Messages	No Messages
93	IPE180	Beam	No Messages	0.160199	PMM	COMB2	1.925	No Messages	No Messages
94	IPE180	Beam	No Messages	0.408484	PMM	COMB2	1.925	No Messages	No Messages
95	IPE180	Beam	No Messages	0.05441	PMM	COMB2	0.8	No Messages	No Messages
96	IPE180	Beam	No Messages	0.071611	PMM	COMB2	0	No Messages	No Messages
97	IPE180	Beam	No Messages	0.054874	PMM	COMB2	0.8	No Messages	No Messages
98	IPE180	Beam	No Messages	0.071801	PMM	COMB2	0	No Messages	No Messages
99	IPE180	Beam	No Messages	0.002815	PMM	COMB1	0.9	No Messages	No Messages
100	IPE180	Beam	No Messages	0.160209	PMM	COMB2	1.925	No Messages	No Messages
101	IPE180	Beam	No Messages	0.408473	PMM	COMB2	1.925	No Messages	No Messages
102	IPE180	Beam	No Messages	0.054856	PMM	COMB2	0.8	No Messages	No Messages
103	IPE180	Beam	No Messages	0.072089	PMM	COMB2	0	No Messages	No Messages
104	IPE180	Beam	No Messages	0.054423	PMM	COMB2	0.8	No Messages	No Messages
105	IPE180	Beam	No Messages	0.071321	PMM	COMB2	0	No Messages	No Messages
106	IPE180	Beam	No Messages	0.002814	PMM	COMB1	0	No Messages	No Messages
107	IPE180	Beam	No Messages	0.12573	PMM	COMB2	1.475	No Messages	No Messages
108	IPE180	Beam	No Messages	0.327425	PMM	COMB2	1.475	No Messages	No Messages
109	IPE180	Beam	No Messages	0.048995	PMM	COMB2	0.8	No Messages	No Messages
110	IPE180	Beam	No Messages	0.065611	PMM	COMB2	0	No Messages	No Messages
111	IPE180	Beam	No Messages	0.052377	PMM	COMB2	0.8	No Messages	No Messages
112	IPE180	Beam	No Messages	0.067062	PMM	COMB2	0	No Messages	No Messages
113	IPE180	Beam	No Messages	0.002782	PMM	COMB1	0.9	No Messages	No Messages

114	IPE180	Beam	No Messages	0.123958	PMM	COMB2	1.89375	No Messages	No Messages
115	IPE180	Beam	No Messages	0.337213	PMM	COMB2	1.89375	No Messages	No Messages
116	IPE180	Beam	No Messages	0.048403	PMM	COMB2	0.8	No Messages	No Messages
117	IPE180	Beam	No Messages	0.062842	PMM	COMB2	0	No Messages	No Messages
118	IPE180	Beam	No Messages	0.053509	PMM	COMB2	0.8	No Messages	No Messages
119	IPE180	Beam	No Messages	0.070806	PMM	COMB2	0	No Messages	No Messages
120	IPE180	Beam	No Messages	0.002805	PMM	COMB1	0	No Messages	No Messages
121	IPE180	Beam	No Messages	0.194125	PMM	COMB2	1.925	No Messages	No Messages
122	IPE180	Beam	No Messages	0.286735	PMM	COMB2	2.375	No Messages	No Messages
123	IPE180	Beam	No Messages	0.035773	PMM	COMB2	0.8	No Messages	No Messages
124	IPE180	Beam	No Messages	0.044389	PMM	COMB2	0	No Messages	No Messages
125	IPE180	Beam	No Messages	0.042555	PMM	COMB2	0.8	No Messages	No Messages
126	IPE180	Beam	No Messages	0.051318	PMM	COMB2	0	No Messages	No Messages
127	IPE180	Beam	No Messages	0.005924	PMM	COMB2	0	No Messages	No Messages
128	IPE180	Beam	No Messages	0.16506	PMM	COMB2	1.925	No Messages	No Messages
129	IPE180	Beam	No Messages	0.409443	PMM	COMB2	1.475	No Messages	No Messages
130	IPE180	Beam	No Messages	0.055594	PMM	COMB2	0.8	No Messages	No Messages
131	IPE180	Beam	No Messages	0.071962	PMM	COMB2	0	No Messages	No Messages
132	IPE180	Beam	No Messages	0.048002	PMM	COMB2	0.8	No Messages	No Messages
133	IPE180	Beam	No Messages	0.06404	PMM	COMB2	0	No Messages	No Messages
134	IPE180	Beam	No Messages	0.002782	PMM	COMB1	0	No Messages	No Messages
135	IPE180	Beam	No Messages	0.123037	PMM	COMB2	1.475	No Messages	No Messages
136	IPE180	Beam	No Messages	0.339682	PMM	COMB2	1.475	No Messages	No Messages
137	IPE180	Beam	No Messages	0.055566	PMM	COMB2	0.8	No Messages	No Messages
138	IPE180	Beam	No Messages	0.073227	PMM	COMB2	0	No Messages	No Messages
139	IPE180	Beam	No Messages	0.046803	PMM	COMB2	0.8	No Messages	No Messages
140	IPE180	Beam	No Messages	0.060811	PMM	COMB2	0	No Messages	No Messages
141	IPE180	Beam	No Messages	0.002781	PMM	COMB1	0.9	No Messages	No Messages
142	IPE180	Beam	No Messages	0.121913	PMM	COMB2	1.89375	No Messages	No Messages
143	IPE180	Beam	No Messages	0.338432	PMM	COMB2	1.89375	No Messages	No Messages
144	IPE180	Beam	No Messages	0.047849	PMM	COMB2	0.8	No Messages	No Messages
145	IPE180	Beam	No Messages	0.062421	PMM	COMB2	0	No Messages	No Messages
146	IPE180	Beam	No Messages	0.055235	PMM	COMB2	0.8	No Messages	No Messages
147	IPE180	Beam	No Messages	0.072716	PMM	COMB2	0	No Messages	No Messages
148	IPE180	Beam	No Messages	0.002781	PMM	COMB1	0.9	No Messages	No Messages
149	IPE180	Beam	No Messages	0.159951	PMM	COMB2	1.925	No Messages	No Messages
150	IPE180	Beam	No Messages	0.409191	PMM	COMB2	1.925	No Messages	No Messages
151	IPE180	Beam	No Messages	0.053935	PMM	COMB2	0.8	No Messages	No Messages
152	IPE180	Beam	No Messages	0.071147	PMM	COMB2	0	No Messages	No Messages
153	IPE180	Beam	No Messages	0.055597	PMM	COMB2	0.8	No Messages	No Messages
154	IPE180	Beam	No Messages	0.072658	PMM	COMB2	0	No Messages	No Messages
155	IPE180	Beam	No Messages	0.002815	PMM	COMB1	0.9	No Messages	No Messages
156	IPE180	Beam	No Messages	0.159958	PMM	COMB2	1.925	No Messages	No Messages
157	IPE180	Beam	No Messages	0.409189	PMM	COMB2	1.925	No Messages	No Messages
158	IPE180	Beam	No Messages	0.055591	PMM	COMB2	0.8	No Messages	No Messages
159	IPE180	Beam	No Messages	0.072963	PMM	COMB2	0	No Messages	No Messages
160	IPE180	Beam	No Messages	0.053938	PMM	COMB2	0.8	No Messages	No Messages
161	IPE180	Beam	No Messages	0.070846	PMM	COMB2	0	No Messages	No Messages
162	IPE180	Beam	No Messages	0.002815	PMM	COMB1	0	No Messages	No Messages
163	IPE180	Beam	No Messages	0.121871	PMM	COMB2	1.475	No Messages	No Messages
164	IPE180	Beam	No Messages	0.338504	PMM	COMB2	1.475	No Messages	No Messages
165	IPE180	Beam	No Messages	0.055245	PMM	COMB2	0.8	No Messages	No Messages
166	IPE180	Beam	No Messages	0.072928	PMM	COMB2	0	No Messages	No Messages
167	IPE180	Beam	No Messages	0.047845	PMM	COMB2	0.8	No Messages	No Messages
168	IPE180	Beam	No Messages	0.062159	PMM	COMB2	0	No Messages	No Messages
169	IPE180	Beam	No Messages	0.002781	PMM	COMB1	0	No Messages	No Messages
170	IPE180	Beam	No Messages	0.123095	PMM	COMB2	1.89375	No Messages	No Messages
171	IPE180	Beam	No Messages	0.339587	PMM	COMB2	1.89375	No Messages	No Messages
172	IPE180	Beam	No Messages	0.046829	PMM	COMB2	0.8	No Messages	No Messages
173	IPE180	Beam	No Messages	0.061109	PMM	COMB2	0	No Messages	No Messages
174	IPE180	Beam	No Messages	0.055532	PMM	COMB2	0.8	No Messages	No Messages
175	IPE180	Beam	No Messages	0.072997	PMM	COMB2	0	No Messages	No Messages
176	IPE180	Beam	No Messages	0.00278	PMM	COMB1	0	No Messages	No Messages
177	IPE180	Beam	No Messages	0.165087	PMM	COMB2	1.925	No Messages	No Messages
178	IPE180	Beam	No Messages	0.40938	PMM	COMB2	2.375	No Messages	No Messages
179	IPE180	Beam	No Messages	0.048003	PMM	COMB2	0.8	No Messages	No Messages

180	IPE180	Beam	No Messages	0.064334	PMM	COMB2	0	No Messages	No Messages
181	IPE180	Beam	No Messages	0.055586	PMM	COMB2	0.8	No Messages	No Messages
182	IPE180	Beam	No Messages	0.071665	PMM	COMB2	0	No Messages	No Messages
183	IPE180	Beam	No Messages	0.002783	PMM	COMB1	0.9	No Messages	No Messages
184	IPE180	Beam	No Messages	0.163339	PMM	COMB2	1.925	No Messages	No Messages
185	IPE180	Beam	No Messages	0.412569	PMM	COMB2	1.475	No Messages	No Messages
186	IPE180	Beam	No Messages	0.055475	PMM	COMB2	0.8	No Messages	No Messages
187	IPE180	Beam	No Messages	0.072226	PMM	COMB2	0	No Messages	No Messages
188	IPE180	Beam	No Messages	0.049299	PMM	COMB2	0.8	No Messages	No Messages
189	IPE180	Beam	No Messages	0.06553	PMM	COMB2	0	No Messages	No Messages
190	IPE180	Beam	No Messages	0.002783	PMM	COMB1	0	No Messages	No Messages
191	IPE180	Beam	No Messages	0.121551	PMM	COMB2	1.475	No Messages	No Messages
192	IPE180	Beam	No Messages	0.338494	PMM	COMB2	1.475	No Messages	No Messages
193	IPE180	Beam	No Messages	0.055432	PMM	COMB2	0.8	No Messages	No Messages
194	IPE180	Beam	No Messages	0.073063	PMM	COMB2	0	No Messages	No Messages
195	IPE180	Beam	No Messages	0.047011	PMM	COMB2	0.8	No Messages	No Messages
196	IPE180	Beam	No Messages	0.061054	PMM	COMB2	0	No Messages	No Messages
197	IPE180	Beam	No Messages	0.002781	PMM	COMB1	0.9	No Messages	No Messages
198	IPE180	Beam	No Messages	0.120406	PMM	COMB2	1.89375	No Messages	No Messages
199	IPE180	Beam	No Messages	0.33811	PMM	COMB2	1.89375	No Messages	No Messages
200	IPE180	Beam	No Messages	0.047848	PMM	COMB2	0.8	No Messages	No Messages
201	IPE180	Beam	No Messages	0.062361	PMM	COMB2	0	No Messages	No Messages
202	IPE180	Beam	No Messages	0.055224	PMM	COMB2	0.8	No Messages	No Messages
203	IPE180	Beam	No Messages	0.072692	PMM	COMB2	0	No Messages	No Messages
204	IPE180	Beam	No Messages	0.002781	PMM	COMB1	0.9	No Messages	No Messages
205	IPE180	Beam	No Messages	0.159968	PMM	COMB2	1.925	No Messages	No Messages
206	IPE180	Beam	No Messages	0.409196	PMM	COMB2	1.925	No Messages	No Messages
207	IPE180	Beam	No Messages	0.053934	PMM	COMB2	0.8	No Messages	No Messages
208	IPE180	Beam	No Messages	0.071145	PMM	COMB2	0	No Messages	No Messages
209	IPE180	Beam	No Messages	0.055593	PMM	COMB2	0.8	No Messages	No Messages
210	IPE180	Beam	No Messages	0.072647	PMM	COMB2	0	No Messages	No Messages
211	IPE180	Beam	No Messages	0.002815	PMM	COMB1	0.9	No Messages	No Messages
212	IPE180	Beam	No Messages	0.159974	PMM	COMB2	1.925	No Messages	No Messages
213	IPE180	Beam	No Messages	0.409195	PMM	COMB2	1.925	No Messages	No Messages
214	IPE180	Beam	No Messages	0.055587	PMM	COMB2	0.8	No Messages	No Messages
215	IPE180	Beam	No Messages	0.072955	PMM	COMB2	0	No Messages	No Messages
216	IPE180	Beam	No Messages	0.053938	PMM	COMB2	0.8	No Messages	No Messages
217	IPE180	Beam	No Messages	0.070839	PMM	COMB2	0	No Messages	No Messages
218	IPE180	Beam	No Messages	0.002815	PMM	COMB1	0	No Messages	No Messages
219	IPE180	Beam	No Messages	0.120345	PMM	COMB2	1.475	No Messages	No Messages
220	IPE180	Beam	No Messages	0.338179	PMM	COMB2	1.475	No Messages	No Messages
221	IPE180	Beam	No Messages	0.055233	PMM	COMB2	0.8	No Messages	No Messages
222	IPE180	Beam	No Messages	0.072888	PMM	COMB2	0	No Messages	No Messages
223	IPE180	Beam	No Messages	0.047842	PMM	COMB2	0.8	No Messages	No Messages
224	IPE180	Beam	No Messages	0.062122	PMM	COMB2	0	No Messages	No Messages
225	IPE180	Beam	No Messages	0.002781	PMM	COMB1	0	No Messages	No Messages
226	IPE180	Beam	No Messages	0.119559	PMM	COMB2	1.89375	No Messages	No Messages
227	IPE180	Beam	No Messages	0.33976	PMM	COMB2	1.89375	No Messages	No Messages
228	IPE180	Beam	No Messages	0.046915	PMM	COMB2	0.8	No Messages	No Messages
229	IPE180	Beam	No Messages	0.061132	PMM	COMB2	0	No Messages	No Messages
230	IPE180	Beam	No Messages	0.055392	PMM	COMB2	0.8	No Messages	No Messages
231	IPE180	Beam	No Messages	0.072836	PMM	COMB2	0	No Messages	No Messages
232	IPE180	Beam	No Messages	0.002779	PMM	COMB1	0.9	No Messages	No Messages
233	IPE180	Beam	No Messages	0.163743	PMM	COMB2	1.925	No Messages	No Messages
234	IPE180	Beam	No Messages	0.411849	PMM	COMB2	2.375	No Messages	No Messages
235	IPE180	Beam	No Messages	0.04904	PMM	COMB2	0.8	No Messages	No Messages
236	IPE180	Beam	No Messages	0.065529	PMM	COMB2	0	No Messages	No Messages
237	IPE180	Beam	No Messages	0.055491	PMM	COMB2	0.8	No Messages	No Messages
238	IPE180	Beam	No Messages	0.071856	PMM	COMB2	0	No Messages	No Messages
239	IPE180	Beam	No Messages	0.002796	PMM	COMB1	0.9	No Messages	No Messages
67	IPE180	Beam	No Messages	0.005379	PMM	COMB2	0.48125	No Messages	No Messages
69	IPE180	Beam	No Messages	0.098702	PMM	COMB2	0	No Messages	No Messages
70	IPE180	Beam	No Messages	0.007502	PMM	COMB2	0.48125	No Messages	No Messages
72	IPE180	Beam	No Messages	0.218974	PMM	COMB2	0	No Messages	No Messages
73	IPE180	Beam	No Messages	0.005908	PMM	COMB2	0.48125	No Messages	No Messages
240	IPE180	Beam	No Messages	0.176066	PMM	COMB2	0	No Messages	No Messages

241	IPE180	Beam	No Messages	0.006455	PMM	COMB2	0	No Messages	No Messages
242	IPE180	Beam	No Messages	0.187687	PMM	COMB2	0	No Messages	No Messages
243	IPE180	Beam	No Messages	0.005965	PMM	COMB2	0.48125	No Messages	No Messages
244	IPE180	Beam	No Messages	0.176246	PMM	COMB2	0	No Messages	No Messages
245	IPE180	Beam	No Messages	0.007538	PMM	COMB2	0.48125	No Messages	No Messages
246	IPE180	Beam	No Messages	0.219072	PMM	COMB2	0	No Messages	No Messages
247	IPE180	Beam	No Messages	0.001676	PMM	COMB2	0.9625	No Messages	No Messages
248	IPE180	Beam	No Messages	0.08314	PMM	COMB2	0.48125	No Messages	No Messages
249	IPE180	Beam	No Messages	0.086132	PMM	COMB2	0	No Messages	No Messages
250	IPE180	Beam	No Messages	0.143439	PMM	COMB2	0.48125	No Messages	No Messages
251	IPE180	Beam	No Messages	0.151605	PMM	COMB2	0	No Messages	No Messages
252	IPE180	Beam	No Messages	0.191824	PMM	COMB2	0.48125	No Messages	No Messages
253	IPE180	Beam	No Messages	0.194666	PMM	COMB2	0	No Messages	No Messages
254	IPE180	Beam	No Messages	0.00094	PMM	COMB2	0	No Messages	No Messages
255	IPE180	Beam	No Messages	0.002431	PMM	COMB2	0.48125	No Messages	No Messages
256	IPE180	Beam	No Messages	0.137106	PMM	COMB2	0.48125	No Messages	No Messages
257	IPE180	Beam	No Messages	0.13634	PMM	COMB2	0	No Messages	No Messages
258	IPE180	Beam	No Messages	0.193898	PMM	COMB2	0.48125	No Messages	No Messages
259	IPE180	Beam	No Messages	0.193421	PMM	COMB2	0	No Messages	No Messages
260	IPE180	Beam	No Messages	0.000883	PMM	COMB2	0	No Messages	No Messages
261	IPE180	Beam	No Messages	0.002418	PMM	COMB2	0.48125	No Messages	No Messages
262	IPE180	Beam	No Messages	0.138909	PMM	COMB2	0.48125	No Messages	No Messages
263	IPE180	Beam	No Messages	0.138081	PMM	COMB2	0	No Messages	No Messages
264	IPE180	Beam	No Messages	0.195928	PMM	COMB2	0.48125	No Messages	No Messages
265	IPE180	Beam	No Messages	0.195488	PMM	COMB2	0	No Messages	No Messages
266	IPE180	Beam	No Messages	0.001791	PMM	COMB2	0	No Messages	No Messages
267	IPE180	Beam	No Messages	0.084086	PMM	COMB2	0.48125	No Messages	No Messages
268	IPE180	Beam	No Messages	0.082966	PMM	COMB2	0	No Messages	No Messages
269	IPE180	Beam	No Messages	0.150102	PMM	COMB2	0.48125	No Messages	No Messages
270	IPE180	Beam	No Messages	0.143429	PMM	COMB2	0	No Messages	No Messages
271	IPE180	Beam	No Messages	0.194758	PMM	COMB2	0.48125	No Messages	No Messages
272	IPE180	Beam	No Messages	0.191751	PMM	COMB2	0	No Messages	No Messages
273	IPE180	Beam	No Messages	0.002345	PMM	COMB2	0	No Messages	No Messages
274	IPE180	Beam	No Messages	0.00102	PMM	COMB2	0.48125	No Messages	No Messages
275	IPE180	Beam	No Messages	0.136146	PMM	COMB2	0.48125	No Messages	No Messages
276	IPE180	Beam	No Messages	0.137059	PMM	COMB2	0	No Messages	No Messages
277	IPE180	Beam	No Messages	0.193355	PMM	COMB2	0.48125	No Messages	No Messages
278	IPE180	Beam	No Messages	0.193766	PMM	COMB2	0	No Messages	No Messages
279	IPE180	Beam	No Messages	0.002331	PMM	COMB2	0	No Messages	No Messages
280	IPE180	Beam	No Messages	0.000992	PMM	COMB2	0.48125	No Messages	No Messages
281	IPE180	Beam	No Messages	0.136076	PMM	COMB2	0.48125	No Messages	No Messages
282	IPE180	Beam	No Messages	0.13877	PMM	COMB2	0	No Messages	No Messages
283	IPE180	Beam	No Messages	0.194044	PMM	COMB2	0.48125	No Messages	No Messages
284	IPE180	Beam	No Messages	0.195618	PMM	COMB2	0	No Messages	No Messages
285	IPE180	Beam	No Messages	0.005249	PMM	COMB2	0.48125	No Messages	No Messages
286	IPE180	Beam	No Messages	0.096273	PMM	COMB2	0	No Messages	No Messages
5	IPE180	Beam	No Messages	0.001053	PMM	COMB2	0.48125	No Messages	No Messages
10	IPE180	Beam	No Messages	0.00101	PMM	COMB2	0.48125	No Messages	No Messages
15	IPE180	Beam	No Messages	0.001004	PMM	COMB2	0.48125	No Messages	No Messages
20	IPE180	Beam	No Messages	0.000893	PMM	COMB2	0.48125	No Messages	No Messages
25	IPE180	Beam	No Messages	0.001003	PMM	COMB2	0.48125	No Messages	No Messages
30	IPE180	Beam	No Messages	0.00103	PMM	COMB2	0.48125	No Messages	No Messages
40	IPE180	Beam	No Messages	0.002019	PMM	COMB2	0.9625	No Messages	No Messages
45	IPE180	Beam	No Messages	0.002025	PMM	COMB2	0	No Messages	No Messages
287	IPE180	Beam	No Messages	0.001689	PMM	COMB2	0	No Messages	No Messages
288	IPE180	Beam	No Messages	0.001636	PMM	COMB2	0.9625	No Messages	No Messages
289	IPE180	Beam	No Messages	0.001785	PMM	COMB2	0.48125	No Messages	No Messages
290	IPE180	Beam	No Messages	0.001642	PMM	COMB2	0.9625	No Messages	No Messages
291	IPE180	Beam	No Messages	0.001768	PMM	COMB2	0	No Messages	No Messages
292	IPE180	Beam	No Messages	0.001731	PMM	COMB2	0.9625	No Messages	No Messages
293	IPE180	Beam	No Messages	0.00179	PMM	COMB2	0.9625	No Messages	No Messages
294	IPE180	Beam	No Messages	0.001729	PMM	COMB2	0.48125	No Messages	No Messages
295	IPE180	Beam	No Messages	0.001791	PMM	COMB2	0.9625	No Messages	No Messages
296	IPE180	Beam	No Messages	0.001828	PMM	COMB2	0.9625	No Messages	No Messages
297	IPE180	Beam	No Messages	0.00175	PMM	COMB2	0	No Messages	No Messages
298	IPE180	Beam	No Messages	0.001769	PMM	COMB2	0.9625	No Messages	No Messages

299	IPE180	Beam	No Messages	0.001764	PMM	COMB2	0	No Messages	No Messages
300	IPE180	Beam	No Messages	0.001802	PMM	COMB2	0	No Messages	No Messages
301	IPE180	Beam	No Messages	0.001989	PMM	COMB2	0.9625	No Messages	No Messages
35	PL75x7,9	Column	No Messages	0.232913	PMM	COMB2	0	No Messages	No Messages
302	PL75x7,9	Column	No Messages	0.203486	PMM	COMB2	1.05	No Messages	No Messages
303	PL75x7,9	Column	No Messages	0.679014	PMM	COMB2	0	No Messages	No Messages
304	PL75x7,9	Column	No Messages	0.516402	PMM	COMB2	0	No Messages	No Messages
305	PL75x7,9	Column	No Messages	0.516462	PMM	COMB2	0	No Messages	No Messages
306	PL75x7,9	Column	No Messages	0.678399	PMM	COMB2	0	No Messages	No Messages
307	PL75x7,9	Column	No Messages	0.209356	PMM	COMB2	0.35	No Messages	No Messages
308	PL75x7,9	Column	No Messages	0.210614	PMM	COMB2	1.05	No Messages	No Messages
309	PL75x7,9	Column	No Messages	0.086765	PMM	COMB2	0	No Messages	No Messages
310	PL75x7,9	Column	No Messages	0.134464	PMM	COMB2	0	No Messages	No Messages
311	PL75x7,9	Column	No Messages	0.512623	PMM	COMB2	0	No Messages	No Messages
312	PL75x7,9	Column	No Messages	0.207152	PMM	COMB2	0	No Messages	No Messages
313	PL75x7,9	Column	No Messages	0.089455	PMM	COMB2	0	No Messages	No Messages
314	PL75x7,9	Column	No Messages	0.136778	PMM	COMB2	0	No Messages	No Messages
315	PL75x7,9	Column	No Messages	0.256413	PMM	COMB2	0	No Messages	No Messages
316	PL75x7,9	Column	No Messages	0.22474	PMM	COMB2	0	No Messages	No Messages
337	T38x2mm	Beam	No Messages	0.95002	PMM	COMB2	0	No Messages	No Messages
338	T38x2mm	Beam	No Messages	0.480433	PMM	COMB2	0.875	No Messages	No Messages
339	T38x2mm	Beam	No Messages	0.348043	PMM	COMB2	0.25	No Messages	No Messages
340	T38x2mm	Beam	No Messages	0.186423	PMM	COMB2	1	No Messages	No Messages
341	T38x2mm	Beam	No Messages	0.251459	PMM	COMB2	1	No Messages	No Messages
342	T38x2mm	Beam	No Messages	0.560026	PMM	COMB2	0.5	No Messages	No Messages
343	T38x2mm	Beam	No Messages	0.905083	PMM	COMB2	0	No Messages	No Messages
344	T38x2mm	Beam	No Messages	0.517461	PMM	COMB2	0.875	No Messages	No Messages
345	T38x2mm	Beam	No Messages	0.393207	PMM	COMB2	0.25	No Messages	No Messages
346	T38x2mm	Beam	No Messages	0.231015	PMM	COMB2	0	No Messages	No Messages
347	T38x2mm	Beam	No Messages	0.425482	PMM	COMB2	1	No Messages	No Messages
348	T38x2mm	Beam	No Messages	0.618392	PMM	COMB2	0.25	No Messages	No Messages
351	T38x2mm	Beam	No Messages	1.075137	PMM	COMB2	1.21875	No Messages	No Messages
352	T38x2mm	Beam	No Messages	1.105082	PMM	COMB2	1.21875	No Messages	No Messages
355	T38x2mm	Beam	No Messages	0.372251	PMM	COMB2	0	No Messages	No Messages
356	T38x2mm	Beam	No Messages	0.591348	PMM	COMB2	0	No Messages	No Messages
357	T38x2mm	Beam	No Messages	0.150734	PMM	COMB2	0.5	No Messages	No Messages
358	T38x2mm	Beam	No Messages	0.107388	PMM	COMB2	1	No Messages	No Messages
359	T38x2mm	Beam	No Messages	0.112187	PMM	COMB2	0	No Messages	No Messages
360	T38x2mm	Beam	No Messages	0.163928	PMM	COMB2	0.625	No Messages	No Messages
361	T38x2mm	Beam	No Messages	0.147741	PMM	COMB2	0.25	No Messages	No Messages
362	T38x2mm	Beam	No Messages	0.497994	PMM	COMB2	1	No Messages	No Messages
363	T38x2mm	Beam	No Messages	0.49806	PMM	COMB2	0	No Messages	No Messages
364	T38x2mm	Beam	No Messages	0.148156	PMM	COMB2	0.75	No Messages	No Messages
365	T38x2mm	Beam	No Messages	0.164058	PMM	COMB2	0.375	No Messages	No Messages
366	T38x2mm	Beam	No Messages	0.110501	PMM	COMB2	1	No Messages	No Messages
367	T38x2mm	Beam	No Messages	0.452118	PMM	COMB2	0	No Messages	No Messages
368	T38x2mm	Beam	No Messages	0.347822	PMM	COMB2	1	No Messages	No Messages
369	T38x2mm	Beam	No Messages	0.308686	PMM	COMB2	0	No Messages	No Messages
370	T38x2mm	Beam	No Messages	0.386879	PMM	COMB2	0.625	No Messages	No Messages
371	T38x2mm	Beam	No Messages	0.403361	PMM	COMB2	0.625	No Messages	No Messages
372	T38x2mm	Beam	No Messages	0.311701	PMM	COMB2	1	No Messages	No Messages
373	T38x2mm	Beam	No Messages	0.311732	PMM	COMB2	0	No Messages	No Messages
374	T38x2mm	Beam	No Messages	0.403018	PMM	COMB2	0.375	No Messages	No Messages
375	T38x2mm	Beam	No Messages	0.386148	PMM	COMB2	0.375	No Messages	No Messages
376	T38x2mm	Beam	No Messages	0.308295	PMM	COMB2	1	No Messages	No Messages
377	T38x2mm	Beam	No Messages	0.105677	PMM	COMB2	0	No Messages	No Messages
378	T38x2mm	Beam	No Messages	0.150732	PMM	COMB2	0.5	No Messages	No Messages
380	T38x2mm	Beam	No Messages	0.347919	PMM	COMB2	0	No Messages	No Messages
381	T38x2mm	Beam	No Messages	0.452127	PMM	COMB2	1	No Messages	No Messages
383	T38x2mm	Beam	No Messages	0.373391	PMM	COMB2	1.2175	No Messages	No Messages
384	T38x2mm	Beam	No Messages	0.590935	PMM	COMB2	1.2175	No Messages	No Messages
385	T38x2mm	Beam	No Messages	0.940042	PMM	COMB2	0	No Messages	No Messages
386	T38x2mm	Beam	No Messages	1.095033	PMM	COMB2	0	No Messages	No Messages
397	T38x2mm	Beam	No Messages	0.526195	PMM	COMB2	0.375	No Messages	No Messages
398	T38x2mm	Beam	No Messages	0.278841	PMM	COMB2	1	No Messages	No Messages
399	T38x2mm	Beam	No Messages	0.256323	PMM	COMB2	0	No Messages	No Messages

400	T38x2mm	Beam	No Messages	0.358122	PMM	COMB2	0.875	No Messages	No Messages
401	T38x2mm	Beam	No Messages	0.453229	PMM	COMB2	0.25	No Messages	No Messages
402	T38x2mm	Beam	No Messages	0.602522	PMM	COMB2	0.75	No Messages	No Messages
403	T38x2mm	Beam	No Messages	0.402359	PMM	COMB2	0	No Messages	No Messages
404	T38x2mm	Beam	No Messages	0.215518	PMM	COMB2	1	No Messages	No Messages
405	T38x2mm	Beam	No Messages	0.372769	PMM	COMB2	0.75	No Messages	No Messages
406	T38x2mm	Beam	No Messages	0.477208	PMM	COMB2	0.125	No Messages	No Messages
407	T38x2mm	Beam	No Messages	0.814683	PMM	COMB2	0.99875	No Messages	No Messages
408	T38x2mm	Beam	No Messages	0.916962	PMM	COMB2	0.99875	No Messages	No Messages
509	PL75x7,9	Column	No Messages	0.12234	PMM	COMB2	0.35	No Messages	No Messages
510	PL75x7,9	Column	No Messages	0.167109	PMM	COMB2	0.35	No Messages	No Messages
511	PL75x7,9	Column	No Messages	0.199548	PMM	COMB2	1.05	No Messages	No Messages
512	PL75x7,9	Column	No Messages	0.871199	PMM	COMB2	1.05	No Messages	No Messages
513	PL75x7,9	Column	No Messages	0.120922	PMM	COMB2	0.35	No Messages	No Messages
514	PL75x7,9	Column	No Messages	0.134737	PMM	COMB2	0.35	No Messages	No Messages
515	PL75x7,9	Column	No Messages	0.20871	PMM	COMB2	0.7	No Messages	No Messages
516	PL75x7,9	Column	No Messages	0.245288	PMM	COMB2	0.7	No Messages	No Messages
517	PL75x7,9	Column	No Messages	0.285934	PMM	COMB2	1.05	No Messages	No Messages
518	PL75x7,9	Column	No Messages	0.921195	PMM	COMB2	1.05	No Messages	No Messages
519	PL75x7,9	Column	No Messages	0.215124	PMM	COMB2	1.05	No Messages	No Messages
520	PL75x7,9	Column	No Messages	0.173116	PMM	COMB2	0.7	No Messages	No Messages
521	PL75x7,9	Column	No Messages	0.04098	PMM	COMB2	0.7	No Messages	No Messages
522	PL75x7,9	Column	No Messages	0.02294	PMM	COMB2	0	No Messages	No Messages
523	PL75x7,9	Column	No Messages	0.058766	PMM	COMB2	0.7	No Messages	No Messages
524	PL75x7,9	Column	No Messages	0.428188	PMM	COMB2	1.05	No Messages	No Messages
525	PL75x7,9	Column	No Messages	0.115479	PMM	COMB2	1.05	No Messages	No Messages
526	PL75x7,9	Column	No Messages	0.032555	PMM	COMB2	0	No Messages	No Messages
527	PL75x7,9	Column	No Messages	0.111216	PMM	COMB2	0.35	No Messages	No Messages
528	PL75x7,9	Column	No Messages	1.061858	PMM	COMB2	1.05	No Messages	No Messages
529	PL75x7,9	Column	No Messages	0.110997	PMM	COMB2	0.35	No Messages	No Messages
530	PL75x7,9	Column	No Messages	0.03276	PMM	COMB2	0	No Messages	No Messages
531	PL75x7,9	Column	No Messages	0.116734	PMM	COMB2	1.05	No Messages	No Messages
532	PL75x7,9	Column	No Messages	0.424788	PMM	COMB2	1.05	No Messages	No Messages
533	PL75x7,9	Column	No Messages	0.034254	PMM	COMB2	0	No Messages	No Messages
534	PL75x7,9	Column	No Messages	0.0469	PMM	COMB2	1.05	No Messages	No Messages
535	PL75x7,9	Column	No Messages	0.032832	PMM	COMB1	1.05	No Messages	No Messages
536	PL75x7,9	Column	No Messages	0.005252	PMM	COMB1	0.7	No Messages	No Messages
537	PL75x7,9	Column	No Messages	0.037241	PMM	COMB1	0	No Messages	No Messages
538	PL75x7,9	Column	No Messages	0.036568	PMM	COMB1	1.05	No Messages	No Messages
539	PL75x7,9	Column	No Messages	0.037147	PMM	COMB1	0	No Messages	No Messages
540	PL75x7,9	Column	No Messages	0.007027	PMM	COMB1	0.7	No Messages	No Messages
541	PL75x7,9	Column	No Messages	0.035716	PMM	COMB1	1.05	No Messages	No Messages
542	PL75x7,9	Column	No Messages	0.044399	PMM	COMB2	1.05	No Messages	No Messages
543	PL75x7,9	Column	No Messages	0.058508	PMM	COMB2	0.7	No Messages	No Messages
544	PL75x7,9	Column	No Messages	0.041194	PMM	COMB2	0.7	No Messages	No Messages
545	PL75x7,9	Column	No Messages	0.034179	PMM	COMB2	0	No Messages	No Messages
546	PL75x7,9	Column	No Messages	0.022855	PMM	COMB2	0	No Messages	No Messages
547	PL75x7,9	Column	No Messages	0.195102	PMM	COMB2	0.7	No Messages	No Messages
548	PL75x7,9	Column	No Messages	0.193077	PMM	COMB2	0.7	No Messages	No Messages
549	PL75x7,9	Column	No Messages	0.182948	PMM	COMB2	1.05	No Messages	No Messages
550	PL75x7,9	Column	No Messages	0.747171	PMM	COMB2	1.05	No Messages	No Messages
551	PL75x7,9	Column	No Messages	0.238877	PMM	COMB2	1.05	No Messages	No Messages
552	PL75x7,9	Column	No Messages	0.232113	PMM	COMB2	0.7	No Messages	No Messages
553	PL75x7,9	Column	No Messages	0.200729	PMM	COMB2	0.7	No Messages	No Messages
554	PL75x7,9	Column	No Messages	0.235226	PMM	COMB2	1.05	No Messages	No Messages
555	PL75x7,9	Column	No Messages	0.942613	PMM	COMB2	1.05	No Messages	No Messages
556	PL75x7,9	Column	No Messages	0.305146	PMM	COMB2	1.05	No Messages	No Messages
557	PL75x7,9	Column	No Messages	0.264288	PMM	COMB2	0.7	No Messages	No Messages
558	PL75x7,9	Column	No Messages	0.224827	PMM	COMB2	0.7	No Messages	No Messages
565	T38x2mm	Beam	No Messages	0.117878	PMM	COMB2	0	No Messages	No Messages
566	T38x2mm	Beam	No Messages	0.147094	PMM	COMB2	1	No Messages	No Messages
568	T38x2mm	Beam	No Messages	0.638152	PMM	COMB2	0	No Messages	No Messages
569	T38x2mm	Beam	No Messages	0.273025	PMM	COMB2	0.875	No Messages	No Messages
571	T38x2mm	Beam	No Messages	0.208686	PMM	COMB2	0.42292	No Messages	No Messages
572	T38x2mm	Beam	No Messages	0.287382	PMM	COMB2	0.42292	No Messages	No Messages
573	PL75x7,9	Column	No Messages	0.075773	PMM	COMB2	1.05	No Messages	No Messages

574	PL75x7,9	Column	No Messages	0.206825	PMM	COMB2	0.7	No Messages	No Messages
575	PL75x7,9	Column	No Messages	0.182546	PMM	COMB2	0.35	No Messages	No Messages
576	PL75x7,9	Column	No Messages	0.32127	PMM	COMB2	0.35	No Messages	No Messages
577	T38x2mm	Beam	No Messages	0.634866	PMM	COMB2	0	No Messages	No Messages
578	T38x2mm	Beam	No Messages	0.272489	PMM	COMB2	0.875	No Messages	No Messages
579	T38x2mm	Beam	No Messages	0.117916	PMM	COMB2	0	No Messages	No Messages
580	T38x2mm	Beam	No Messages	0.147152	PMM	COMB2	1	No Messages	No Messages
581	T38x2mm	Beam	No Messages	0.287111	PMM	COMB2	0.42292	No Messages	No Messages
582	T38x2mm	Beam	No Messages	0.208718	PMM	COMB2	0.42292	No Messages	No Messages
583	PL75x7,9	Column	No Messages	0.182525	PMM	COMB2	0.35	No Messages	No Messages
584	PL75x7,9	Column	No Messages	0.320515	PMM	COMB2	0.35	No Messages	No Messages
585	PL75x7,9	Column	No Messages	0.075712	PMM	COMB2	1.05	No Messages	No Messages
586	PL75x7,9	Column	No Messages	0.206838	PMM	COMB2	0.7	No Messages	No Messages
587	PL75x7,9	Column	No Messages	0.390684	PMM	COMB2	0.35	No Messages	No Messages
588	PL75x7,9	Column	No Messages	0.118019	PMM	COMB2	1.05	No Messages	No Messages
589	PL75x7,9	Column	No Messages	0.738022	PMM	COMB2	0	No Messages	No Messages
590	PL75x7,9	Column	No Messages	0.568075	PMM	COMB2	0	No Messages	No Messages
591	PL75x7,9	Column	No Messages	0.694681	PMM	COMB2	0	No Messages	No Messages
592	PL75x7,9	Column	No Messages	0.548792	PMM	COMB2	0	No Messages	No Messages
593	PL75x7,9	Column	No Messages	0.697956	PMM	COMB2	0	No Messages	No Messages
594	PL75x7,9	Column	No Messages	0.51893	PMM	COMB2	0	No Messages	No Messages
595	PL75x7,9	Column	No Messages	0.694855	PMM	COMB2	0	No Messages	No Messages
596	PL75x7,9	Column	No Messages	0.54875	PMM	COMB2	0	No Messages	No Messages
597	PL75x7,9	Column	No Messages	0.74141	PMM	COMB2	0	No Messages	No Messages
598	PL75x7,9	Column	No Messages	0.564871	PMM	COMB2	0	No Messages	No Messages
599	PL75x7,9	Column	No Messages	0.397216	PMM	COMB2	0.35	No Messages	No Messages
600	PL75x7,9	Column	No Messages	0.14109	PMM	COMB2	1.05	No Messages	No Messages
601	PL75x7,9	Column	No Messages	0.212857	PMM	COMB2	0	No Messages	No Messages
602	PL75x7,9	Column	No Messages	0.522925	PMM	COMB2	0	No Messages	No Messages
603	PL75x7,9	Column	No Messages	0.193478	PMM	COMB2	0	No Messages	No Messages
604	PL75x7,9	Column	No Messages	0.655695	PMM	COMB2	0	No Messages	No Messages
605	PL75x7,9	Column	No Messages	0.567163	PMM	COMB2	0	No Messages	No Messages
606	PL75x7,9	Column	No Messages	0.261829	PMM	COMB2	0	No Messages	No Messages
607	PL75x7,9	Column	No Messages	0.142918	PMM	COMB2	0	No Messages	No Messages
608	PL75x7,9	Column	No Messages	0.596212	PMM	COMB2	0	No Messages	No Messages
609	PL75x7,9	Column	No Messages	0.059058	PMM	COMB2	0.35	No Messages	No Messages
610	PL75x7,9	Column	No Messages	0.431567	PMM	COMB2	0	No Messages	No Messages
611	PL75x7,9	Column	No Messages	0.353894	PMM	COMB2	0	No Messages	No Messages
612	PL75x7,9	Column	No Messages	0.224625	PMM	COMB2	0	No Messages	No Messages
613	PL75x7,9	Column	No Messages	0.068584	PMM	COMB2	0.35	No Messages	No Messages
614	PL75x7,9	Column	No Messages	0.404346	PMM	COMB2	0	No Messages	No Messages
615	PL75x7,9	Column	No Messages	0.13804	PMM	COMB2	0	No Messages	No Messages
616	PL75x7,9	Column	No Messages	0.629113	PMM	COMB2	0	No Messages	No Messages
617	PL75x7,9	Column	No Messages	0.23996	PMM	COMB2	0	No Messages	No Messages
618	PL75x7,9	Column	No Messages	0.330135	PMM	COMB2	0	No Messages	No Messages
619	PL75x7,9	Column	No Messages	0.109575	PMM	COMB2	0	No Messages	No Messages
620	PL75x7,9	Column	No Messages	0.644126	PMM	COMB2	0	No Messages	No Messages
621	PL75x7,9	Column	No Messages	0.144876	PMM	COMB2	0	No Messages	No Messages
622	PL75x7,9	Column	No Messages	0.649826	PMM	COMB2	0	No Messages	No Messages
623	PL75x7,9	Column	No Messages	0.296857	PMM	COMB2	0	No Messages	No Messages
624	PL75x7,9	Column	No Messages	0.344721	PMM	COMB2	0	No Messages	No Messages
625	PL75x7,9	Column	No Messages	0.144565	PMM	COMB2	0	No Messages	No Messages
626	PL75x7,9	Column	No Messages	0.650147	PMM	COMB2	0	No Messages	No Messages
627	PL75x7,9	Column	No Messages	0.109403	PMM	COMB2	0	No Messages	No Messages
628	PL75x7,9	Column	No Messages	0.643806	PMM	COMB2	0	No Messages	No Messages
629	PL75x7,9	Column	No Messages	0.344715	PMM	COMB2	0	No Messages	No Messages
630	PL75x7,9	Column	No Messages	0.296877	PMM	COMB2	0	No Messages	No Messages
631	PL75x7,9	Column	No Messages	0.137827	PMM	COMB2	0	No Messages	No Messages
632	PL75x7,9	Column	No Messages	0.629247	PMM	COMB2	0	No Messages	No Messages
633	PL75x7,9	Column	No Messages	0.06875	PMM	COMB2	0.35	No Messages	No Messages
634	PL75x7,9	Column	No Messages	0.404275	PMM	COMB2	0	No Messages	No Messages
635	PL75x7,9	Column	No Messages	0.330149	PMM	COMB2	0	No Messages	No Messages
636	PL75x7,9	Column	No Messages	0.240118	PMM	COMB2	0	No Messages	No Messages
637	PL75x7,9	Column	No Messages	0.058321	PMM	COMB2	0.35	No Messages	No Messages
638	PL75x7,9	Column	No Messages	0.26634	PMM	COMB2	0	No Messages	No Messages
639	PL75x7,9	Column	No Messages	0.143388	PMM	COMB2	0	No Messages	No Messages

640	PL75x7,9	Column	No Messages	0.668898	PMM	COMB2	0	No Messages	No Messages
641	PL75x7,9	Column	No Messages	0.224734	PMM	COMB2	0	No Messages	No Messages
642	PL75x7,9	Column	No Messages	0.355205	PMM	COMB2	0	No Messages	No Messages
643	PL75x7,9	Column	No Messages	0.198062	PMM	COMB2	0	No Messages	No Messages
644	PL75x7,9	Column	No Messages	0.623113	PMM	COMB2	0	No Messages	No Messages
645	PL75x7,9	Column	No Messages	0.216514	PMM	COMB2	0	No Messages	No Messages
646	PL75x7,9	Column	No Messages	0.560152	PMM	COMB2	0	No Messages	No Messages
647	PL75x7,9	Column	No Messages	0.259877	PMM	COMB2	0	No Messages	No Messages
648	PL75x7,9	Column	No Messages	0.574284	PMM	COMB2	0	No Messages	No Messages
649	PL75x7,9	Column	No Messages	0.257184	PMM	COMB2	0	No Messages	No Messages
650	PL75x7,9	Column	No Messages	0.186606	PMM	COMB2	0	No Messages	No Messages
651	PL75x7,9	Column	No Messages	0.239187	PMM	COMB2	1.05	No Messages	No Messages
652	PL75x7,9	Column	No Messages	0.212608	PMM	COMB2	0	No Messages	No Messages
653	PL75x7,9	Column	No Messages	0.238657	PMM	COMB2	1.05	No Messages	No Messages
654	PL75x7,9	Column	No Messages	0.212571	PMM	COMB2	0	No Messages	No Messages
655	PL75x7,9	Column	No Messages	0.506004	PMM	COMB2	0	No Messages	No Messages
656	PL75x7,9	Column	No Messages	0.188352	PMM	COMB2	0	No Messages	No Messages
657	T38x2mm	Beam	No Messages	0.745828	PMM	COMB2	0.9625	No Messages	No Messages
658	T38x2mm	Beam	No Messages	0.164709	PMM	COMB2	0.9625	No Messages	No Messages
659	T38x2mm	Beam	No Messages	0.179642	PMM	COMB2	0	No Messages	No Messages
660	T38x2mm	Beam	No Messages	0.099256	PMM	COMB2	0.8	No Messages	No Messages
661	T38x2mm	Beam	No Messages	0.072307	PMM	COMB2	0.9	No Messages	No Messages
664	T38x2mm	Beam	No Messages	0.243854	PMM	COMB2	0	No Messages	No Messages
665	T38x2mm	Beam	No Messages	0.163018	PMM	COMB2	0	No Messages	No Messages
666	T38x2mm	Beam	No Messages	0.096786	PMM	COMB2	0.45	No Messages	No Messages
667	T38x2mm	Beam	No Messages	0.078955	PMM	COMB2	0	No Messages	No Messages
668	T38x2mm	Beam	No Messages	0.184577	PMM	COMB2	0.99375	No Messages	No Messages
670	T38x2mm	Beam	No Messages	0.15506	PMM	COMB2	0	No Messages	No Messages
671	T38x2mm	Beam	No Messages	0.085943	PMM	COMB2	0	No Messages	No Messages
672	T38x2mm	Beam	No Messages	0.103775	PMM	COMB2	0.45	No Messages	No Messages
673	T38x2mm	Beam	No Messages	0.171433	PMM	COMB2	0.8	No Messages	No Messages
674	T38x2mm	Beam	No Messages	0.240463	PMM	COMB2	1.475	No Messages	No Messages
675	T38x2mm	Beam	No Messages	0.238284	PMM	COMB2	0	No Messages	No Messages
676	T38x2mm	Beam	No Messages	0.179677	PMM	COMB1	0	No Messages	No Messages
677	T38x2mm	Beam	No Messages	0.250803	PMM	COMB1	0.45	No Messages	No Messages
678	T38x2mm	Beam	No Messages	0.168088	PMM	COMB1	1.475	No Messages	No Messages
679	T38x2mm	Beam	No Messages	0.15412	PMM	COMB1	0	No Messages	No Messages
680	T38x2mm	Beam	No Messages	0.122317	PMM	COMB1	0	No Messages	No Messages
681	T38x2mm	Beam	No Messages	0.15308	PMM	COMB2	0.99375	No Messages	No Messages
682	T38x2mm	Beam	No Messages	0.717594	PMM	COMB2	0.9625	No Messages	No Messages
683	T38x2mm	Beam	No Messages	0.402143	PMM	COMB2	0	No Messages	No Messages
684	T38x2mm	Beam	No Messages	0.417886	PMM	COMB1	0	No Messages	No Messages
685	T38x2mm	Beam	No Messages	0.542269	PMM	COMB1	0.9	No Messages	No Messages
686	T38x2mm	Beam	No Messages	0.484888	PMM	COMB1	1.475	No Messages	No Messages
687	T38x2mm	Beam	No Messages	0.533813	PMM	COMB1	0	No Messages	No Messages
688	T38x2mm	Beam	No Messages	0.655483	PMM	COMB1	0.45	No Messages	No Messages
689	T38x2mm	Beam	No Messages	0.535519	PMM	COMB1	1.475	No Messages	No Messages
690	T38x2mm	Beam	No Messages	0.535549	PMM	COMB1	0	No Messages	No Messages
691	T38x2mm	Beam	No Messages	0.655198	PMM	COMB1	0.45	No Messages	No Messages
692	T38x2mm	Beam	No Messages	0.533219	PMM	COMB1	1.475	No Messages	No Messages
693	T38x2mm	Beam	No Messages	0.484294	PMM	COMB1	0	No Messages	No Messages
694	T38x2mm	Beam	No Messages	0.541398	PMM	COMB1	0	No Messages	No Messages
695	T38x2mm	Beam	No Messages	0.416857	PMM	COMB1	0.99375	No Messages	No Messages
696	T38x2mm	Beam	No Messages	0.403472	PMM	COMB2	0.9625	No Messages	No Messages
697	T38x2mm	Beam	No Messages	0.581447	PMM	COMB2	0	No Messages	No Messages
698	T38x2mm	Beam	No Messages	0.057131	PMM	COMB1	0	No Messages	No Messages
699	T38x2mm	Beam	No Messages	0.114779	PMM	COMB2	0.9	No Messages	No Messages
700	T38x2mm	Beam	No Messages	0.122922	PMM	COMB1	1.475	No Messages	No Messages
701	T38x2mm	Beam	No Messages	0.148279	PMM	COMB2	1.475	No Messages	No Messages
702	T38x2mm	Beam	No Messages	0.133942	PMM	COMB1	0.45	No Messages	No Messages
703	T38x2mm	Beam	No Messages	0.159936	PMM	COMB1	1.475	No Messages	No Messages
704	T38x2mm	Beam	No Messages	0.150587	PMM	COMB2	0.9625	No Messages	No Messages
705	T38x2mm	Beam	No Messages	0.166739	PMM	COMB2	0	No Messages	No Messages
706	T38x2mm	Beam	No Messages	0.097131	PMM	COMB2	0.8	No Messages	No Messages
707	T38x2mm	Beam	No Messages	0.070616	PMM	COMB2	0.9	No Messages	No Messages
708	T38x2mm	Beam	No Messages	0.127486	PMM	COMB2	0.8	No Messages	No Messages

709	T38x2mm	Beam	No Messages	0.235929	PMM	COMB2	1.475	No Messages	No Messages
710	T38x2mm	Beam	No Messages	0.243094	PMM	COMB2	0	No Messages	No Messages
711	T38x2mm	Beam	No Messages	0.164211	PMM	COMB2	0	No Messages	No Messages
712	T38x2mm	Beam	No Messages	0.096467	PMM	COMB2	0.45	No Messages	No Messages
714	T38x2mm	Beam	No Messages	0.078927	PMM	COMB2	0	No Messages	No Messages
715	T38x2mm	Beam	No Messages	0.183456	PMM	COMB2	0.99375	No Messages	No Messages
716	T38x2mm	Beam	No Messages	0.155124	PMM	COMB2	0	No Messages	No Messages
717	T38x2mm	Beam	No Messages	0.085887	PMM	COMB2	0	No Messages	No Messages
718	T38x2mm	Beam	No Messages	0.103802	PMM	COMB2	0.45	No Messages	No Messages
719	T38x2mm	Beam	No Messages	0.171486	PMM	COMB2	0.8	No Messages	No Messages
720	T38x2mm	Beam	No Messages	0.240457	PMM	COMB2	1.475	No Messages	No Messages
721	T38x2mm	Beam	No Messages	0.238336	PMM	COMB2	0	No Messages	No Messages
722	T38x2mm	Beam	No Messages	0.154429	PMM	COMB2	0	No Messages	No Messages
723	T38x2mm	Beam	No Messages	0.070551	PMM	COMB2	0.45	No Messages	No Messages
724	T38x2mm	Beam	No Messages	0.147962	PMM	COMB2	0.8	No Messages	No Messages
725	T38x2mm	Beam	No Messages	0.274328	PMM	COMB2	1.475	No Messages	No Messages
726	T38x2mm	Beam	No Messages	0.274354	PMM	COMB2	0	No Messages	No Messages
727	T38x2mm	Beam	No Messages	0.147885	PMM	COMB2	0	No Messages	No Messages
728	T38x2mm	Beam	No Messages	0.070547	PMM	COMB2	0.45	No Messages	No Messages
729	T38x2mm	Beam	No Messages	0.154492	PMM	COMB2	0.8	No Messages	No Messages
730	T38x2mm	Beam	No Messages	0.125953	PMM	COMB2	0.8	No Messages	No Messages
731	T38x2mm	Beam	No Messages	0.236355	PMM	COMB2	1.475	No Messages	No Messages
732	T38x2mm	Beam	No Messages	0.717999	PMM	COMB2	0	No Messages	No Messages
733	PL75x7,9	Column	No Messages	0.425433	PMM	COMB2	0.35	No Messages	No Messages
734	PL75x7,9	Column	No Messages	0.239516	PMM	COMB2	0	No Messages	No Messages
735	PL75x7,9	Column	No Messages	0.748758	PMM	COMB2	0	No Messages	No Messages
736	PL75x7,9	Column	No Messages	0.717055	PMM	COMB2	0	No Messages	No Messages
737	PL75x7,9	Column	No Messages	0.694241	PMM	COMB2	0	No Messages	No Messages
738	PL75x7,9	Column	No Messages	0.549145	PMM	COMB2	0	No Messages	No Messages
739	PL75x7,9	Column	No Messages	0.697952	PMM	COMB2	0	No Messages	No Messages
740	PL75x7,9	Column	No Messages	0.518846	PMM	COMB2	0	No Messages	No Messages
741	PL75x7,9	Column	No Messages	0.694417	PMM	COMB2	0	No Messages	No Messages
742	PL75x7,9	Column	No Messages	0.549183	PMM	COMB2	0	No Messages	No Messages
743	PL75x7,9	Column	No Messages	0.748536	PMM	COMB2	0	No Messages	No Messages
744	PL75x7,9	Column	No Messages	0.717026	PMM	COMB2	0	No Messages	No Messages
745	PL75x7,9	Column	No Messages	0.425276	PMM	COMB2	0.35	No Messages	No Messages
746	PL75x7,9	Column	No Messages	0.239526	PMM	COMB2	0	No Messages	No Messages
747	PL75x7,9	Column	No Messages	0.231331	PMM	COMB2	0	No Messages	No Messages
748	PL75x7,9	Column	No Messages	0.73926	PMM	COMB2	0	No Messages	No Messages
749	PL75x7,9	Column	No Messages	0.217407	PMM	COMB2	0	No Messages	No Messages
750	PL75x7,9	Column	No Messages	0.718773	PMM	COMB2	0	No Messages	No Messages
751	PL75x7,9	Column	No Messages	0.605475	PMM	COMB2	0	No Messages	No Messages
752	PL75x7,9	Column	No Messages	0.250667	PMM	COMB2	0	No Messages	No Messages
753	PL75x7,9	Column	No Messages	0.145902	PMM	COMB2	0	No Messages	No Messages
754	PL75x7,9	Column	No Messages	0.780412	PMM	COMB2	0	No Messages	No Messages
755	PL75x7,9	Column	No Messages	0.056447	PMM	COMB2	0.35	No Messages	No Messages
756	PL75x7,9	Column	No Messages	0.476102	PMM	COMB2	0	No Messages	No Messages
757	PL75x7,9	Column	No Messages	0.360828	PMM	COMB2	0	No Messages	No Messages
758	PL75x7,9	Column	No Messages	0.224674	PMM	COMB2	0	No Messages	No Messages
759	PL75x7,9	Column	No Messages	0.068666	PMM	COMB2	0.35	No Messages	No Messages
760	PL75x7,9	Column	No Messages	0.426709	PMM	COMB2	0	No Messages	No Messages
761	PL75x7,9	Column	No Messages	0.13821	PMM	COMB2	0	No Messages	No Messages
762	PL75x7,9	Column	No Messages	0.607042	PMM	COMB2	0	No Messages	No Messages
763	PL75x7,9	Column	No Messages	0.2399	PMM	COMB2	0	No Messages	No Messages
764	PL75x7,9	Column	No Messages	0.330411	PMM	COMB2	0	No Messages	No Messages
765	PL75x7,9	Column	No Messages	0.109641	PMM	COMB2	0	No Messages	No Messages
766	PL75x7,9	Column	No Messages	0.645915	PMM	COMB2	0	No Messages	No Messages
767	PL75x7,9	Column	No Messages	0.144934	PMM	COMB2	0	No Messages	No Messages
768	PL75x7,9	Column	No Messages	0.648833	PMM	COMB2	0	No Messages	No Messages
769	PL75x7,9	Column	No Messages	0.296769	PMM	COMB2	0	No Messages	No Messages
770	PL75x7,9	Column	No Messages	0.344725	PMM	COMB2	0	No Messages	No Messages
771	PL75x7,9	Column	No Messages	0.144623	PMM	COMB2	0	No Messages	No Messages
772	PL75x7,9	Column	No Messages	0.649082	PMM	COMB2	0	No Messages	No Messages
773	PL75x7,9	Column	No Messages	0.109468	PMM	COMB2	0	No Messages	No Messages
774	PL75x7,9	Column	No Messages	0.645666	PMM	COMB2	0	No Messages	No Messages
775	PL75x7,9	Column	No Messages	0.34472	PMM	COMB2	0	No Messages	No Messages

776	PL75x7,9	Column	No Messages	0.29679	PMM	COMB2	0	No Messages	No Messages
777	PL75x7,9	Column	No Messages	0.137998	PMM	COMB2	0	No Messages	No Messages
778	PL75x7,9	Column	No Messages	0.607184	PMM	COMB2	0	No Messages	No Messages
779	PL75x7,9	Column	No Messages	0.068831	PMM	COMB2	0.35	No Messages	No Messages
780	PL75x7,9	Column	No Messages	0.426527	PMM	COMB2	0	No Messages	No Messages
781	PL75x7,9	Column	No Messages	0.330425	PMM	COMB2	0	No Messages	No Messages
782	PL75x7,9	Column	No Messages	0.24006	PMM	COMB2	0	No Messages	No Messages
783	PL75x7,9	Column	No Messages	0.056561	PMM	COMB2	0.35	No Messages	No Messages
784	PL75x7,9	Column	No Messages	0.47608	PMM	COMB2	0	No Messages	No Messages
785	PL75x7,9	Column	No Messages	0.145667	PMM	COMB2	0	No Messages	No Messages
786	PL75x7,9	Column	No Messages	0.780227	PMM	COMB2	0	No Messages	No Messages
787	PL75x7,9	Column	No Messages	0.223395	PMM	COMB2	0	No Messages	No Messages
788	PL75x7,9	Column	No Messages	0.360627	PMM	COMB2	0	No Messages	No Messages
789	PL75x7,9	Column	No Messages	0.217546	PMM	COMB2	0	No Messages	No Messages
790	PL75x7,9	Column	No Messages	0.718873	PMM	COMB2	0	No Messages	No Messages
791	PL75x7,9	Column	No Messages	0.231592	PMM	COMB2	0	No Messages	No Messages
792	PL75x7,9	Column	No Messages	0.738997	PMM	COMB2	0	No Messages	No Messages
793	PL75x7,9	Column	No Messages	0.250747	PMM	COMB2	0	No Messages	No Messages
794	PL75x7,9	Column	No Messages	0.605474	PMM	COMB2	0	No Messages	No Messages
795	PL75x7,9	Column	No Messages	0.136844	PMM	COMB2	0	No Messages	No Messages
796	PL75x7,9	Column	No Messages	0.185998	PMM	COMB2	0	No Messages	No Messages
797	PL75x7,9	Column	No Messages	0.093026	PMM	COMB2	1.05	No Messages	No Messages
798	PL75x7,9	Column	No Messages	0.21114	PMM	COMB2	0	No Messages	No Messages
799	PL75x7,9	Column	No Messages	0.093085	PMM	COMB2	1.05	No Messages	No Messages
800	PL75x7,9	Column	No Messages	0.211081	PMM	COMB2	0	No Messages	No Messages
801	PL75x7,9	Column	No Messages	0.135864	PMM	COMB2	0	No Messages	No Messages
802	PL75x7,9	Column	No Messages	0.185742	PMM	COMB2	0	No Messages	No Messages
803	T38x2mm	Beam	No Messages	0.215129	PMM	COMB2	0.9625	No Messages	No Messages
804	T38x2mm	Beam	No Messages	0.226533	PMM	COMB2	0	No Messages	No Messages
805	T38x2mm	Beam	No Messages	0.107672	PMM	COMB2	0.8	No Messages	No Messages
806	T38x2mm	Beam	No Messages	0.085774	PMM	COMB2	0	No Messages	No Messages
807	T38x2mm	Beam	No Messages	0.242866	PMM	COMB2	0	No Messages	No Messages
808	T38x2mm	Beam	No Messages	0.162843	PMM	COMB2	0	No Messages	No Messages
809	T38x2mm	Beam	No Messages	0.094883	PMM	COMB2	0.45	No Messages	No Messages
810	T38x2mm	Beam	No Messages	0.078163	PMM	COMB2	0	No Messages	No Messages
811	T38x2mm	Beam	No Messages	0.183042	PMM	COMB2	0.99375	No Messages	No Messages
812	T38x2mm	Beam	No Messages	0.154696	PMM	COMB2	0	No Messages	No Messages
813	T38x2mm	Beam	No Messages	0.08635	PMM	COMB2	0	No Messages	No Messages
814	T38x2mm	Beam	No Messages	0.103747	PMM	COMB2	0.45	No Messages	No Messages
815	T38x2mm	Beam	No Messages	0.171856	PMM	COMB2	0.8	No Messages	No Messages
816	T38x2mm	Beam	No Messages	0.240391	PMM	COMB2	1.475	No Messages	No Messages
817	T38x2mm	Beam	No Messages	0.238188	PMM	COMB2	0	No Messages	No Messages
818	T38x2mm	Beam	No Messages	0.159978	PMM	COMB1	0	No Messages	No Messages
819	T38x2mm	Beam	No Messages	0.226201	PMM	COMB2	0.9	No Messages	No Messages
820	T38x2mm	Beam	No Messages	0.230821	PMM	COMB2	0	No Messages	No Messages
821	T38x2mm	Beam	No Messages	0.320971	PMM	COMB2	1.475	No Messages	No Messages
822	T38x2mm	Beam	No Messages	0.397861	PMM	COMB2	0	No Messages	No Messages
823	T38x2mm	Beam	No Messages	0.470169	PMM	COMB2	0.99375	No Messages	No Messages
824	T38x2mm	Beam	No Messages	0.444438	PMM	COMB2	0	No Messages	No Messages
825	T38x2mm	Beam	No Messages	0.644176	PMM	COMB2	0.9	No Messages	No Messages
826	T38x2mm	Beam	No Messages	0.517435	PMM	COMB2	0	No Messages	No Messages
827	T38x2mm	Beam	No Messages	0.610579	PMM	COMB2	1.475	No Messages	No Messages
828	T38x2mm	Beam	No Messages	0.837597	PMM	COMB2	0.9	No Messages	No Messages
829	T38x2mm	Beam	No Messages	0.597984	PMM	COMB2	0	No Messages	No Messages
830	T38x2mm	Beam	No Messages	0.59808	PMM	COMB2	1.475	No Messages	No Messages
831	T38x2mm	Beam	No Messages	0.837457	PMM	COMB2	0	No Messages	No Messages
832	T38x2mm	Beam	No Messages	0.61031	PMM	COMB2	0	No Messages	No Messages
833	T38x2mm	Beam	No Messages	0.51732	PMM	COMB2	1.475	No Messages	No Messages
834	T38x2mm	Beam	No Messages	0.643909	PMM	COMB2	0	No Messages	No Messages
835	T38x2mm	Beam	No Messages	0.444123	PMM	COMB2	0.99375	No Messages	No Messages
836	T38x2mm	Beam	No Messages	0.470185	PMM	COMB2	0	No Messages	No Messages
837	T38x2mm	Beam	No Messages	0.397977	PMM	COMB2	0.9	No Messages	No Messages
838	T38x2mm	Beam	No Messages	0.321025	PMM	COMB2	0	No Messages	No Messages
839	T38x2mm	Beam	No Messages	0.230807	PMM	COMB2	1.475	No Messages	No Messages
840	T38x2mm	Beam	No Messages	0.226165	PMM	COMB2	0	No Messages	No Messages
841	T38x2mm	Beam	No Messages	0.159938	PMM	COMB1	1.475	No Messages	No Messages

842	T38x2mm	Beam	No Messages	0.215104	PMM	COMB2	0.9625	No Messages	No Messages
843	T38x2mm	Beam	No Messages	0.226532	PMM	COMB2	0	No Messages	No Messages
844	T38x2mm	Beam	No Messages	0.107443	PMM	COMB2	0.8	No Messages	No Messages
845	T38x2mm	Beam	No Messages	0.085577	PMM	COMB2	0	No Messages	No Messages
846	T38x2mm	Beam	No Messages	0.120741	PMM	COMB2	0.8	No Messages	No Messages
847	T38x2mm	Beam	No Messages	0.234242	PMM	COMB2	1.475	No Messages	No Messages
848	T38x2mm	Beam	No Messages	0.242894	PMM	COMB2	0	No Messages	No Messages
849	T38x2mm	Beam	No Messages	0.162918	PMM	COMB2	0	No Messages	No Messages
850	T38x2mm	Beam	No Messages	0.095121	PMM	COMB2	0.45	No Messages	No Messages
851	T38x2mm	Beam	No Messages	0.078367	PMM	COMB2	0	No Messages	No Messages
852	T38x2mm	Beam	No Messages	0.183132	PMM	COMB2	0.99375	No Messages	No Messages
853	T38x2mm	Beam	No Messages	0.154753	PMM	COMB2	0	No Messages	No Messages
854	T38x2mm	Beam	No Messages	0.086301	PMM	COMB2	0	No Messages	No Messages
855	T38x2mm	Beam	No Messages	0.103771	PMM	COMB2	0.45	No Messages	No Messages
856	T38x2mm	Beam	No Messages	0.171911	PMM	COMB2	0.8	No Messages	No Messages
857	T38x2mm	Beam	No Messages	0.240383	PMM	COMB2	1.475	No Messages	No Messages
858	T38x2mm	Beam	No Messages	0.238237	PMM	COMB2	0	No Messages	No Messages
859	T38x2mm	Beam	No Messages	0.154437	PMM	COMB2	0	No Messages	No Messages
860	T38x2mm	Beam	No Messages	0.070573	PMM	COMB2	0.45	No Messages	No Messages
861	T38x2mm	Beam	No Messages	0.147975	PMM	COMB2	0.8	No Messages	No Messages
862	T38x2mm	Beam	No Messages	0.274328	PMM	COMB2	1.475	No Messages	No Messages
863	T38x2mm	Beam	No Messages	0.274354	PMM	COMB2	0	No Messages	No Messages
864	T38x2mm	Beam	No Messages	0.147898	PMM	COMB2	0	No Messages	No Messages
865	T38x2mm	Beam	No Messages	0.070568	PMM	COMB2	0.45	No Messages	No Messages
866	T38x2mm	Beam	No Messages	0.1545	PMM	COMB2	0.8	No Messages	No Messages
867	T38x2mm	Beam	No Messages	0.120644	PMM	COMB2	0.8	No Messages	No Messages
868	T38x2mm	Beam	No Messages	0.234295	PMM	COMB2	1.475	No Messages	No Messages
869	PL75x7,9	Column	No Messages	0.424718	PMM	COMB2	0.35	No Messages	No Messages
870	PL75x7,9	Column	No Messages	0.239599	PMM	COMB2	0	No Messages	No Messages
871	PL75x7,9	Column	No Messages	0.745597	PMM	COMB2	0	No Messages	No Messages
872	PL75x7,9	Column	No Messages	0.717451	PMM	COMB2	0	No Messages	No Messages
873	PL75x7,9	Column	No Messages	0.688579	PMM	COMB2	0	No Messages	No Messages
874	PL75x7,9	Column	No Messages	0.551883	PMM	COMB2	0	No Messages	No Messages
875	PL75x7,9	Column	No Messages	0.702609	PMM	COMB2	0	No Messages	No Messages
876	PL75x7,9	Column	No Messages	0.519447	PMM	COMB2	0	No Messages	No Messages
877	PL75x7,9	Column	No Messages	0.689249	PMM	COMB2	0	No Messages	No Messages
878	PL75x7,9	Column	No Messages	0.551957	PMM	COMB2	0	No Messages	No Messages
879	PL75x7,9	Column	No Messages	0.672386	PMM	COMB2	0	No Messages	No Messages
880	PL75x7,9	Column	No Messages	0.777791	PMM	COMB2	0	No Messages	No Messages
881	PL75x7,9	Column	No Messages	0.37194	PMM	COMB2	0.35	No Messages	No Messages
882	PL75x7,9	Column	No Messages	0.234309	PMM	COMB2	0.35	No Messages	No Messages
883	PL75x7,9	Column	No Messages	0.228815	PMM	COMB2	0	No Messages	No Messages
884	PL75x7,9	Column	No Messages	0.739229	PMM	COMB2	0	No Messages	No Messages
885	PL75x7,9	Column	No Messages	0.215391	PMM	COMB2	0	No Messages	No Messages
886	PL75x7,9	Column	No Messages	0.718578	PMM	COMB2	0	No Messages	No Messages
887	PL75x7,9	Column	No Messages	0.604239	PMM	COMB2	0	No Messages	No Messages
888	PL75x7,9	Column	No Messages	0.255959	PMM	COMB2	0	No Messages	No Messages
889	PL75x7,9	Column	No Messages	0.126904	PMM	COMB2	0	No Messages	No Messages
890	PL75x7,9	Column	No Messages	0.779661	PMM	COMB2	0	No Messages	No Messages
891	PL75x7,9	Column	No Messages	0.073634	PMM	COMB2	0	No Messages	No Messages
892	PL75x7,9	Column	No Messages	0.47526	PMM	COMB2	0	No Messages	No Messages
893	PL75x7,9	Column	No Messages	0.352053	PMM	COMB2	0	No Messages	No Messages
894	PL75x7,9	Column	No Messages	0.198794	PMM	COMB2	0	No Messages	No Messages
895	PL75x7,9	Column	No Messages	0.188609	PMM	COMB2	0	No Messages	No Messages
896	PL75x7,9	Column	No Messages	0.424929	PMM	COMB2	0	No Messages	No Messages
897	PL75x7,9	Column	No Messages	0.211083	PMM	COMB2	0	No Messages	No Messages
898	PL75x7,9	Column	No Messages	0.603781	PMM	COMB2	0	No Messages	No Messages
899	PL75x7,9	Column	No Messages	0.357647	PMM	COMB2	0	No Messages	No Messages
900	PL75x7,9	Column	No Messages	0.274657	PMM	COMB2	0	No Messages	No Messages
901	PL75x7,9	Column	No Messages	0.119023	PMM	COMB2	0	No Messages	No Messages
902	PL75x7,9	Column	No Messages	0.645687	PMM	COMB2	0	No Messages	No Messages
903	PL75x7,9	Column	No Messages	0.130293	PMM	COMB2	0	No Messages	No Messages
904	PL75x7,9	Column	No Messages	0.648555	PMM	COMB2	0	No Messages	No Messages
905	PL75x7,9	Column	No Messages	0.330258	PMM	COMB2	0	No Messages	No Messages
906	PL75x7,9	Column	No Messages	0.342031	PMM	COMB2	0	No Messages	No Messages
907	PL75x7,9	Column	No Messages	0.129721	PMM	COMB2	0	No Messages	No Messages

908	PL75x7,9	Column	No Messages	0.64881	PMM	COMB2	0	No Messages	No Messages
909	PL75x7,9	Column	No Messages	0.119553	PMM	COMB2	0	No Messages	No Messages
910	PL75x7,9	Column	No Messages	0.645424	PMM	COMB2	0	No Messages	No Messages
911	PL75x7,9	Column	No Messages	0.341867	PMM	COMB2	0	No Messages	No Messages
912	PL75x7,9	Column	No Messages	0.3308	PMM	COMB2	0	No Messages	No Messages
913	PL75x7,9	Column	No Messages	0.212739	PMM	COMB2	0	No Messages	No Messages
914	PL75x7,9	Column	No Messages	0.603873	PMM	COMB2	0	No Messages	No Messages
915	PL75x7,9	Column	No Messages	0.190375	PMM	COMB2	0	No Messages	No Messages
916	PL75x7,9	Column	No Messages	0.424721	PMM	COMB2	0	No Messages	No Messages
917	PL75x7,9	Column	No Messages	0.273874	PMM	COMB2	0	No Messages	No Messages
918	PL75x7,9	Column	No Messages	0.361393	PMM	COMB2	0	No Messages	No Messages
919	PL75x7,9	Column	No Messages	0.098285	PMM	COMB2	0	No Messages	No Messages
920	PL75x7,9	Column	No Messages	0.496893	PMM	COMB2	0	No Messages	No Messages
921	PL75x7,9	Column	No Messages	0.138124	PMM	COMB2	0	No Messages	No Messages
922	PL75x7,9	Column	No Messages	0.795123	PMM	COMB2	0	No Messages	No Messages
923	PL75x7,9	Column	No Messages	0.164622	PMM	COMB2	0	No Messages	No Messages
924	PL75x7,9	Column	No Messages	0.322493	PMM	COMB2	0	No Messages	No Messages
925	PL75x7,9	Column	No Messages	0.232555	PMM	COMB2	0	No Messages	No Messages
926	PL75x7,9	Column	No Messages	0.688218	PMM	COMB2	0	No Messages	No Messages
927	PL75x7,9	Column	No Messages	0.240404	PMM	COMB2	0	No Messages	No Messages
928	PL75x7,9	Column	No Messages	0.714623	PMM	COMB2	0	No Messages	No Messages
929	PL75x7,9	Column	No Messages	0.234616	PMM	COMB2	0	No Messages	No Messages
930	PL75x7,9	Column	No Messages	0.561271	PMM	COMB2	0	No Messages	No Messages
931	PL75x7,9	Column	No Messages	0.135716	PMM	COMB2	0	No Messages	No Messages
932	PL75x7,9	Column	No Messages	0.161335	PMM	COMB2	0	No Messages	No Messages
933	PL75x7,9	Column	No Messages	0.093699	PMM	COMB2	1.05	No Messages	No Messages
934	PL75x7,9	Column	No Messages	0.238144	PMM	COMB2	0	No Messages	No Messages
935	PL75x7,9	Column	No Messages	0.093777	PMM	COMB2	1.05	No Messages	No Messages
936	PL75x7,9	Column	No Messages	0.246148	PMM	COMB2	0	No Messages	No Messages
937	PL75x7,9	Column	No Messages	0.152949	PMM	COMB2	0	No Messages	No Messages
938	PL75x7,9	Column	No Messages	0.187537	PMM	COMB2	0	No Messages	No Messages
939	T38x2mm	Beam	No Messages	0.147655	PMM	COMB2	0.9625	No Messages	No Messages
940	T38x2mm	Beam	No Messages	0.157132	PMM	COMB2	0	No Messages	No Messages
941	T38x2mm	Beam	No Messages	0.127466	PMM	COMB2	0.8	No Messages	No Messages
942	T38x2mm	Beam	No Messages	0.09288	PMM	COMB2	0	No Messages	No Messages
943	T38x2mm	Beam	No Messages	0.200955	PMM	COMB2	0	No Messages	No Messages
944	T38x2mm	Beam	No Messages	0.159945	PMM	COMB2	0	No Messages	No Messages
945	T38x2mm	Beam	No Messages	0.083327	PMM	COMB2	0.45	No Messages	No Messages
946	T38x2mm	Beam	No Messages	0.057448	PMM	COMB2	0	No Messages	No Messages
947	T38x2mm	Beam	No Messages	0.126959	PMM	COMB2	0.99375	No Messages	No Messages
948	T38x2mm	Beam	No Messages	0.085164	PMM	COMB2	0	No Messages	No Messages
949	T38x2mm	Beam	No Messages	0.074075	PMM	COMB2	0.8	No Messages	No Messages
950	T38x2mm	Beam	No Messages	0.072904	PMM	COMB2	0.9	No Messages	No Messages
951	T38x2mm	Beam	No Messages	0.132522	PMM	COMB2	0.8	No Messages	No Messages
952	T38x2mm	Beam	No Messages	0.23276	PMM	COMB2	1.475	No Messages	No Messages
953	T38x2mm	Beam	No Messages	0.238549	PMM	COMB2	0	No Messages	No Messages
954	T38x2mm	Beam	No Messages	0.149873	PMM	COMB2	0	No Messages	No Messages
955	T38x2mm	Beam	No Messages	0.186596	PMM	COMB2	0.9	No Messages	No Messages
956	T38x2mm	Beam	No Messages	0.189913	PMM	COMB2	0	No Messages	No Messages
957	T38x2mm	Beam	No Messages	0.217923	PMM	COMB2	0	No Messages	No Messages
958	T38x2mm	Beam	No Messages	0.376124	PMM	COMB2	0	No Messages	No Messages
959	T38x2mm	Beam	No Messages	0.45588	PMM	COMB2	0.99375	No Messages	No Messages
960	T38x2mm	Beam	No Messages	0.453045	PMM	COMB2	0	No Messages	No Messages
961	T38x2mm	Beam	No Messages	0.653737	PMM	COMB2	0.9	No Messages	No Messages
962	T38x2mm	Beam	No Messages	0.526662	PMM	COMB2	0	No Messages	No Messages
963	T38x2mm	Beam	No Messages	0.617974	PMM	COMB2	1.475	No Messages	No Messages
964	T38x2mm	Beam	No Messages	0.845974	PMM	COMB2	0.9	No Messages	No Messages
965	T38x2mm	Beam	No Messages	0.605998	PMM	COMB2	0	No Messages	No Messages
966	T38x2mm	Beam	No Messages	0.606076	PMM	COMB2	1.475	No Messages	No Messages
967	T38x2mm	Beam	No Messages	0.845789	PMM	COMB2	0	No Messages	No Messages
968	T38x2mm	Beam	No Messages	0.617651	PMM	COMB2	0	No Messages	No Messages
969	T38x2mm	Beam	No Messages	0.526415	PMM	COMB2	1.475	No Messages	No Messages
970	T38x2mm	Beam	No Messages	0.653289	PMM	COMB2	0	No Messages	No Messages
971	T38x2mm	Beam	No Messages	0.452571	PMM	COMB2	0.99375	No Messages	No Messages
972	T38x2mm	Beam	No Messages	0.470688	PMM	COMB2	0	No Messages	No Messages
973	T38x2mm	Beam	No Messages	0.397706	PMM	COMB2	0.9	No Messages	No Messages

974	T38x2mm	Beam	No Messages	0.320956	PMM	COMB2	0	No Messages	No Messages
975	T38x2mm	Beam	No Messages	0.230956	PMM	COMB2	1.475	No Messages	No Messages
976	T38x2mm	Beam	No Messages	0.226343	PMM	COMB2	0	No Messages	No Messages
977	T38x2mm	Beam	No Messages	0.160011	PMM	COMB1	1.475	No Messages	No Messages
978	T38x2mm	Beam	No Messages	0.215578	PMM	COMB2	0.9625	No Messages	No Messages
979	T38x2mm	Beam	No Messages	0.226907	PMM	COMB2	0	No Messages	No Messages
980	T38x2mm	Beam	No Messages	0.107866	PMM	COMB2	0.8	No Messages	No Messages
981	T38x2mm	Beam	No Messages	0.086374	PMM	COMB2	0	No Messages	No Messages
982	T38x2mm	Beam	No Messages	0.119786	PMM	COMB2	0.8	No Messages	No Messages
983	T38x2mm	Beam	No Messages	0.234555	PMM	COMB2	1.475	No Messages	No Messages
984	T38x2mm	Beam	No Messages	0.241519	PMM	COMB2	0	No Messages	No Messages
985	T38x2mm	Beam	No Messages	0.156881	PMM	COMB2	0	No Messages	No Messages
986	T38x2mm	Beam	No Messages	0.081928	PMM	COMB2	0.45	No Messages	No Messages
987	T38x2mm	Beam	No Messages	0.065428	PMM	COMB2	0	No Messages	No Messages
988	T38x2mm	Beam	No Messages	0.123531	PMM	COMB2	0.99375	No Messages	No Messages
989	T38x2mm	Beam	No Messages	0.08594	PMM	COMB2	0	No Messages	No Messages
990	T38x2mm	Beam	No Messages	0.073004	PMM	COMB2	0.8	No Messages	No Messages
991	T38x2mm	Beam	No Messages	0.072299	PMM	COMB2	0.9	No Messages	No Messages
992	T38x2mm	Beam	No Messages	0.133105	PMM	COMB2	0.8	No Messages	No Messages
993	T38x2mm	Beam	No Messages	0.232866	PMM	COMB2	1.475	No Messages	No Messages
994	T38x2mm	Beam	No Messages	0.238592	PMM	COMB2	0	No Messages	No Messages
995	T38x2mm	Beam	No Messages	0.145636	PMM	COMB2	0	No Messages	No Messages
996	T38x2mm	Beam	No Messages	0.062817	PMM	COMB2	0.45	No Messages	No Messages
997	T38x2mm	Beam	No Messages	0.142568	PMM	COMB2	0.8	No Messages	No Messages
998	T38x2mm	Beam	No Messages	0.274521	PMM	COMB2	1.475	No Messages	No Messages
999	T38x2mm	Beam	No Messages	0.274537	PMM	COMB2	0	No Messages	No Messages
1000	T38x2mm	Beam	No Messages	0.142436	PMM	COMB2	0	No Messages	No Messages
1001	T38x2mm	Beam	No Messages	0.062726	PMM	COMB2	0.45	No Messages	No Messages
1002	T38x2mm	Beam	No Messages	0.145592	PMM	COMB2	0.8	No Messages	No Messages
1003	T38x2mm	Beam	No Messages	0.151185	PMM	COMB2	0.8	No Messages	No Messages
1004	T38x2mm	Beam	No Messages	0.190071	PMM	COMB2	1.475	No Messages	No Messages
1005	PL75x7,9	Column	No Messages	0.554259	PMM	COMB2	0	No Messages	No Messages
1006	PL75x7,9	Column	No Messages	0.282156	PMM	COMB2	0	No Messages	No Messages
1007	PL75x7,9	Column	No Messages	0.28217	PMM	COMB2	0	No Messages	No Messages
1008	PL75x7,9	Column	No Messages	0.559351	PMM	COMB2	0	No Messages	No Messages
1009	PL75x7,9	Column	No Messages	0.553824	PMM	COMB2	0	No Messages	No Messages
1010	PL75x7,9	Column	No Messages	0.283255	PMM	COMB2	0	No Messages	No Messages
1011	PL75x7,9	Column	No Messages	0.28328	PMM	COMB2	0	No Messages	No Messages
1012	PL75x7,9	Column	No Messages	0.554108	PMM	COMB2	0	No Messages	No Messages
1013	T38x2mm	Beam	No Messages	0.204922	PMM	COMB2	0	No Messages	No Messages
1014	T38x2mm	Beam	No Messages	0.183026	PMM	COMB2	1.44375	No Messages	No Messages
1015	T38x2mm	Beam	No Messages	0.173687	PMM	COMB2	0	No Messages	No Messages
1017	T38x2mm	Beam	No Messages	0.101392	PMM	COMB2	1.44375	No Messages	No Messages
1018	T38x2mm	Beam	No Messages	0.203256	PMM	COMB2	0	No Messages	No Messages
1019	T38x2mm	Beam	No Messages	0.178865	PMM	COMB2	1.44375	No Messages	No Messages
1020	T38x2mm	Beam	No Messages	0.173378	PMM	COMB2	0	No Messages	No Messages
1021	T38x2mm	Beam	No Messages	0.103921	PMM	COMB2	1.44375	No Messages	No Messages
1022	T38x2mm	Beam	No Messages	0.173751	PMM	COMB2	0	No Messages	No Messages
1023	T38x2mm	Beam	No Messages	0.101351	PMM	COMB2	1.44375	No Messages	No Messages
1024	T38x2mm	Beam	No Messages	0.203645	PMM	COMB2	0	No Messages	No Messages
1025	T38x2mm	Beam	No Messages	0.182836	PMM	COMB2	1.44375	No Messages	No Messages
1026	T38x2mm	Beam	No Messages	0.173433	PMM	COMB2	0	No Messages	No Messages
1027	T38x2mm	Beam	No Messages	0.103838	PMM	COMB2	1.44375	No Messages	No Messages
1028	T38x2mm	Beam	No Messages	0.203363	PMM	COMB2	0	No Messages	No Messages
1029	T38x2mm	Beam	No Messages	0.1834	PMM	COMB2	1.44375	No Messages	No Messages
1030	PL75x7,9	Column	No Messages	0.205781	PMM	COMB2	0	No Messages	No Messages
1031	PL75x7,9	Column	No Messages	0.075475	PMM	COMB2	0	No Messages	No Messages
1032	PL75x7,9	Column	No Messages	0.07725	PMM	COMB2	0.35	No Messages	No Messages
1033	PL75x7,9	Column	No Messages	0.26056	PMM	COMB2	0	No Messages	No Messages
1034	IPE180	Beam	No Messages	0.001612	PMM	COMB1	0.4125	No Messages	No Messages
1035	IPE180	Beam	No Messages	0.001564	PMM	COMB1	0.4125	No Messages	No Messages
1036	IPE180	Beam	No Messages	0.001612	PMM	COMB1	0.4125	No Messages	No Messages
1037	IPE180	Beam	No Messages	0.001563	PMM	COMB1	0.4125	No Messages	No Messages
1038	PL75x7,9	Column	No Messages	0.201935	PMM	COMB2	0	No Messages	No Messages
1039	PL75x7,9	Column	No Messages	0.039174	PMM	COMB2	1.05	No Messages	No Messages
1040	PL75x7,9	Column	No Messages	0.213748	PMM	COMB2	0	No Messages	No Messages

1041	PL75x7,9	Column	No Messages	0.038618	PMM	COMB2	1.05	No Messages	No Messages
1042	PL75x7,9	Column	No Messages	0.093942	PMM	COMB2	0	No Messages	No Messages
1043	PL75x7,9	Column	No Messages	0.099556	PMM	COMB2	0	No Messages	No Messages
1044	T38x2mm	Beam	No Messages	0.352824	PMM	COMB2	1.44375	No Messages	No Messages
1045	T38x2mm	Beam	No Messages	0.303089	PMM	COMB2	1.44375	No Messages	No Messages
1046	T38x2mm	Beam	No Messages	0.286989	PMM	COMB2	1.44375	No Messages	No Messages
1047	T38x2mm	Beam	No Messages	0.246767	PMM	COMB2	1.44375	No Messages	No Messages
1048	T38x2mm	Beam	No Messages	0.210719	PMM	COMB2	0	No Messages	No Messages
1049	T38x2mm	Beam	No Messages	0.072393	PMM	COMB2	0.5	No Messages	No Messages
1050	T38x2mm	Beam	No Messages	0.063333	PMM	COMB2	0.5	No Messages	No Messages
1051	T38x2mm	Beam	No Messages	0.093018	PMM	COMB2	0.5	No Messages	No Messages
1052	T38x2mm	Beam	No Messages	0.161261	PMM	COMB2	0.5	No Messages	No Messages
1053	T38x2mm	Beam	No Messages	0.324761	PMM	COMB2	0.5	No Messages	No Messages
1055	T38x2mm	Beam	No Messages	0.287899	PMM	COMB2	0	No Messages	No Messages
1056	T38x2mm	Beam	No Messages	0.072511	PMM	COMB2	0.5	No Messages	No Messages
1057	T38x2mm	Beam	No Messages	0.066262	PMM	COMB2	0.5	No Messages	No Messages
1058	T38x2mm	Beam	No Messages	0.066104	PMM	COMB2	0.5	No Messages	No Messages
1059	T38x2mm	Beam	No Messages	0.084737	PMM	COMB2	0.5	No Messages	No Messages
1060	T38x2mm	Beam	No Messages	0.112188	PMM	COMB2	0.5	No Messages	No Messages
1062	T38x2mm	Beam	No Messages	0.604935	PMM	COMB2	1.21875	No Messages	No Messages
1063	T38x2mm	Beam	No Messages	0.247687	PMM	COMB2	1.22	No Messages	No Messages
1065	T38x2mm	Beam	No Messages	0.251073	PMM	COMB2	0.9625	No Messages	No Messages
1066	T38x2mm	Beam	No Messages	0.79329	PMM	COMB2	0	No Messages	No Messages
1067	T38x2mm	Beam	No Messages	0.25817	PMM	COMB2	0	No Messages	No Messages
1070	T38x2mm	Beam	No Messages	0.521183	PMM	COMB2	0.5	No Messages	No Messages
1071	T38x2mm	Beam	No Messages	0.550552	PMM	COMB2	0.625	No Messages	No Messages
1072	T38x2mm	Beam	No Messages	0.528716	PMM	COMB2	0.25	No Messages	No Messages
1073	T38x2mm	Beam	No Messages	0.469539	PMM	COMB2	1	No Messages	No Messages
1074	T38x2mm	Beam	No Messages	0.484914	PMM	COMB2	1	No Messages	No Messages
1075	T38x2mm	Beam	No Messages	0.578156	PMM	COMB2	1	No Messages	No Messages
1076	T38x2mm	Beam	No Messages	0.57647	PMM	COMB2	0	No Messages	No Messages
1077	T38x2mm	Beam	No Messages	0.467083	PMM	COMB2	0	No Messages	No Messages
1078	T38x2mm	Beam	No Messages	0.446212	PMM	COMB2	0.5	No Messages	No Messages
1079	T38x2mm	Beam	No Messages	0.457972	PMM	COMB2	0.5	No Messages	No Messages
1080	T38x2mm	Beam	No Messages	0.094308	PMM	COMB2	0.5	No Messages	No Messages
1081	T38x2mm	Beam	No Messages	0.142466	PMM	COMB2	0.625	No Messages	No Messages
1082	T38x2mm	Beam	No Messages	0.127815	PMM	COMB2	0.25	No Messages	No Messages
1083	T38x2mm	Beam	No Messages	0.074717	PMM	COMB2	1	No Messages	No Messages
1084	T38x2mm	Beam	No Messages	0.095098	PMM	COMB2	1	No Messages	No Messages
1085	T38x2mm	Beam	No Messages	0.192863	PMM	COMB2	1	No Messages	No Messages
1086	T38x2mm	Beam	No Messages	0.19304	PMM	COMB2	0	No Messages	No Messages
1087	T38x2mm	Beam	No Messages	0.07677	PMM	COMB2	0	No Messages	No Messages
1088	T38x2mm	Beam	No Messages	0.0519	PMM	COMB2	0.5	No Messages	No Messages
1089	T38x2mm	Beam	No Messages	0.06139	PMM	COMB2	0.5	No Messages	No Messages
1096	T38x2mm	Beam	No Messages	0.484674	PMM	COMB2	0.5	No Messages	No Messages
1097	T38x2mm	Beam	No Messages	0.517351	PMM	COMB2	0.5	No Messages	No Messages
1099	T38x2mm	Beam	No Messages	0.083631	PMM	COMB2	0.5	No Messages	No Messages
1100	T38x2mm	Beam	No Messages	0.111701	PMM	COMB2	0.5	No Messages	No Messages
1102	T38x2mm	Beam	No Messages	0.671917	PMM	COMB2	1.2175	No Messages	No Messages
1104	T38x2mm	Beam	No Messages	0.247954	PMM	COMB2	1.2175	No Messages	No Messages
1105	T38x2mm	Beam	No Messages	0.251128	PMM	COMB2	0.9625	No Messages	No Messages
1106	T38x2mm	Beam	No Messages	0.483926	PMM	COMB2	0	No Messages	No Messages
1107	T38x2mm	Beam	No Messages	0.258238	PMM	COMB2	0	No Messages	No Messages
1118	T38x2mm	Beam	No Messages	0.186055	PMM	COMB2	0.625	No Messages	No Messages
1119	T38x2mm	Beam	No Messages	0.219256	PMM	COMB2	0.625	No Messages	No Messages
1120	T38x2mm	Beam	No Messages	0.157499	PMM	COMB2	0.25	No Messages	No Messages
1121	T38x2mm	Beam	No Messages	0.049721	PMM	COMB2	1	No Messages	No Messages
1122	T38x2mm	Beam	No Messages	0.054704	PMM	COMB2	0.5	No Messages	No Messages
1123	T38x2mm	Beam	No Messages	0.094545	PMM	COMB2	0.5	No Messages	No Messages
1124	T38x2mm	Beam	No Messages	0.14361	PMM	COMB2	0.625	No Messages	No Messages
1125	T38x2mm	Beam	No Messages	0.13103	PMM	COMB2	0.25	No Messages	No Messages
1126	T38x2mm	Beam	No Messages	0.053228	PMM	COMB2	1	No Messages	No Messages
1127	T38x2mm	Beam	No Messages	0.050982	PMM	COMB2	0.5	No Messages	No Messages
1128	T38x2mm	Beam	No Messages	0.286163	PMM	COMB2	0.9975	No Messages	No Messages
1129	T38x2mm	Beam	No Messages	0.214792	PMM	COMB2	0.99875	No Messages	No Messages
1130	T38x2mm	Beam	No Messages	0.209212	PMM	COMB2	0	No Messages	No Messages

1131	T38x2mm	Beam	No Messages	0.283789	PMM	COMB2	0.825	No Messages	No Messages
1132	T38x2mm	Beam	No Messages	0.204936	PMM	COMB2	0	No Messages	No Messages
1133	T38x2mm	Beam	No Messages	0.285664	PMM	COMB2	0.825	No Messages	No Messages
1134	PL75x7,9	Column	No Messages	0.531214	PMM	COMB2	1.05	No Messages	No Messages
1135	PL75x7,9	Column	No Messages	0.605336	PMM	COMB2	1.05	No Messages	No Messages
1136	PL75x7,9	Column	No Messages	0.617807	PMM	COMB2	1.05	No Messages	No Messages
1137	PL75x7,9	Column	No Messages	0.603865	PMM	COMB2	1.05	No Messages	No Messages
1138	PL75x7,9	Column	No Messages	0.552979	PMM	COMB2	1.05	No Messages	No Messages
1139	PL75x7,9	Column	No Messages	0.438469	PMM	COMB2	1.05	No Messages	No Messages
1140	PL75x7,9	Column	No Messages	0.309613	PMM	COMB2	1.05	No Messages	No Messages
1141	PL75x7,9	Column	No Messages	0.403616	PMM	COMB2	1.05	No Messages	No Messages
1142	PL75x7,9	Column	No Messages	0.422868	PMM	COMB2	1.05	No Messages	No Messages
1143	PL75x7,9	Column	No Messages	0.416492	PMM	COMB2	1.05	No Messages	No Messages
1144	PL75x7,9	Column	No Messages	0.385376	PMM	COMB2	1.05	No Messages	No Messages
1145	PL75x7,9	Column	No Messages	0.301116	PMM	COMB2	1.05	No Messages	No Messages
1146	PL75x7,9	Column	No Messages	0.72874	PMM	COMB2	1.05	No Messages	No Messages
1147	PL75x7,9	Column	No Messages	0.746168	PMM	COMB2	1.05	No Messages	No Messages
1148	PL75x7,9	Column	No Messages	0.27324	PMM	COMB2	1.05	No Messages	No Messages
1149	PL75x7,9	Column	No Messages	0.322722	PMM	COMB2	1.05	No Messages	No Messages
1150	PL75x7,9	Column	No Messages	0.427997	PMM	COMB2	1.05	No Messages	No Messages
1151	PL75x7,9	Column	No Messages	0.186216	PMM	COMB2	1.05	No Messages	No Messages
1152	PL75x7,9	Column	No Messages	0.499306	PMM	COMB2	1.05	No Messages	No Messages
1153	PL75x7,9	Column	No Messages	0.450459	PMM	COMB2	1.05	No Messages	No Messages
1154	PL75x7,9	Column	No Messages	0.428931	PMM	COMB2	1.05	No Messages	No Messages
1155	PL75x7,9	Column	No Messages	0.680449	PMM	COMB2	1.05	No Messages	No Messages
1156	PL75x7,9	Column	No Messages	0.414893	PMM	COMB2	1.05	No Messages	No Messages
1157	PL75x7,9	Column	No Messages	0.420794	PMM	COMB2	1.05	No Messages	No Messages
1158	PL75x7,9	Column	No Messages	0.420275	PMM	COMB2	1.05	No Messages	No Messages
1159	PL75x7,9	Column	No Messages	0.406104	PMM	COMB2	1.05	No Messages	No Messages
1160	PL75x7,9	Column	No Messages	0.453567	PMM	COMB2	1.05	No Messages	No Messages
1161	PL75x7,9	Column	No Messages	0.18894	PMM	COMB2	1.05	No Messages	No Messages
1162	PL75x7,9	Column	No Messages	0.503751	PMM	COMB2	1.05	No Messages	No Messages
1163	PL75x7,9	Column	No Messages	0.452297	PMM	COMB2	1.05	No Messages	No Messages
1164	PL75x7,9	Column	No Messages	0.43666	PMM	COMB2	1.05	No Messages	No Messages
1165	PL75x7,9	Column	No Messages	0.667574	PMM	COMB2	1.05	No Messages	No Messages
1166	PL75x7,9	Column	No Messages	0.416634	PMM	COMB2	1.05	No Messages	No Messages
1167	PL75x7,9	Column	No Messages	0.421613	PMM	COMB2	1.05	No Messages	No Messages
1168	PL75x7,9	Column	No Messages	0.422898	PMM	COMB2	1.05	No Messages	No Messages
1169	PL75x7,9	Column	No Messages	0.414308	PMM	COMB2	1.05	No Messages	No Messages
1170	PL75x7,9	Column	No Messages	0.360315	PMM	COMB2	1.05	No Messages	No Messages
1171	PL75x7,9	Column	No Messages	0.249704	PMM	COMB2	1.05	No Messages	No Messages
1172	PL75x7,9	Column	No Messages	0.383483	PMM	COMB2	1.05	No Messages	No Messages
1173	PL75x7,9	Column	No Messages	0.29935	PMM	COMB2	1.05	No Messages	No Messages
1174	PL75x7,9	Column	No Messages	0.729107	PMM	COMB2	1.05	No Messages	No Messages
1175	PL75x7,9	Column	No Messages	0.746149	PMM	COMB2	1.05	No Messages	No Messages
1176	PL75x7,9	Column	No Messages	0.370373	PMM	COMB2	1.05	No Messages	No Messages
1177	PL75x7,9	Column	No Messages	0.324663	PMM	COMB2	1.05	No Messages	No Messages
1178	PL75x7,9	Column	No Messages	0.563509	PMM	COMB2	1.05	No Messages	No Messages
1179	PL75x7,9	Column	No Messages	0.366122	PMM	COMB2	1.05	No Messages	No Messages
1180	PL75x7,9	Column	No Messages	0.67594	PMM	COMB2	1.05	No Messages	No Messages
1181	PL75x7,9	Column	No Messages	0.620466	PMM	COMB2	1.05	No Messages	No Messages
1182	PL75x7,9	Column	No Messages	0.528267	PMM	COMB2	1.05	No Messages	No Messages
1183	PL75x7,9	Column	No Messages	0.455653	PMM	COMB2	1.05	No Messages	No Messages
1184	PL75x7,9	Column	No Messages	0.191615	PMM	COMB2	1.05	No Messages	No Messages
1185	PL75x7,9	Column	No Messages	0.504058	PMM	COMB2	1.05	No Messages	No Messages
1186	PL75x7,9	Column	No Messages	0.434381	PMM	COMB2	1.05	No Messages	No Messages
1187	PL75x7,9	Column	No Messages	0.321582	PMM	COMB2	1.05	No Messages	No Messages
1188	T38x2mm	Beam	No Messages	0.757706	PMM	COMB2	0	No Messages	No Messages
1189	T38x2mm	Beam	No Messages	0.402652	PMM	COMB2	0.75	No Messages	No Messages
1190	T38x2mm	Beam	No Messages	0.265971	PMM	COMB2	0.375	No Messages	No Messages
1191	T38x2mm	Beam	No Messages	0.244863	PMM	COMB2	1	No Messages	No Messages
1192	T38x2mm	Beam	No Messages	0.250513	PMM	COMB2	0	No Messages	No Messages
1193	T38x2mm	Beam	No Messages	0.308293	PMM	COMB2	0.375	No Messages	No Messages
1194	T38x2mm	Beam	No Messages	0.712248	PMM	COMB2	0	No Messages	No Messages
1195	T38x2mm	Beam	No Messages	0.399134	PMM	COMB2	0.75	No Messages	No Messages
1196	T38x2mm	Beam	No Messages	0.273903	PMM	COMB2	0.375	No Messages	No Messages

1197	T38x2mm	Beam	No Messages	0.231642	PMM	COMB2	1	No Messages	No Messages
1198	T38x2mm	Beam	No Messages	0.266724	PMM	COMB2	0	No Messages	No Messages
1199	T38x2mm	Beam	No Messages	0.424471	PMM	COMB2	0.375	No Messages	No Messages
1200	T38x2mm	Beam	No Messages	0.613359	PMM	COMB2	1.21875	No Messages	No Messages
1201	T38x2mm	Beam	No Messages	0.696608	PMM	COMB2	1.21875	No Messages	No Messages
1202	T38x2mm	Beam	No Messages	0.80188	PMM	COMB2	0	No Messages	No Messages
1203	T38x2mm	Beam	No Messages	0.140185	PMM	COMB2	0	No Messages	No Messages
1204	T38x2mm	Beam	No Messages	0.707384	PMM	COMB2	1	No Messages	No Messages
1205	T38x2mm	Beam	No Messages	0.719755	PMM	COMB2	0	No Messages	No Messages
1206	T38x2mm	Beam	No Messages	0.702827	PMM	COMB2	1	No Messages	No Messages
1207	T38x2mm	Beam	No Messages	0.728508	PMM	COMB2	1	No Messages	No Messages
1208	T38x2mm	Beam	No Messages	0.730002	PMM	COMB2	0	No Messages	No Messages
1209	T38x2mm	Beam	No Messages	0.985098	PMM	COMB2	1	No Messages	No Messages
1210	T38x2mm	Beam	No Messages	0.982231	PMM	COMB2	0	No Messages	No Messages
1211	T38x2mm	Beam	No Messages	0.729276	PMM	COMB2	1	No Messages	No Messages
1212	T38x2mm	Beam	No Messages	0.72782	PMM	COMB2	0	No Messages	No Messages
1213	T38x2mm	Beam	No Messages	0.701979	PMM	COMB2	0	No Messages	No Messages
1214	T38x2mm	Beam	No Messages	0.085768	PMM	COMB2	0	No Messages	No Messages
1215	T38x2mm	Beam	No Messages	0.122567	PMM	COMB2	1	No Messages	No Messages
1216	T38x2mm	Beam	No Messages	0.119503	PMM	COMB2	0	No Messages	No Messages
1217	T38x2mm	Beam	No Messages	0.08304	PMM	COMB2	0.75	No Messages	No Messages
1218	T38x2mm	Beam	No Messages	0.084334	PMM	COMB2	0.5	No Messages	No Messages
1219	T38x2mm	Beam	No Messages	0.126435	PMM	COMB2	1	No Messages	No Messages
1220	T38x2mm	Beam	No Messages	0.124937	PMM	COMB2	0	No Messages	No Messages
1221	T38x2mm	Beam	No Messages	0.083958	PMM	COMB2	0.5	No Messages	No Messages
1222	T38x2mm	Beam	No Messages	0.082756	PMM	COMB2	0.25	No Messages	No Messages
1223	T38x2mm	Beam	No Messages	0.119169	PMM	COMB2	1	No Messages	No Messages
1224	T38x2mm	Beam	No Messages	0.719159	PMM	COMB2	1	No Messages	No Messages
1225	T38x2mm	Beam	No Messages	0.706641	PMM	COMB2	0	No Messages	No Messages
1226	T38x2mm	Beam	No Messages	0.122401	PMM	COMB2	0	No Messages	No Messages
1227	T38x2mm	Beam	No Messages	0.085918	PMM	COMB2	1	No Messages	No Messages
1228	T38x2mm	Beam	No Messages	0.801297	PMM	COMB2	1.2175	No Messages	No Messages
1229	T38x2mm	Beam	No Messages	0.140432	PMM	COMB2	1.2175	No Messages	No Messages
1230	T38x2mm	Beam	No Messages	0.689146	PMM	COMB2	0	No Messages	No Messages
1231	T38x2mm	Beam	No Messages	0.686176	PMM	COMB2	0	No Messages	No Messages
1232	T38x2mm	Beam	No Messages	0.393426	PMM	COMB2	0.5	No Messages	No Messages
1233	T38x2mm	Beam	No Messages	0.242967	PMM	COMB2	1	No Messages	No Messages
1234	T38x2mm	Beam	No Messages	0.211621	PMM	COMB2	0	No Messages	No Messages
1235	T38x2mm	Beam	No Messages	0.253843	PMM	COMB2	0.625	No Messages	No Messages
1236	T38x2mm	Beam	No Messages	0.348751	PMM	COMB2	0.375	No Messages	No Messages
1237	T38x2mm	Beam	No Messages	0.408741	PMM	COMB2	0.625	No Messages	No Messages
1238	T38x2mm	Beam	No Messages	0.25723	PMM	COMB2	1	No Messages	No Messages
1239	T38x2mm	Beam	No Messages	0.217329	PMM	COMB2	0	No Messages	No Messages
1240	T38x2mm	Beam	No Messages	0.273204	PMM	COMB2	0.625	No Messages	No Messages
1241	T38x2mm	Beam	No Messages	0.39742	PMM	COMB2	0.25	No Messages	No Messages
1242	T38x2mm	Beam	No Messages	0.644655	PMM	COMB2	0.99875	No Messages	No Messages
1243	T38x2mm	Beam	No Messages	0.728146	PMM	COMB2	0.99875	No Messages	No Messages
1244	T38x2mm	Beam	No Messages	0.078761	PMM	COMB2	0	No Messages	No Messages
1245	T38x2mm	Beam	No Messages	0.093315	PMM	COMB2	1	No Messages	No Messages
1246	T38x2mm	Beam	No Messages	0.4363	PMM	COMB2	0	No Messages	No Messages
1247	T38x2mm	Beam	No Messages	0.190409	PMM	COMB2	0.75	No Messages	No Messages
1248	T38x2mm	Beam	No Messages	0.175003	PMM	COMB2	0.42292	No Messages	No Messages
1249	T38x2mm	Beam	No Messages	0.229514	PMM	COMB2	0.42292	No Messages	No Messages
1250	T38x2mm	Beam	No Messages	0.43287	PMM	COMB2	0	No Messages	No Messages
1251	T38x2mm	Beam	No Messages	0.189974	PMM	COMB2	0.75	No Messages	No Messages
1252	T38x2mm	Beam	No Messages	0.0789	PMM	COMB2	0	No Messages	No Messages
1253	T38x2mm	Beam	No Messages	0.093324	PMM	COMB2	1	No Messages	No Messages
1254	T38x2mm	Beam	No Messages	0.229456	PMM	COMB2	0.42292	No Messages	No Messages
1255	T38x2mm	Beam	No Messages	0.175008	PMM	COMB2	0.42292	No Messages	No Messages
1256	T38x2mm	Beam	No Messages	0.562009	PMM	COMB2	0.9625	No Messages	No Messages
1257	T38x2mm	Beam	No Messages	0.139085	PMM	COMB2	0	No Messages	No Messages
1258	T38x2mm	Beam	No Messages	0.193242	PMM	COMB2	0	No Messages	No Messages
1259	T38x2mm	Beam	No Messages	0.130637	PMM	COMB2	0.8	No Messages	No Messages
1260	T38x2mm	Beam	No Messages	0.090684	PMM	COMB2	0	No Messages	No Messages
1261	T38x2mm	Beam	No Messages	0.293952	PMM	COMB2	0	No Messages	No Messages
1262	T38x2mm	Beam	No Messages	0.156945	PMM	COMB2	0	No Messages	No Messages

1263	T38x2mm	Beam	No Messages	0.074361	PMM	COMB2	0.45	No Messages	No Messages
1264	T38x2mm	Beam	No Messages	0.079446	PMM	COMB2	0.8	No Messages	No Messages
1265	T38x2mm	Beam	No Messages	0.136128	PMM	COMB2	0.99375	No Messages	No Messages
1266	T38x2mm	Beam	No Messages	0.126205	PMM	COMB2	0	No Messages	No Messages
1267	T38x2mm	Beam	No Messages	0.089434	PMM	COMB2	0	No Messages	No Messages
1268	T38x2mm	Beam	No Messages	0.080932	PMM	COMB2	0.45	No Messages	No Messages
1269	T38x2mm	Beam	No Messages	0.162899	PMM	COMB2	0.8	No Messages	No Messages
1270	T38x2mm	Beam	No Messages	0.286564	PMM	COMB2	1.475	No Messages	No Messages
1271	T38x2mm	Beam	No Messages	0.281464	PMM	COMB2	0	No Messages	No Messages
1272	T38x2mm	Beam	No Messages	0.139938	PMM	COMB2	0	No Messages	No Messages
1273	T38x2mm	Beam	No Messages	0.127405	PMM	COMB2	0.9	No Messages	No Messages
1274	T38x2mm	Beam	No Messages	0.140866	PMM	COMB2	0	No Messages	No Messages
1275	T38x2mm	Beam	No Messages	0.121749	PMM	COMB2	1.475	No Messages	No Messages
1276	T38x2mm	Beam	No Messages	0.11309	PMM	COMB2	0	No Messages	No Messages
1277	T38x2mm	Beam	No Messages	0.132741	PMM	COMB2	0.99375	No Messages	No Messages
1278	T38x2mm	Beam	No Messages	0.59477	PMM	COMB2	0.9625	No Messages	No Messages
1279	T38x2mm	Beam	No Messages	0.288939	PMM	COMB2	0	No Messages	No Messages
1280	T38x2mm	Beam	No Messages	0.148235	PMM	COMB1	0	No Messages	No Messages
1281	T38x2mm	Beam	No Messages	0.112917	PMM	COMB2	0.9	No Messages	No Messages
1282	T38x2mm	Beam	No Messages	0.16343	PMM	COMB1	1.475	No Messages	No Messages
1283	T38x2mm	Beam	No Messages	0.173294	PMM	COMB1	0	No Messages	No Messages
1284	T38x2mm	Beam	No Messages	0.131274	PMM	COMB2	0.9	No Messages	No Messages
1285	T38x2mm	Beam	No Messages	0.188261	PMM	COMB1	1.475	No Messages	No Messages
1286	T38x2mm	Beam	No Messages	0.188256	PMM	COMB1	0	No Messages	No Messages
1287	T38x2mm	Beam	No Messages	0.131241	PMM	COMB2	0	No Messages	No Messages
1288	T38x2mm	Beam	No Messages	0.173275	PMM	COMB1	1.475	No Messages	No Messages
1289	T38x2mm	Beam	No Messages	0.163397	PMM	COMB1	0	No Messages	No Messages
1290	T38x2mm	Beam	No Messages	0.112904	PMM	COMB2	0	No Messages	No Messages
1291	T38x2mm	Beam	No Messages	0.148233	PMM	COMB1	0.99375	No Messages	No Messages
1292	T38x2mm	Beam	No Messages	0.29014	PMM	COMB2	0.9625	No Messages	No Messages
1293	T38x2mm	Beam	No Messages	0.439744	PMM	COMB2	0	No Messages	No Messages
1294	T38x2mm	Beam	No Messages	0.066295	PMM	COMB2	0.99375	No Messages	No Messages
1295	T38x2mm	Beam	No Messages	0.118489	PMM	COMB2	0.9	No Messages	No Messages
1296	T38x2mm	Beam	No Messages	0.121198	PMM	COMB2	0	No Messages	No Messages
1297	T38x2mm	Beam	No Messages	0.144838	PMM	COMB2	1.475	No Messages	No Messages
1298	T38x2mm	Beam	No Messages	0.124231	PMM	COMB2	0	No Messages	No Messages
1299	T38x2mm	Beam	No Messages	0.144811	PMM	COMB2	1.475	No Messages	No Messages
1300	T38x2mm	Beam	No Messages	0.146888	PMM	COMB2	0	No Messages	No Messages
1301	T38x2mm	Beam	No Messages	0.184086	PMM	COMB2	0	No Messages	No Messages
1302	T38x2mm	Beam	No Messages	0.129464	PMM	COMB2	0.8	No Messages	No Messages
1303	T38x2mm	Beam	No Messages	0.087089	PMM	COMB2	0	No Messages	No Messages
1304	T38x2mm	Beam	No Messages	0.128253	PMM	COMB2	0.8	No Messages	No Messages
1305	T38x2mm	Beam	No Messages	0.277262	PMM	COMB2	1.475	No Messages	No Messages
1306	T38x2mm	Beam	No Messages	0.292994	PMM	COMB2	0	No Messages	No Messages
1307	T38x2mm	Beam	No Messages	0.157843	PMM	COMB2	0	No Messages	No Messages
1308	T38x2mm	Beam	No Messages	0.074201	PMM	COMB2	0.45	No Messages	No Messages
1309	T38x2mm	Beam	No Messages	0.080618	PMM	COMB2	0.8	No Messages	No Messages
1310	T38x2mm	Beam	No Messages	0.135416	PMM	COMB2	0.99375	No Messages	No Messages
1311	T38x2mm	Beam	No Messages	0.126246	PMM	COMB2	0	No Messages	No Messages
1312	T38x2mm	Beam	No Messages	0.089352	PMM	COMB2	0	No Messages	No Messages
1313	T38x2mm	Beam	No Messages	0.08095	PMM	COMB2	0.45	No Messages	No Messages
1314	T38x2mm	Beam	No Messages	0.162968	PMM	COMB2	0.8	No Messages	No Messages
1315	T38x2mm	Beam	No Messages	0.286539	PMM	COMB2	1.475	No Messages	No Messages
1316	T38x2mm	Beam	No Messages	0.281529	PMM	COMB2	0	No Messages	No Messages
1317	T38x2mm	Beam	No Messages	0.148336	PMM	COMB2	0	No Messages	No Messages
1318	T38x2mm	Beam	No Messages	0.052764	PMM	COMB2	0.45	No Messages	No Messages
1319	T38x2mm	Beam	No Messages	0.146914	PMM	COMB2	0.8	No Messages	No Messages
1320	T38x2mm	Beam	No Messages	0.323531	PMM	COMB2	1.475	No Messages	No Messages
1321	T38x2mm	Beam	No Messages	0.323585	PMM	COMB2	0	No Messages	No Messages
1322	T38x2mm	Beam	No Messages	0.146813	PMM	COMB2	0	No Messages	No Messages
1323	T38x2mm	Beam	No Messages	0.05276	PMM	COMB2	0.45	No Messages	No Messages
1324	T38x2mm	Beam	No Messages	0.14843	PMM	COMB2	0.8	No Messages	No Messages
1325	T38x2mm	Beam	No Messages	0.127744	PMM	COMB2	0	No Messages	No Messages
1326	T38x2mm	Beam	No Messages	0.277591	PMM	COMB2	1.475	No Messages	No Messages
1327	T38x2mm	Beam	No Messages	0.535695	PMM	COMB2	0	No Messages	No Messages
1328	T38x2mm	Beam	No Messages	0.162376	PMM	COMB2	0.9625	No Messages	No Messages

1329	T38x2mm	Beam	No Messages	0.232146	PMM	COMB2	0	No Messages	No Messages
1330	T38x2mm	Beam	No Messages	0.136014	PMM	COMB2	0.8	No Messages	No Messages
1331	T38x2mm	Beam	No Messages	0.105053	PMM	COMB2	0	No Messages	No Messages
1332	T38x2mm	Beam	No Messages	0.293808	PMM	COMB2	0	No Messages	No Messages
1333	T38x2mm	Beam	No Messages	0.156918	PMM	COMB2	0	No Messages	No Messages
1334	T38x2mm	Beam	No Messages	0.072806	PMM	COMB2	0.45	No Messages	No Messages
1335	T38x2mm	Beam	No Messages	0.079612	PMM	COMB2	0.8	No Messages	No Messages
1336	T38x2mm	Beam	No Messages	0.134937	PMM	COMB2	0.99375	No Messages	No Messages
1337	T38x2mm	Beam	No Messages	0.125945	PMM	COMB2	0	No Messages	No Messages
1338	T38x2mm	Beam	No Messages	0.089767	PMM	COMB2	0	No Messages	No Messages
1339	T38x2mm	Beam	No Messages	0.08091	PMM	COMB2	0.45	No Messages	No Messages
1340	T38x2mm	Beam	No Messages	0.163212	PMM	COMB2	0.8	No Messages	No Messages
1341	T38x2mm	Beam	No Messages	0.28653	PMM	COMB2	1.475	No Messages	No Messages
1342	T38x2mm	Beam	No Messages	0.281365	PMM	COMB2	0	No Messages	No Messages
1343	T38x2mm	Beam	No Messages	0.124262	PMM	COMB2	0	No Messages	No Messages
1344	T38x2mm	Beam	No Messages	0.139496	PMM	COMB2	0.9	No Messages	No Messages
1345	T38x2mm	Beam	No Messages	0.135996	PMM	COMB2	0	No Messages	No Messages
1346	T38x2mm	Beam	No Messages	0.169723	PMM	COMB2	0	No Messages	No Messages
1347	T38x2mm	Beam	No Messages	0.167091	PMM	COMB2	0	No Messages	No Messages
1348	T38x2mm	Beam	No Messages	0.198307	PMM	COMB2	0.99375	No Messages	No Messages
1349	T38x2mm	Beam	No Messages	0.064288	PMM	COMB2	0.99375	No Messages	No Messages
1350	T38x2mm	Beam	No Messages	0.114066	PMM	COMB2	0.9	No Messages	No Messages
1351	T38x2mm	Beam	No Messages	0.122225	PMM	COMB2	0	No Messages	No Messages
1352	T38x2mm	Beam	No Messages	0.143893	PMM	COMB2	1.475	No Messages	No Messages
1353	T38x2mm	Beam	No Messages	0.13109	PMM	COMB2	0.9	No Messages	No Messages
1354	T38x2mm	Beam	No Messages	0.147097	PMM	COMB2	0	No Messages	No Messages
1355	T38x2mm	Beam	No Messages	0.147067	PMM	COMB2	1.475	No Messages	No Messages
1356	T38x2mm	Beam	No Messages	0.131045	PMM	COMB2	0	No Messages	No Messages
1357	T38x2mm	Beam	No Messages	0.143925	PMM	COMB2	0	No Messages	No Messages
1358	T38x2mm	Beam	No Messages	0.122205	PMM	COMB2	1.475	No Messages	No Messages
1359	T38x2mm	Beam	No Messages	0.114044	PMM	COMB2	0	No Messages	No Messages
1360	T38x2mm	Beam	No Messages	0.064311	PMM	COMB2	0	No Messages	No Messages
1361	T38x2mm	Beam	No Messages	0.198307	PMM	COMB2	0	No Messages	No Messages
1362	T38x2mm	Beam	No Messages	0.167163	PMM	COMB2	0.9	No Messages	No Messages
1363	T38x2mm	Beam	No Messages	0.16974	PMM	COMB2	1.475	No Messages	No Messages
1364	T38x2mm	Beam	No Messages	0.135961	PMM	COMB2	1.475	No Messages	No Messages
1365	T38x2mm	Beam	No Messages	0.13949	PMM	COMB2	0	No Messages	No Messages
1366	T38x2mm	Beam	No Messages	0.124244	PMM	COMB2	1.475	No Messages	No Messages
1367	T38x2mm	Beam	No Messages	0.162364	PMM	COMB2	0.9625	No Messages	No Messages
1368	T38x2mm	Beam	No Messages	0.232202	PMM	COMB2	0	No Messages	No Messages
1369	T38x2mm	Beam	No Messages	0.135863	PMM	COMB2	0.8	No Messages	No Messages
1370	T38x2mm	Beam	No Messages	0.104886	PMM	COMB2	0	No Messages	No Messages
1371	T38x2mm	Beam	No Messages	0.128165	PMM	COMB2	0	No Messages	No Messages
1372	T38x2mm	Beam	No Messages	0.274875	PMM	COMB2	1.475	No Messages	No Messages
1373	T38x2mm	Beam	No Messages	0.293863	PMM	COMB2	0	No Messages	No Messages
1374	T38x2mm	Beam	No Messages	0.156952	PMM	COMB2	0	No Messages	No Messages
1375	T38x2mm	Beam	No Messages	0.073014	PMM	COMB2	0.45	No Messages	No Messages
1376	T38x2mm	Beam	No Messages	0.079821	PMM	COMB2	0.8	No Messages	No Messages
1377	T38x2mm	Beam	No Messages	0.135248	PMM	COMB2	0.99375	No Messages	No Messages
1378	T38x2mm	Beam	No Messages	0.125981	PMM	COMB2	0	No Messages	No Messages
1379	T38x2mm	Beam	No Messages	0.089691	PMM	COMB2	0	No Messages	No Messages
1380	T38x2mm	Beam	No Messages	0.080926	PMM	COMB2	0.45	No Messages	No Messages
1381	T38x2mm	Beam	No Messages	0.163282	PMM	COMB2	0.8	No Messages	No Messages
1382	T38x2mm	Beam	No Messages	0.286504	PMM	COMB2	1.475	No Messages	No Messages
1383	T38x2mm	Beam	No Messages	0.281429	PMM	COMB2	0	No Messages	No Messages
1384	T38x2mm	Beam	No Messages	0.148363	PMM	COMB2	0	No Messages	No Messages
1385	T38x2mm	Beam	No Messages	0.052787	PMM	COMB2	0.45	No Messages	No Messages
1386	T38x2mm	Beam	No Messages	0.146925	PMM	COMB2	0.8	No Messages	No Messages
1387	T38x2mm	Beam	No Messages	0.323532	PMM	COMB2	1.475	No Messages	No Messages
1388	T38x2mm	Beam	No Messages	0.323586	PMM	COMB2	0	No Messages	No Messages
1389	T38x2mm	Beam	No Messages	0.146824	PMM	COMB2	0	No Messages	No Messages
1390	T38x2mm	Beam	No Messages	0.052783	PMM	COMB2	0.45	No Messages	No Messages
1391	T38x2mm	Beam	No Messages	0.148458	PMM	COMB2	0.8	No Messages	No Messages
1392	T38x2mm	Beam	No Messages	0.12805	PMM	COMB2	0	No Messages	No Messages
1393	T38x2mm	Beam	No Messages	0.274957	PMM	COMB2	1.475	No Messages	No Messages
1394	T38x2mm	Beam	No Messages	0.131994	PMM	COMB2	0	No Messages	No Messages

1395	T38x2mm	Beam	No Messages	0.179728	PMM	COMB2	0	No Messages	No Messages
1396	T38x2mm	Beam	No Messages	0.15139	PMM	COMB2	0.8	No Messages	No Messages
1397	T38x2mm	Beam	No Messages	0.107521	PMM	COMB2	0	No Messages	No Messages
1398	T38x2mm	Beam	No Messages	0.247733	PMM	COMB2	0	No Messages	No Messages
1399	T38x2mm	Beam	No Messages	0.153578	PMM	COMB2	0	No Messages	No Messages
1400	T38x2mm	Beam	No Messages	0.064278	PMM	COMB2	0.45	No Messages	No Messages
1401	T38x2mm	Beam	No Messages	0.063098	PMM	COMB2	0.8	No Messages	No Messages
1402	T38x2mm	Beam	No Messages	0.116981	PMM	COMB2	0.99375	No Messages	No Messages
1403	T38x2mm	Beam	No Messages	0.112811	PMM	COMB2	0	No Messages	No Messages
1404	T38x2mm	Beam	No Messages	0.090234	PMM	COMB2	0.8	No Messages	No Messages
1405	T38x2mm	Beam	No Messages	0.083861	PMM	COMB2	0.9	No Messages	No Messages
1406	T38x2mm	Beam	No Messages	0.133294	PMM	COMB2	0	No Messages	No Messages
1407	T38x2mm	Beam	No Messages	0.275938	PMM	COMB2	1.475	No Messages	No Messages
1408	T38x2mm	Beam	No Messages	0.287267	PMM	COMB2	0	No Messages	No Messages
1409	T38x2mm	Beam	No Messages	0.166067	PMM	COMB2	0	No Messages	No Messages
1410	T38x2mm	Beam	No Messages	0.12766	PMM	COMB2	0.9	No Messages	No Messages
1411	T38x2mm	Beam	No Messages	0.120865	PMM	COMB2	1.475	No Messages	No Messages
1412	T38x2mm	Beam	No Messages	0.180045	PMM	COMB2	0	No Messages	No Messages
1413	T38x2mm	Beam	No Messages	0.158208	PMM	COMB2	0	No Messages	No Messages
1414	T38x2mm	Beam	No Messages	0.194053	PMM	COMB2	0.99375	No Messages	No Messages
1415	T38x2mm	Beam	No Messages	0.063241	PMM	COMB2	0.99375	No Messages	No Messages
1416	T38x2mm	Beam	No Messages	0.112831	PMM	COMB2	0.9	No Messages	No Messages
1417	T38x2mm	Beam	No Messages	0.121314	PMM	COMB2	0	No Messages	No Messages
1418	T38x2mm	Beam	No Messages	0.143815	PMM	COMB2	1.475	No Messages	No Messages
1419	T38x2mm	Beam	No Messages	0.130951	PMM	COMB2	0.9	No Messages	No Messages
1420	T38x2mm	Beam	No Messages	0.147035	PMM	COMB2	0	No Messages	No Messages
1421	T38x2mm	Beam	No Messages	0.147005	PMM	COMB2	1.475	No Messages	No Messages
1422	T38x2mm	Beam	No Messages	0.130909	PMM	COMB2	0	No Messages	No Messages
1423	T38x2mm	Beam	No Messages	0.143848	PMM	COMB2	0	No Messages	No Messages
1424	T38x2mm	Beam	No Messages	0.121308	PMM	COMB2	1.475	No Messages	No Messages
1425	T38x2mm	Beam	No Messages	0.112833	PMM	COMB2	0	No Messages	No Messages
1426	T38x2mm	Beam	No Messages	0.063273	PMM	COMB2	0	No Messages	No Messages
1427	T38x2mm	Beam	No Messages	0.198788	PMM	COMB2	0	No Messages	No Messages
1428	T38x2mm	Beam	No Messages	0.166969	PMM	COMB2	0.9	No Messages	No Messages
1429	T38x2mm	Beam	No Messages	0.169933	PMM	COMB2	1.475	No Messages	No Messages
1430	T38x2mm	Beam	No Messages	0.13607	PMM	COMB2	1.475	No Messages	No Messages
1431	T38x2mm	Beam	No Messages	0.139444	PMM	COMB2	0	No Messages	No Messages
1432	T38x2mm	Beam	No Messages	0.124043	PMM	COMB2	1.475	No Messages	No Messages
1433	T38x2mm	Beam	No Messages	0.162768	PMM	COMB2	0.9625	No Messages	No Messages
1434	T38x2mm	Beam	No Messages	0.232245	PMM	COMB2	0	No Messages	No Messages
1435	T38x2mm	Beam	No Messages	0.136088	PMM	COMB2	0.8	No Messages	No Messages
1436	T38x2mm	Beam	No Messages	0.105202	PMM	COMB2	0	No Messages	No Messages
1437	T38x2mm	Beam	No Messages	0.128884	PMM	COMB2	0	No Messages	No Messages
1438	T38x2mm	Beam	No Messages	0.275613	PMM	COMB2	1.475	No Messages	No Messages
1439	T38x2mm	Beam	No Messages	0.291997	PMM	COMB2	0	No Messages	No Messages
1440	T38x2mm	Beam	No Messages	0.152283	PMM	COMB2	0	No Messages	No Messages
1441	T38x2mm	Beam	No Messages	0.064019	PMM	COMB2	0.45	No Messages	No Messages
1442	T38x2mm	Beam	No Messages	0.075352	PMM	COMB2	0.8	No Messages	No Messages
1443	T38x2mm	Beam	No Messages	0.118942	PMM	COMB2	0.99375	No Messages	No Messages
1444	T38x2mm	Beam	No Messages	0.112288	PMM	COMB2	0	No Messages	No Messages
1445	T38x2mm	Beam	No Messages	0.089543	PMM	COMB2	0.8	No Messages	No Messages
1446	T38x2mm	Beam	No Messages	0.082929	PMM	COMB2	0.9	No Messages	No Messages
1447	T38x2mm	Beam	No Messages	0.133343	PMM	COMB2	0	No Messages	No Messages
1448	T38x2mm	Beam	No Messages	0.276072	PMM	COMB2	1.475	No Messages	No Messages
1449	T38x2mm	Beam	No Messages	0.287245	PMM	COMB2	0	No Messages	No Messages
1450	T38x2mm	Beam	No Messages	0.142268	PMM	COMB2	0	No Messages	No Messages
1451	T38x2mm	Beam	No Messages	0.045531	PMM	COMB2	0.45	No Messages	No Messages
1452	T38x2mm	Beam	No Messages	0.142657	PMM	COMB2	0.8	No Messages	No Messages
1453	T38x2mm	Beam	No Messages	0.323075	PMM	COMB2	1.475	No Messages	No Messages
1454	T38x2mm	Beam	No Messages	0.323101	PMM	COMB2	0	No Messages	No Messages
1455	T38x2mm	Beam	No Messages	0.142511	PMM	COMB2	0	No Messages	No Messages
1456	T38x2mm	Beam	No Messages	0.045445	PMM	COMB2	0.45	No Messages	No Messages
1457	T38x2mm	Beam	No Messages	0.142292	PMM	COMB2	0.8	No Messages	No Messages
1458	T38x2mm	Beam	No Messages	0.147428	PMM	COMB2	0.8	No Messages	No Messages
1459	T38x2mm	Beam	No Messages	0.22912	PMM	COMB2	1.475	No Messages	No Messages
1460	T38x2mm	Beam	No Messages	0.142835	PMM	COMB2	0	No Messages	No Messages

1461	T38x2mm	Beam	No Messages	0.125797	PMM	COMB2	0	No Messages	No Messages
1462	T38x2mm	Beam	No Messages	0.135486	PMM	COMB2	0	No Messages	No Messages
1463	T38x2mm	Beam	No Messages	0.066715	PMM	COMB2	0	No Messages	No Messages
1464	T38x2mm	Beam	No Messages	0.141446	PMM	COMB2	0	No Messages	No Messages
1465	T38x2mm	Beam	No Messages	0.128957	PMM	COMB2	0	No Messages	No Messages
1466	T38x2mm	Beam	No Messages	0.135227	PMM	COMB2	0	No Messages	No Messages
1467	T38x2mm	Beam	No Messages	0.066552	PMM	COMB2	0	No Messages	No Messages
1468	T38x2mm	Beam	No Messages	0.135527	PMM	COMB2	0	No Messages	No Messages
1469	T38x2mm	Beam	No Messages	0.066719	PMM	COMB2	0	No Messages	No Messages
1470	T38x2mm	Beam	No Messages	0.142049	PMM	COMB2	0	No Messages	No Messages
1471	T38x2mm	Beam	No Messages	0.125667	PMM	COMB2	0	No Messages	No Messages
1472	T38x2mm	Beam	No Messages	0.135269	PMM	COMB2	0	No Messages	No Messages
1473	T38x2mm	Beam	No Messages	0.066561	PMM	COMB2	0	No Messages	No Messages
1474	T38x2mm	Beam	No Messages	0.141831	PMM	COMB2	0	No Messages	No Messages
1475	T38x2mm	Beam	No Messages	0.125787	PMM	COMB2	0	No Messages	No Messages
1476	T38x2mm	Beam	No Messages	0.260932	PMM	COMB2	1.44375	No Messages	No Messages
1477	T38x2mm	Beam	No Messages	0.198381	PMM	COMB2	1.44375	No Messages	No Messages
1478	T38x2mm	Beam	No Messages	0.188122	PMM	COMB2	1.44375	No Messages	No Messages
1479	T38x2mm	Beam	No Messages	0.172857	PMM	COMB2	1.44375	No Messages	No Messages
1480	T38x2mm	Beam	No Messages	0.132357	PMM	COMB2	0	No Messages	No Messages
1481	T38x2mm	Beam	No Messages	0.051423	PMM	COMB2	0.5	No Messages	No Messages
1482	T38x2mm	Beam	No Messages	0.050875	PMM	COMB2	0.5	No Messages	No Messages
1483	T38x2mm	Beam	No Messages	0.083865	PMM	COMB2	0.5	No Messages	No Messages
1484	T38x2mm	Beam	No Messages	0.134407	PMM	COMB2	0.5	No Messages	No Messages
1485	T38x2mm	Beam	No Messages	0.189687	PMM	COMB2	0.5	No Messages	No Messages
1486	T38x2mm	Beam	No Messages	0.18613	PMM	COMB2	0	No Messages	No Messages
1487	T38x2mm	Beam	No Messages	0.053416	PMM	COMB2	0.5	No Messages	No Messages
1488	T38x2mm	Beam	No Messages	0.05299	PMM	COMB2	0.5	No Messages	No Messages
1489	T38x2mm	Beam	No Messages	0.052614	PMM	COMB2	0.5	No Messages	No Messages
1490	T38x2mm	Beam	No Messages	0.064325	PMM	COMB2	0.5	No Messages	No Messages
1491	T38x2mm	Beam	No Messages	0.089316	PMM	COMB2	0.5	No Messages	No Messages
1492	T38x2mm	Beam	No Messages	0.482519	PMM	COMB2	1.21875	No Messages	No Messages
1493	T38x2mm	Beam	No Messages	0.199421	PMM	COMB2	1.22	No Messages	No Messages
1494	T38x2mm	Beam	No Messages	0.206215	PMM	COMB2	0.9625	No Messages	No Messages
1495	T38x2mm	Beam	No Messages	0.427882	PMM	COMB2	0	No Messages	No Messages
1496	T38x2mm	Beam	No Messages	0.208127	PMM	COMB2	0	No Messages	No Messages
1497	T38x2mm	Beam	No Messages	0.173153	PMM	COMB2	0.5	No Messages	No Messages
1498	T38x2mm	Beam	No Messages	0.212009	PMM	COMB2	0.625	No Messages	No Messages
1499	T38x2mm	Beam	No Messages	0.198543	PMM	COMB2	0.25	No Messages	No Messages
1500	T38x2mm	Beam	No Messages	0.156787	PMM	COMB2	0	No Messages	No Messages
1501	T38x2mm	Beam	No Messages	0.155883	PMM	COMB2	1	No Messages	No Messages
1502	T38x2mm	Beam	No Messages	0.264271	PMM	COMB2	1	No Messages	No Messages
1503	T38x2mm	Beam	No Messages	0.263796	PMM	COMB2	0	No Messages	No Messages
1504	T38x2mm	Beam	No Messages	0.144504	PMM	COMB2	0	No Messages	No Messages
1505	T38x2mm	Beam	No Messages	0.134113	PMM	COMB2	0.5	No Messages	No Messages
1506	T38x2mm	Beam	No Messages	0.142464	PMM	COMB2	0.5	No Messages	No Messages
1507	T38x2mm	Beam	No Messages	0.071752	PMM	COMB2	0.375	No Messages	No Messages
1508	T38x2mm	Beam	No Messages	0.112254	PMM	COMB2	0.625	No Messages	No Messages
1509	T38x2mm	Beam	No Messages	0.102885	PMM	COMB2	0.25	No Messages	No Messages
1510	T38x2mm	Beam	No Messages	0.067911	PMM	COMB2	0	No Messages	No Messages
1511	T38x2mm	Beam	No Messages	0.06774	PMM	COMB2	1	No Messages	No Messages
1512	T38x2mm	Beam	No Messages	0.167427	PMM	COMB2	1	No Messages	No Messages
1513	T38x2mm	Beam	No Messages	0.167534	PMM	COMB2	0	No Messages	No Messages
1514	T38x2mm	Beam	No Messages	0.054857	PMM	COMB2	0	No Messages	No Messages
1515	T38x2mm	Beam	No Messages	0.04377	PMM	COMB2	0	No Messages	No Messages
1516	T38x2mm	Beam	No Messages	0.050017	PMM	COMB2	0.5	No Messages	No Messages
1517	T38x2mm	Beam	No Messages	0.160616	PMM	COMB2	0.5	No Messages	No Messages
1518	T38x2mm	Beam	No Messages	0.184668	PMM	COMB2	0.5	No Messages	No Messages
1519	T38x2mm	Beam	No Messages	0.063658	PMM	COMB2	0.5	No Messages	No Messages
1520	T38x2mm	Beam	No Messages	0.089093	PMM	COMB2	0.5	No Messages	No Messages
1521	T38x2mm	Beam	No Messages	0.267321	PMM	COMB2	1.2175	No Messages	No Messages
1522	T38x2mm	Beam	No Messages	0.199594	PMM	COMB2	1.2175	No Messages	No Messages
1523	T38x2mm	Beam	No Messages	0.206259	PMM	COMB2	0.9625	No Messages	No Messages
1524	T38x2mm	Beam	No Messages	0.383326	PMM	COMB2	0	No Messages	No Messages
1525	T38x2mm	Beam	No Messages	0.208145	PMM	COMB2	0	No Messages	No Messages
1526	T38x2mm	Beam	No Messages	0.149057	PMM	COMB2	0.5	No Messages	No Messages

1527	T38x2mm	Beam	No Messages	0.178186	PMM	COMB2	0.625	No Messages	No Messages
1528	T38x2mm	Beam	No Messages	0.133672	PMM	COMB2	0.25	No Messages	No Messages
1529	T38x2mm	Beam	No Messages	0.061542	PMM	COMB2	0	No Messages	No Messages
1530	T38x2mm	Beam	No Messages	0.051765	PMM	COMB2	0	No Messages	No Messages
1531	T38x2mm	Beam	No Messages	0.071849	PMM	COMB2	0.375	No Messages	No Messages
1532	T38x2mm	Beam	No Messages	0.112943	PMM	COMB2	0.625	No Messages	No Messages
1533	T38x2mm	Beam	No Messages	0.10467	PMM	COMB2	0.25	No Messages	No Messages
1534	T38x2mm	Beam	No Messages	0.063798	PMM	COMB2	0	No Messages	No Messages
1535	T38x2mm	Beam	No Messages	0.045857	PMM	COMB2	0	No Messages	No Messages
1536	T38x2mm	Beam	No Messages	0.184199	PMM	COMB2	0.9975	No Messages	No Messages
1537	T38x2mm	Beam	No Messages	0.133872	PMM	COMB2	0.99875	No Messages	No Messages
1538	T38x2mm	Beam	No Messages	0.119551	PMM	COMB2	0	No Messages	No Messages
1539	T38x2mm	Beam	No Messages	0.18314	PMM	COMB2	0.825	No Messages	No Messages
1540	T38x2mm	Beam	No Messages	0.116261	PMM	COMB2	0	No Messages	No Messages
1541	T38x2mm	Beam	No Messages	0.185086	PMM	COMB2	0.825	No Messages	No Messages
1542	T38x2mm	Beam	No Messages	0.578826	PMM	COMB2	0	No Messages	No Messages
1543	T38x2mm	Beam	No Messages	0.331536	PMM	COMB2	0.625	No Messages	No Messages
1544	T38x2mm	Beam	No Messages	0.195149	PMM	COMB2	0.5	No Messages	No Messages
1545	T38x2mm	Beam	No Messages	0.32735	PMM	COMB2	1	No Messages	No Messages
1546	T38x2mm	Beam	No Messages	0.310988	PMM	COMB2	0	No Messages	No Messages
1547	T38x2mm	Beam	No Messages	0.2592	PMM	COMB2	0.375	No Messages	No Messages
1548	T38x2mm	Beam	No Messages	0.557189	PMM	COMB2	0	No Messages	No Messages
1549	T38x2mm	Beam	No Messages	0.327359	PMM	COMB2	0.625	No Messages	No Messages
1550	T38x2mm	Beam	No Messages	0.199698	PMM	COMB2	0.5	No Messages	No Messages
1551	T38x2mm	Beam	No Messages	0.291087	PMM	COMB2	1	No Messages	No Messages
1552	T38x2mm	Beam	No Messages	0.285393	PMM	COMB2	0	No Messages	No Messages
1553	T38x2mm	Beam	No Messages	0.268553	PMM	COMB2	0.375	No Messages	No Messages
1554	T38x2mm	Beam	No Messages	0.463126	PMM	COMB2	1.21875	No Messages	No Messages
1555	T38x2mm	Beam	No Messages	0.393512	PMM	COMB2	1.21875	No Messages	No Messages
1556	T38x2mm	Beam	No Messages	1.006553	PMM	COMB2	0	No Messages	No Messages
1557	T38x2mm	Beam	No Messages	0.048471	PMM	COMB2	0	No Messages	No Messages
1558	T38x2mm	Beam	No Messages	0.941369	PMM	COMB2	1	No Messages	No Messages
1559	T38x2mm	Beam	No Messages	0.941886	PMM	COMB2	1	No Messages	No Messages
1560	T38x2mm	Beam	No Messages	0.873831	PMM	COMB2	0	No Messages	No Messages
1561	T38x2mm	Beam	No Messages	0.847593	PMM	COMB2	0	No Messages	No Messages
1562	T38x2mm	Beam	No Messages	0.853389	PMM	COMB2	1	No Messages	No Messages
1563	T38x2mm	Beam	No Messages	1.04403	PMM	COMB2	1	No Messages	No Messages
1564	T38x2mm	Beam	No Messages	1.119518	PMM	COMB2	0	No Messages	No Messages
1565	T38x2mm	Beam	No Messages	0.927084	PMM	COMB2	0	No Messages	No Messages
1566	T38x2mm	Beam	No Messages	0.918472	PMM	COMB2	1	No Messages	No Messages
1567	T38x2mm	Beam	No Messages	0.942098	PMM	COMB2	1	No Messages	No Messages
1568	T38x2mm	Beam	No Messages	0.011804	PMM	COMB2	0	No Messages	No Messages
1569	T38x2mm	Beam	No Messages	0.051572	PMM	COMB1	1	No Messages	No Messages
1570	T38x2mm	Beam	No Messages	0.044728	PMM	COMB1	0	No Messages	No Messages
1571	T38x2mm	Beam	No Messages	0.011664	PMM	COMB1	0.75	No Messages	No Messages
1572	T38x2mm	Beam	No Messages	0.013774	PMM	COMB1	0.5	No Messages	No Messages
1573	T38x2mm	Beam	No Messages	0.056662	PMM	COMB1	1	No Messages	No Messages
1574	T38x2mm	Beam	No Messages	0.060074	PMM	COMB1	0	No Messages	No Messages
1575	T38x2mm	Beam	No Messages	0.013913	PMM	COMB1	0.5	No Messages	No Messages
1576	T38x2mm	Beam	No Messages	0.011567	PMM	COMB1	0.25	No Messages	No Messages
1577	T38x2mm	Beam	No Messages	0.044801	PMM	COMB1	1	No Messages	No Messages
1578	T38x2mm	Beam	No Messages	1.008329	PMM	COMB2	0	No Messages	No Messages
1579	T38x2mm	Beam	No Messages	1.007398	PMM	COMB2	0	No Messages	No Messages
1580	T38x2mm	Beam	No Messages	0.052912	PMM	COMB2	0	No Messages	No Messages
1581	T38x2mm	Beam	No Messages	0.011856	PMM	COMB2	1	No Messages	No Messages
1582	T38x2mm	Beam	No Messages	1.072163	PMM	COMB2	1.2175	No Messages	No Messages
1583	T38x2mm	Beam	No Messages	0.04815	PMM	COMB2	1.2175	No Messages	No Messages
1584	T38x2mm	Beam	No Messages	0.48802	PMM	COMB2	0	No Messages	No Messages
1585	T38x2mm	Beam	No Messages	0.38776	PMM	COMB2	0	No Messages	No Messages
1586	T38x2mm	Beam	No Messages	0.205903	PMM	COMB2	0.625	No Messages	No Messages
1587	T38x2mm	Beam	No Messages	0.24745	PMM	COMB2	1	No Messages	No Messages
1588	T38x2mm	Beam	No Messages	0.233837	PMM	COMB2	0	No Messages	No Messages
1589	T38x2mm	Beam	No Messages	0.1853	PMM	COMB2	0.5	No Messages	No Messages
1590	T38x2mm	Beam	No Messages	0.275421	PMM	COMB2	0.375	No Messages	No Messages
1591	T38x2mm	Beam	No Messages	0.255251	PMM	COMB2	0.625	No Messages	No Messages
1592	T38x2mm	Beam	No Messages	0.28693	PMM	COMB2	1	No Messages	No Messages

1593	T38x2mm	Beam	No Messages	0.290816	PMM	COMB2	0	No Messages	No Messages
1594	T38x2mm	Beam	No Messages	0.199129	PMM	COMB2	0.5	No Messages	No Messages
1595	T38x2mm	Beam	No Messages	0.32664	PMM	COMB2	0.375	No Messages	No Messages
1596	T38x2mm	Beam	No Messages	0.497202	PMM	COMB2	0.99875	No Messages	No Messages
1597	T38x2mm	Beam	No Messages	0.569758	PMM	COMB2	0.99875	No Messages	No Messages
1598	T38x2mm	Beam	No Messages	0.038386	PMM	COMB2	0	No Messages	No Messages
1599	T38x2mm	Beam	No Messages	0.064998	PMM	COMB2	0	No Messages	No Messages
1600	T38x2mm	Beam	No Messages	0.25842	PMM	COMB2	0	No Messages	No Messages
1601	T38x2mm	Beam	No Messages	0.116834	PMM	COMB2	0.625	No Messages	No Messages
1602	T38x2mm	Beam	No Messages	0.132228	PMM	COMB2	0.42292	No Messages	No Messages
1603	T38x2mm	Beam	No Messages	0.159508	PMM	COMB2	0.42292	No Messages	No Messages
1604	T38x2mm	Beam	No Messages	0.256468	PMM	COMB2	0	No Messages	No Messages
1605	T38x2mm	Beam	No Messages	0.116486	PMM	COMB2	0.625	No Messages	No Messages
1606	T38x2mm	Beam	No Messages	0.038673	PMM	COMB2	0	No Messages	No Messages
1607	T38x2mm	Beam	No Messages	0.065015	PMM	COMB2	0	No Messages	No Messages
1608	T38x2mm	Beam	No Messages	0.159528	PMM	COMB2	0.42292	No Messages	No Messages
1609	T38x2mm	Beam	No Messages	0.132202	PMM	COMB2	0.42292	No Messages	No Messages
1610	T38x2mm	Beam	No Messages	0.372818	PMM	COMB2	0.9625	No Messages	No Messages
1611	T38x2mm	Beam	No Messages	0.118427	PMM	COMB2	0	No Messages	No Messages
1612	T38x2mm	Beam	No Messages	0.232305	PMM	COMB2	0	No Messages	No Messages
1613	T38x2mm	Beam	No Messages	0.120874	PMM	COMB2	0.8	No Messages	No Messages
1614	T38x2mm	Beam	No Messages	0.100168	PMM	COMB2	0.9	No Messages	No Messages
1615	T38x2mm	Beam	No Messages	0.302162	PMM	COMB2	0	No Messages	No Messages
1616	T38x2mm	Beam	No Messages	0.135509	PMM	COMB2	0	No Messages	No Messages
1617	T38x2mm	Beam	No Messages	0.0552	PMM	COMB2	0.45	No Messages	No Messages
1618	T38x2mm	Beam	No Messages	0.070876	PMM	COMB2	0.8	No Messages	No Messages
1619	T38x2mm	Beam	No Messages	0.104068	PMM	COMB2	0.99375	No Messages	No Messages
1620	T38x2mm	Beam	No Messages	0.110464	PMM	COMB2	0	No Messages	No Messages
1621	T38x2mm	Beam	No Messages	0.07657	PMM	COMB2	0	No Messages	No Messages
1622	T38x2mm	Beam	No Messages	0.059325	PMM	COMB2	0.45	No Messages	No Messages
1623	T38x2mm	Beam	No Messages	0.138785	PMM	COMB2	0.8	No Messages	No Messages
1624	T38x2mm	Beam	No Messages	0.293626	PMM	COMB2	1.475	No Messages	No Messages
1625	T38x2mm	Beam	No Messages	0.28553	PMM	COMB2	0	No Messages	No Messages
1626	T38x2mm	Beam	No Messages	0.125705	PMM	COMB2	0	No Messages	No Messages
1627	T38x2mm	Beam	No Messages	0.111579	PMM	COMB2	0.9	No Messages	No Messages
1628	T38x2mm	Beam	No Messages	0.135466	PMM	COMB2	1.475	No Messages	No Messages
1629	T38x2mm	Beam	No Messages	0.132271	PMM	COMB2	0	No Messages	No Messages
1630	T38x2mm	Beam	No Messages	0.112558	PMM	COMB2	0	No Messages	No Messages
1631	T38x2mm	Beam	No Messages	0.099493	PMM	COMB1	0.99375	No Messages	No Messages
1632	T38x2mm	Beam	No Messages	0.535496	PMM	COMB2	0.9625	No Messages	No Messages
1633	T38x2mm	Beam	No Messages	0.215344	PMM	COMB2	0	No Messages	No Messages
1634	T38x2mm	Beam	No Messages	1.107714	PMM	COMB2	0	No Messages	No Messages
1635	T38x2mm	Beam	No Messages	1.061694	PMM	COMB2	0.9	No Messages	No Messages
1636	T38x2mm	Beam	No Messages	1.076981	PMM	COMB2	1.475	No Messages	No Messages
1637	T38x2mm	Beam	No Messages	1.031005	PMM	COMB2	0	No Messages	No Messages
1638	T38x2mm	Beam	No Messages	0.982767	PMM	COMB2	0.9	No Messages	No Messages
1639	T38x2mm	Beam	No Messages	1.022783	PMM	COMB2	1.475	No Messages	No Messages
1640	T38x2mm	Beam	No Messages	1.022773	PMM	COMB2	0	No Messages	No Messages
1641	T38x2mm	Beam	No Messages	0.982883	PMM	COMB2	0	No Messages	No Messages
1642	T38x2mm	Beam	No Messages	1.031242	PMM	COMB2	1.475	No Messages	No Messages
1643	T38x2mm	Beam	No Messages	1.077257	PMM	COMB2	0	No Messages	No Messages
1644	T38x2mm	Beam	No Messages	1.062174	PMM	COMB2	0	No Messages	No Messages
1645	T38x2mm	Beam	No Messages	1.108429	PMM	COMB2	0.99375	No Messages	No Messages
1646	T38x2mm	Beam	No Messages	0.216372	PMM	COMB2	0.9625	No Messages	No Messages
1647	T38x2mm	Beam	No Messages	0.295753	PMM	COMB2	0	No Messages	No Messages
1648	T38x2mm	Beam	No Messages	0.076245	PMM	COMB2	0.99375	No Messages	No Messages
1649	T38x2mm	Beam	No Messages	0.111226	PMM	COMB2	0.9	No Messages	No Messages
1650	T38x2mm	Beam	No Messages	0.128373	PMM	COMB2	1.475	No Messages	No Messages
1651	T38x2mm	Beam	No Messages	0.143615	PMM	COMB2	0	No Messages	No Messages
1652	T38x2mm	Beam	No Messages	0.107415	PMM	COMB2	0	No Messages	No Messages
1653	T38x2mm	Beam	No Messages	0.125623	PMM	COMB2	1.475	No Messages	No Messages
1654	T38x2mm	Beam	No Messages	0.122351	PMM	COMB2	0	No Messages	No Messages
1655	T38x2mm	Beam	No Messages	0.225319	PMM	COMB2	0	No Messages	No Messages
1656	T38x2mm	Beam	No Messages	0.120712	PMM	COMB2	0.8	No Messages	No Messages
1657	T38x2mm	Beam	No Messages	0.097345	PMM	COMB2	0.9	No Messages	No Messages
1658	T38x2mm	Beam	No Messages	0.112911	PMM	COMB2	0.8	No Messages	No Messages

1659	T38x2mm	Beam	No Messages	0.280599	PMM	COMB2	1.475	No Messages	No Messages
1660	T38x2mm	Beam	No Messages	0.301274	PMM	COMB2	0	No Messages	No Messages
1661	T38x2mm	Beam	No Messages	0.136089	PMM	COMB2	0	No Messages	No Messages
1662	T38x2mm	Beam	No Messages	0.055106	PMM	COMB2	0.45	No Messages	No Messages
1663	T38x2mm	Beam	No Messages	0.071731	PMM	COMB2	0.8	No Messages	No Messages
1664	T38x2mm	Beam	No Messages	0.103644	PMM	COMB2	0.99375	No Messages	No Messages
1665	T38x2mm	Beam	No Messages	0.11047	PMM	COMB2	0	No Messages	No Messages
1666	T38x2mm	Beam	No Messages	0.076503	PMM	COMB2	0	No Messages	No Messages
1667	T38x2mm	Beam	No Messages	0.059335	PMM	COMB2	0.45	No Messages	No Messages
1668	T38x2mm	Beam	No Messages	0.138835	PMM	COMB2	0.8	No Messages	No Messages
1669	T38x2mm	Beam	No Messages	0.293598	PMM	COMB2	1.475	No Messages	No Messages
1670	T38x2mm	Beam	No Messages	0.285594	PMM	COMB2	0	No Messages	No Messages
1671	T38x2mm	Beam	No Messages	0.126422	PMM	COMB2	0	No Messages	No Messages
1672	T38x2mm	Beam	No Messages	0.050622	PMM	COMB2	0	No Messages	No Messages
1673	T38x2mm	Beam	No Messages	0.126563	PMM	COMB2	0.8	No Messages	No Messages
1674	T38x2mm	Beam	No Messages	0.326036	PMM	COMB2	1.475	No Messages	No Messages
1675	T38x2mm	Beam	No Messages	0.326092	PMM	COMB2	0	No Messages	No Messages
1676	T38x2mm	Beam	No Messages	0.126487	PMM	COMB2	0	No Messages	No Messages
1677	T38x2mm	Beam	No Messages	0.050498	PMM	COMB2	0.9	No Messages	No Messages
1678	T38x2mm	Beam	No Messages	0.126495	PMM	COMB2	0.8	No Messages	No Messages
1679	T38x2mm	Beam	No Messages	0.112055	PMM	COMB2	0.8	No Messages	No Messages
1680	T38x2mm	Beam	No Messages	0.280781	PMM	COMB2	1.475	No Messages	No Messages
1681	T38x2mm	Beam	No Messages	0.360003	PMM	COMB2	0	No Messages	No Messages
1682	T38x2mm	Beam	No Messages	0.119465	PMM	COMB2	0.9625	No Messages	No Messages
1683	T38x2mm	Beam	No Messages	0.26442	PMM	COMB2	0	No Messages	No Messages
1684	T38x2mm	Beam	No Messages	0.122077	PMM	COMB2	0.8	No Messages	No Messages
1685	T38x2mm	Beam	No Messages	0.111235	PMM	COMB2	0.9	No Messages	No Messages
1686	T38x2mm	Beam	No Messages	0.302524	PMM	COMB2	0	No Messages	No Messages
1687	T38x2mm	Beam	No Messages	0.135622	PMM	COMB2	0	No Messages	No Messages
1688	T38x2mm	Beam	No Messages	0.054337	PMM	COMB2	0.45	No Messages	No Messages
1689	T38x2mm	Beam	No Messages	0.071082	PMM	COMB2	0.8	No Messages	No Messages
1690	T38x2mm	Beam	No Messages	0.103256	PMM	COMB2	0.99375	No Messages	No Messages
1691	T38x2mm	Beam	No Messages	0.110273	PMM	COMB2	0	No Messages	No Messages
1692	T38x2mm	Beam	No Messages	0.076816	PMM	COMB2	0	No Messages	No Messages
1693	T38x2mm	Beam	No Messages	0.059323	PMM	COMB2	0.45	No Messages	No Messages
1694	T38x2mm	Beam	No Messages	0.138992	PMM	COMB2	0.8	No Messages	No Messages
1695	T38x2mm	Beam	No Messages	0.293634	PMM	COMB2	1.475	No Messages	No Messages
1696	T38x2mm	Beam	No Messages	0.28546	PMM	COMB2	0	No Messages	No Messages
1697	T38x2mm	Beam	No Messages	0.140366	PMM	COMB2	0	No Messages	No Messages
1698	T38x2mm	Beam	No Messages	0.136658	PMM	COMB2	0.9	No Messages	No Messages
1699	T38x2mm	Beam	No Messages	0.110746	PMM	COMB2	1.475	No Messages	No Messages
1700	T38x2mm	Beam	No Messages	0.182782	PMM	COMB2	0	No Messages	No Messages
1701	T38x2mm	Beam	No Messages	0.14492	PMM	COMB2	0	No Messages	No Messages
1702	T38x2mm	Beam	No Messages	0.154597	PMM	COMB2	0.99375	No Messages	No Messages
1703	T38x2mm	Beam	No Messages	0.072117	PMM	COMB2	0.99375	No Messages	No Messages
1704	T38x2mm	Beam	No Messages	0.107467	PMM	COMB2	0.9	No Messages	No Messages
1705	T38x2mm	Beam	No Messages	0.129316	PMM	COMB2	1.475	No Messages	No Messages
1706	T38x2mm	Beam	No Messages	0.135973	PMM	COMB2	0	No Messages	No Messages
1707	T38x2mm	Beam	No Messages	0.109408	PMM	COMB2	0.9	No Messages	No Messages
1708	T38x2mm	Beam	No Messages	0.142298	PMM	COMB2	1.475	No Messages	No Messages
1709	T38x2mm	Beam	No Messages	0.142313	PMM	COMB2	0	No Messages	No Messages
1710	T38x2mm	Beam	No Messages	0.109392	PMM	COMB2	0	No Messages	No Messages
1711	T38x2mm	Beam	No Messages	0.135947	PMM	COMB2	1.475	No Messages	No Messages
1712	T38x2mm	Beam	No Messages	0.129313	PMM	COMB2	0	No Messages	No Messages
1713	T38x2mm	Beam	No Messages	0.107455	PMM	COMB2	0	No Messages	No Messages
1714	T38x2mm	Beam	No Messages	0.072135	PMM	COMB2	0	No Messages	No Messages
1715	T38x2mm	Beam	No Messages	0.154599	PMM	COMB2	0	No Messages	No Messages
1716	T38x2mm	Beam	No Messages	0.144977	PMM	COMB2	0.9	No Messages	No Messages
1717	T38x2mm	Beam	No Messages	0.182797	PMM	COMB2	1.475	No Messages	No Messages
1718	T38x2mm	Beam	No Messages	0.110763	PMM	COMB2	0	No Messages	No Messages
1719	T38x2mm	Beam	No Messages	0.136693	PMM	COMB2	0	No Messages	No Messages
1720	T38x2mm	Beam	No Messages	0.140339	PMM	COMB2	1.475	No Messages	No Messages
1721	T38x2mm	Beam	No Messages	0.119458	PMM	COMB2	0.9625	No Messages	No Messages
1722	T38x2mm	Beam	No Messages	0.264505	PMM	COMB2	0	No Messages	No Messages
1723	T38x2mm	Beam	No Messages	0.12198	PMM	COMB2	0.8	No Messages	No Messages
1724	T38x2mm	Beam	No Messages	0.111092	PMM	COMB2	0.9	No Messages	No Messages

1725	T38x2mm	Beam	No Messages	0.109431	PMM	COMB2	0	No Messages	No Messages
1726	T38x2mm	Beam	No Messages	0.278055	PMM	COMB2	1.475	No Messages	No Messages
1727	T38x2mm	Beam	No Messages	0.302586	PMM	COMB2	0	No Messages	No Messages
1728	T38x2mm	Beam	No Messages	0.135643	PMM	COMB2	0	No Messages	No Messages
1729	T38x2mm	Beam	No Messages	0.054452	PMM	COMB2	0.45	No Messages	No Messages
1730	T38x2mm	Beam	No Messages	0.071183	PMM	COMB2	0.8	No Messages	No Messages
1731	T38x2mm	Beam	No Messages	0.103649	PMM	COMB2	0.99375	No Messages	No Messages
1732	T38x2mm	Beam	No Messages	0.110275	PMM	COMB2	0	No Messages	No Messages
1733	T38x2mm	Beam	No Messages	0.076754	PMM	COMB2	0	No Messages	No Messages
1734	T38x2mm	Beam	No Messages	0.059331	PMM	COMB2	0.45	No Messages	No Messages
1735	T38x2mm	Beam	No Messages	0.139044	PMM	COMB2	0.8	No Messages	No Messages
1736	T38x2mm	Beam	No Messages	0.293604	PMM	COMB2	1.475	No Messages	No Messages
1737	T38x2mm	Beam	No Messages	0.285523	PMM	COMB2	0	No Messages	No Messages
1738	T38x2mm	Beam	No Messages	0.126452	PMM	COMB2	0	No Messages	No Messages
1739	T38x2mm	Beam	No Messages	0.050634	PMM	COMB2	0	No Messages	No Messages
1740	T38x2mm	Beam	No Messages	0.126571	PMM	COMB2	0.8	No Messages	No Messages
1741	T38x2mm	Beam	No Messages	0.326036	PMM	COMB2	1.475	No Messages	No Messages
1742	T38x2mm	Beam	No Messages	0.326093	PMM	COMB2	0	No Messages	No Messages
1743	T38x2mm	Beam	No Messages	0.126495	PMM	COMB2	0	No Messages	No Messages
1744	T38x2mm	Beam	No Messages	0.05051	PMM	COMB2	0.9	No Messages	No Messages
1745	T38x2mm	Beam	No Messages	0.126525	PMM	COMB2	0.8	No Messages	No Messages
1746	T38x2mm	Beam	No Messages	0.109345	PMM	COMB2	0	No Messages	No Messages
1747	T38x2mm	Beam	No Messages	0.27814	PMM	COMB2	1.475	No Messages	No Messages
1748	T38x2mm	Beam	No Messages	0.110738	PMM	COMB2	0	No Messages	No Messages
1749	T38x2mm	Beam	No Messages	0.221697	PMM	COMB2	0	No Messages	No Messages
1750	T38x2mm	Beam	No Messages	0.131579	PMM	COMB2	0.8	No Messages	No Messages
1751	T38x2mm	Beam	No Messages	0.102684	PMM	COMB2	0	No Messages	No Messages
1752	T38x2mm	Beam	No Messages	0.260471	PMM	COMB2	0	No Messages	No Messages
1753	T38x2mm	Beam	No Messages	0.133575	PMM	COMB2	0	No Messages	No Messages
1754	T38x2mm	Beam	No Messages	0.056648	PMM	COMB2	0	No Messages	No Messages
1755	T38x2mm	Beam	No Messages	0.064338	PMM	COMB2	0.8	No Messages	No Messages
1756	T38x2mm	Beam	No Messages	0.102896	PMM	COMB2	0.99375	No Messages	No Messages
1757	T38x2mm	Beam	No Messages	0.138573	PMM	COMB2	0	No Messages	No Messages
1758	T38x2mm	Beam	No Messages	0.088387	PMM	COMB2	0.8	No Messages	No Messages
1759	T38x2mm	Beam	No Messages	0.100695	PMM	COMB2	0.9	No Messages	No Messages
1760	T38x2mm	Beam	No Messages	0.118144	PMM	COMB2	0.8	No Messages	No Messages
1761	T38x2mm	Beam	No Messages	0.282015	PMM	COMB2	1.475	No Messages	No Messages
1762	T38x2mm	Beam	No Messages	0.293215	PMM	COMB2	0	No Messages	No Messages
1763	T38x2mm	Beam	No Messages	0.171066	PMM	COMB2	0	No Messages	No Messages
1764	T38x2mm	Beam	No Messages	0.136824	PMM	COMB2	0.9	No Messages	No Messages
1765	T38x2mm	Beam	No Messages	0.12586	PMM	COMB2	1.475	No Messages	No Messages
1766	T38x2mm	Beam	No Messages	0.196731	PMM	COMB2	0	No Messages	No Messages
1767	T38x2mm	Beam	No Messages	0.139662	PMM	COMB2	0	No Messages	No Messages
1768	T38x2mm	Beam	No Messages	0.156864	PMM	COMB2	0.99375	No Messages	No Messages
1769	T38x2mm	Beam	No Messages	0.071482	PMM	COMB2	0.99375	No Messages	No Messages
1770	T38x2mm	Beam	No Messages	0.106982	PMM	COMB2	0.9	No Messages	No Messages
1771	T38x2mm	Beam	No Messages	0.13073	PMM	COMB2	1.475	No Messages	No Messages
1772	T38x2mm	Beam	No Messages	0.137077	PMM	COMB2	0	No Messages	No Messages
1773	T38x2mm	Beam	No Messages	0.109361	PMM	COMB2	0.9	No Messages	No Messages
1774	T38x2mm	Beam	No Messages	0.142571	PMM	COMB2	1.475	No Messages	No Messages
1775	T38x2mm	Beam	No Messages	0.142583	PMM	COMB2	0	No Messages	No Messages
1776	T38x2mm	Beam	No Messages	0.109346	PMM	COMB2	0	No Messages	No Messages
1777	T38x2mm	Beam	No Messages	0.137031	PMM	COMB2	1.475	No Messages	No Messages
1778	T38x2mm	Beam	No Messages	0.130695	PMM	COMB2	0	No Messages	No Messages
1779	T38x2mm	Beam	No Messages	0.106981	PMM	COMB2	0	No Messages	No Messages
1780	T38x2mm	Beam	No Messages	0.071504	PMM	COMB2	0	No Messages	No Messages
1781	T38x2mm	Beam	No Messages	0.154904	PMM	COMB2	0	No Messages	No Messages
1782	T38x2mm	Beam	No Messages	0.144878	PMM	COMB2	0.9	No Messages	No Messages
1783	T38x2mm	Beam	No Messages	0.182936	PMM	COMB2	1.475	No Messages	No Messages
1784	T38x2mm	Beam	No Messages	0.110904	PMM	COMB2	0	No Messages	No Messages
1785	T38x2mm	Beam	No Messages	0.136636	PMM	COMB2	0	No Messages	No Messages
1786	T38x2mm	Beam	No Messages	0.140215	PMM	COMB2	1.475	No Messages	No Messages
1787	T38x2mm	Beam	No Messages	0.119688	PMM	COMB2	0.9625	No Messages	No Messages
1788	T38x2mm	Beam	No Messages	0.264246	PMM	COMB2	0	No Messages	No Messages
1789	T38x2mm	Beam	No Messages	0.121996	PMM	COMB2	0.8	No Messages	No Messages
1790	T38x2mm	Beam	No Messages	0.110117	PMM	COMB2	0.9	No Messages	No Messages

1791	T38x2mm	Beam	No Messages	0.109813	PMM	COMB2	0	No Messages	No Messages
1792	T38x2mm	Beam	No Messages	0.279071	PMM	COMB2	1.475	No Messages	No Messages
1793	T38x2mm	Beam	No Messages	0.300519	PMM	COMB2	0	No Messages	No Messages
1794	T38x2mm	Beam	No Messages	0.132577	PMM	COMB2	0	No Messages	No Messages
1795	T38x2mm	Beam	No Messages	0.051007	PMM	COMB2	0.45	No Messages	No Messages
1796	T38x2mm	Beam	No Messages	0.069843	PMM	COMB2	0.8	No Messages	No Messages
1797	T38x2mm	Beam	No Messages	0.111815	PMM	COMB2	0.99375	No Messages	No Messages
1798	T38x2mm	Beam	No Messages	0.137199	PMM	COMB2	0	No Messages	No Messages
1799	T38x2mm	Beam	No Messages	0.088033	PMM	COMB2	0.8	No Messages	No Messages
1800	T38x2mm	Beam	No Messages	0.099667	PMM	COMB2	0.9	No Messages	No Messages
1801	T38x2mm	Beam	No Messages	0.118457	PMM	COMB2	0.8	No Messages	No Messages
1802	T38x2mm	Beam	No Messages	0.282161	PMM	COMB2	1.475	No Messages	No Messages
1803	T38x2mm	Beam	No Messages	0.293164	PMM	COMB2	0	No Messages	No Messages
1804	T38x2mm	Beam	No Messages	0.123176	PMM	COMB2	0	No Messages	No Messages
1805	T38x2mm	Beam	No Messages	0.048403	PMM	COMB2	0	No Messages	No Messages
1806	T38x2mm	Beam	No Messages	0.123716	PMM	COMB2	0.8	No Messages	No Messages
1807	T38x2mm	Beam	No Messages	0.325662	PMM	COMB2	1.475	No Messages	No Messages
1808	T38x2mm	Beam	No Messages	0.325684	PMM	COMB2	0	No Messages	No Messages
1809	T38x2mm	Beam	No Messages	0.123608	PMM	COMB2	0	No Messages	No Messages
1810	T38x2mm	Beam	No Messages	0.048281	PMM	COMB2	0.9	No Messages	No Messages
1811	T38x2mm	Beam	No Messages	0.123212	PMM	COMB2	0.8	No Messages	No Messages
1812	T38x2mm	Beam	No Messages	0.126728	PMM	COMB2	0.8	No Messages	No Messages
1813	T38x2mm	Beam	No Messages	0.239862	PMM	COMB2	1.475	No Messages	No Messages
1814	T38x2mm	Beam	No Messages	0.141132	PMM	COMB2	1.44375	No Messages	No Messages
1815	T38x2mm	Beam	No Messages	0.142212	PMM	COMB2	0	No Messages	No Messages
1816	T38x2mm	Beam	No Messages	0.110496	PMM	COMB2	0	No Messages	No Messages
1817	T38x2mm	Beam	No Messages	0.065789	PMM	COMB2	0	No Messages	No Messages
1818	T38x2mm	Beam	No Messages	0.143282	PMM	COMB2	1.44375	No Messages	No Messages
1819	T38x2mm	Beam	No Messages	0.144362	PMM	COMB2	0	No Messages	No Messages
1820	T38x2mm	Beam	No Messages	0.110177	PMM	COMB2	0	No Messages	No Messages
1821	T38x2mm	Beam	No Messages	0.065483	PMM	COMB2	0	No Messages	No Messages
1822	T38x2mm	Beam	No Messages	0.110506	PMM	COMB2	0	No Messages	No Messages
1823	T38x2mm	Beam	No Messages	0.065803	PMM	COMB2	0	No Messages	No Messages
1824	T38x2mm	Beam	No Messages	0.140933	PMM	COMB2	1.44375	No Messages	No Messages
1825	T38x2mm	Beam	No Messages	0.142013	PMM	COMB2	0	No Messages	No Messages
1826	T38x2mm	Beam	No Messages	0.11017	PMM	COMB2	0	No Messages	No Messages
1827	T38x2mm	Beam	No Messages	0.065483	PMM	COMB2	0	No Messages	No Messages
1828	T38x2mm	Beam	No Messages	0.141652	PMM	COMB2	1.44375	No Messages	No Messages
1829	T38x2mm	Beam	No Messages	0.142708	PMM	COMB2	0	No Messages	No Messages
1830	T38x2mm	Beam	No Messages	0.179933	PMM	COMB2	1.44375	No Messages	No Messages
1831	T38x2mm	Beam	No Messages	0.107308	PMM	COMB2	1.44375	No Messages	No Messages
1832	T38x2mm	Beam	No Messages	0.101763	PMM	COMB2	1.44375	No Messages	No Messages
1833	T38x2mm	Beam	No Messages	0.116365	PMM	COMB2	1.44375	No Messages	No Messages
1834	T38x2mm	Beam	No Messages	0.105181	PMM	COMB2	0	No Messages	No Messages
1835	T38x2mm	Beam	No Messages	0.073172	PMM	COMB2	0	No Messages	No Messages
1836	T38x2mm	Beam	No Messages	0.074472	PMM	COMB2	0	No Messages	No Messages
1837	T38x2mm	Beam	No Messages	0.099393	PMM	COMB2	0	No Messages	No Messages
1838	T38x2mm	Beam	No Messages	0.121401	PMM	COMB2	0	No Messages	No Messages
1839	T38x2mm	Beam	No Messages	0.137768	PMM	COMB2	0.5	No Messages	No Messages
1840	T38x2mm	Beam	No Messages	0.10045	PMM	COMB2	0	No Messages	No Messages
1841	T38x2mm	Beam	No Messages	0.052135	PMM	COMB2	0	No Messages	No Messages
1842	T38x2mm	Beam	No Messages	0.045181	PMM	COMB2	1	No Messages	No Messages
1843	T38x2mm	Beam	No Messages	0.045181	PMM	COMB2	0	No Messages	No Messages
1844	T38x2mm	Beam	No Messages	0.044657	PMM	COMB2	0.5	No Messages	No Messages
1845	T38x2mm	Beam	No Messages	0.060606	PMM	COMB2	0.5	No Messages	No Messages
1846	T38x2mm	Beam	No Messages	0.379044	PMM	COMB2	1.21875	No Messages	No Messages
1847	T38x2mm	Beam	No Messages	0.146224	PMM	COMB2	1.22	No Messages	No Messages
1848	T38x2mm	Beam	No Messages	0.147373	PMM	COMB2	0.9625	No Messages	No Messages
1849	T38x2mm	Beam	No Messages	0.134595	PMM	COMB2	0	No Messages	No Messages
1850	T38x2mm	Beam	No Messages	0.152726	PMM	COMB2	0	No Messages	No Messages
1851	T38x2mm	Beam	No Messages	0.079266	PMM	COMB2	1	No Messages	No Messages
1852	T38x2mm	Beam	No Messages	0.108378	PMM	COMB2	0.625	No Messages	No Messages
1853	T38x2mm	Beam	No Messages	0.105311	PMM	COMB2	1	No Messages	No Messages
1854	T38x2mm	Beam	No Messages	0.102605	PMM	COMB2	0	No Messages	No Messages
1855	T38x2mm	Beam	No Messages	0.084779	PMM	COMB2	0	No Messages	No Messages
1856	T38x2mm	Beam	No Messages	0.162662	PMM	COMB2	1	No Messages	No Messages

1857	T38x2mm	Beam	No Messages	0.162452	PMM	COMB2	0	No Messages	No Messages
1858	T38x2mm	Beam	No Messages	0.078605	PMM	COMB2	1	No Messages	No Messages
1859	T38x2mm	Beam	No Messages	0.077798	PMM	COMB2	0	No Messages	No Messages
1860	T38x2mm	Beam	No Messages	0.071819	PMM	COMB2	0	No Messages	No Messages
1861	T38x2mm	Beam	No Messages	0.061755	PMM	COMB2	1	No Messages	No Messages
1862	T38x2mm	Beam	No Messages	0.075512	PMM	COMB2	0.625	No Messages	No Messages
1863	T38x2mm	Beam	No Messages	0.07852	PMM	COMB2	1	No Messages	No Messages
1864	T38x2mm	Beam	No Messages	0.075905	PMM	COMB2	0	No Messages	No Messages
1865	T38x2mm	Beam	No Messages	0.056395	PMM	COMB2	0	No Messages	No Messages
1866	T38x2mm	Beam	No Messages	0.129954	PMM	COMB2	1	No Messages	No Messages
1867	T38x2mm	Beam	No Messages	0.130137	PMM	COMB2	0	No Messages	No Messages
1868	T38x2mm	Beam	No Messages	0.050837	PMM	COMB2	1	No Messages	No Messages
1869	T38x2mm	Beam	No Messages	0.050457	PMM	COMB2	0	No Messages	No Messages
1870	T38x2mm	Beam	No Messages	0.046072	PMM	COMB2	0	No Messages	No Messages
1871	T38x2mm	Beam	No Messages	0.076422	PMM	COMB2	0.5	No Messages	No Messages
1872	T38x2mm	Beam	No Messages	0.083585	PMM	COMB2	0.5	No Messages	No Messages
1873	T38x2mm	Beam	No Messages	0.044223	PMM	COMB2	0.5	No Messages	No Messages
1874	T38x2mm	Beam	No Messages	0.060516	PMM	COMB2	0.5	No Messages	No Messages
1875	T38x2mm	Beam	No Messages	0.125828	PMM	COMB2	1.2175	No Messages	No Messages
1876	T38x2mm	Beam	No Messages	0.146235	PMM	COMB2	1.2175	No Messages	No Messages
1877	T38x2mm	Beam	No Messages	0.147432	PMM	COMB2	0.9625	No Messages	No Messages
1878	T38x2mm	Beam	No Messages	0.231903	PMM	COMB2	0	No Messages	No Messages
1879	T38x2mm	Beam	No Messages	0.152746	PMM	COMB2	0	No Messages	No Messages
1880	T38x2mm	Beam	No Messages	0.136326	PMM	COMB2	1	No Messages	No Messages
1881	T38x2mm	Beam	No Messages	0.126621	PMM	COMB2	0.625	No Messages	No Messages
1882	T38x2mm	Beam	No Messages	0.110042	PMM	COMB2	1	No Messages	No Messages
1883	T38x2mm	Beam	No Messages	0.083443	PMM	COMB2	0	No Messages	No Messages
1884	T38x2mm	Beam	No Messages	0.074515	PMM	COMB2	1	No Messages	No Messages
1885	T38x2mm	Beam	No Messages	0.061821	PMM	COMB2	1	No Messages	No Messages
1886	T38x2mm	Beam	No Messages	0.075949	PMM	COMB2	0.625	No Messages	No Messages
1887	T38x2mm	Beam	No Messages	0.077492	PMM	COMB2	1	No Messages	No Messages
1888	T38x2mm	Beam	No Messages	0.075067	PMM	COMB2	0	No Messages	No Messages
1889	T38x2mm	Beam	No Messages	0.057154	PMM	COMB2	1	No Messages	No Messages
1890	T38x2mm	Beam	No Messages	0.098784	PMM	COMB2	0.9975	No Messages	No Messages
1891	T38x2mm	Beam	No Messages	0.102409	PMM	COMB2	0.99875	No Messages	No Messages
1892	T38x2mm	Beam	No Messages	0.061342	PMM	COMB2	0	No Messages	No Messages
1893	T38x2mm	Beam	No Messages	0.098217	PMM	COMB2	0.825	No Messages	No Messages
1894	T38x2mm	Beam	No Messages	0.059631	PMM	COMB2	0	No Messages	No Messages
1895	T38x2mm	Beam	No Messages	0.099763	PMM	COMB2	0.825	No Messages	No Messages

1.6-3 Diseño de elementos Pasarelas Sedimentadores.

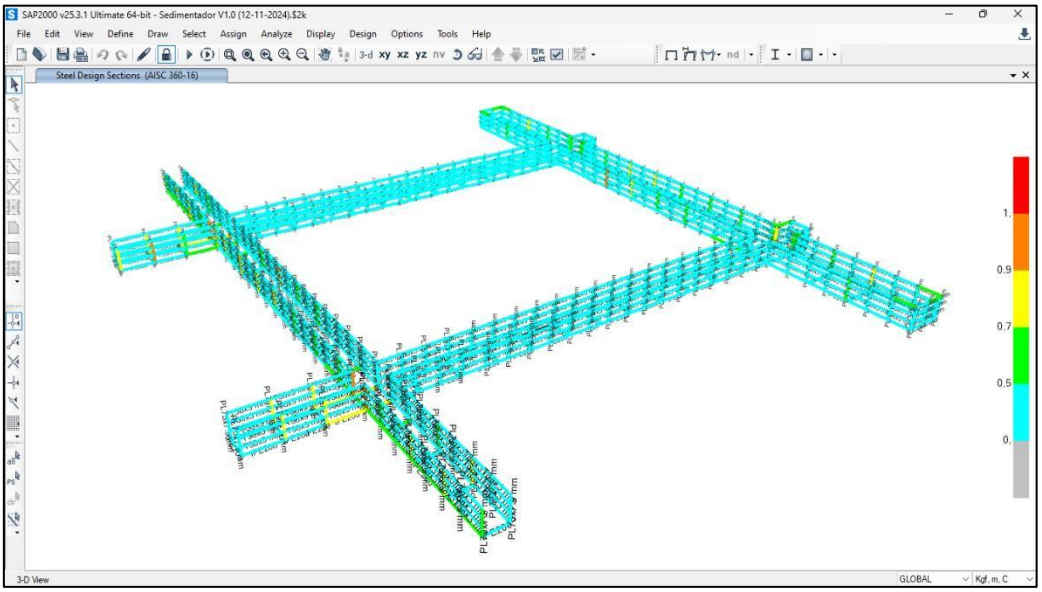


Figura 1.6-3.1 Diseño de elementos en SAP2000.

Tabla 1.6.3.1 Diseño de elementos Pasarelas Sedimentadores.

TABLE: Steel Design 1 - Summary Data - AISC 360-16									
Frame	**DesignSect**	**DesignType**	**Status**	**Ratio**	**RatioType**	**Combo**	**Location**	**ErrMsg**	**WarnMsg**
Text	Text	Text	Text	Unitless	Text	Text	m	Text	Text
1	IPE180	Beam	No Messages	0.071998	PMM	COMB2	0.5	No Messages	No Messages
3	IPE180	Beam	No Messages	0.087245	PMM	COMB2	5.775	No Messages	No Messages
4	IPE180	Beam	No Messages	0.061287	PMM	COMB2	5.775	No Messages	No Messages
8	IPE180	Beam	No Messages	0.05605	PMM	COMB2	1.375	No Messages	No Messages
9	IPE180	Beam	No Messages	0.050609	PMM	COMB2	5	No Messages	No Messages
10	IPE180	Beam	No Messages	0.080638	PMM	COMB2	1.375	No Messages	No Messages
11	IPE180	Beam	No Messages	0.065721	PMM	COMB2	5	No Messages	No Messages
12	IPE180	Beam	No Messages	0.092584	PMM	COMB2	0.925	No Messages	No Messages
13	IPE180	Beam	No Messages	0.065338	PMM	COMB2	0.925	No Messages	No Messages
20	IPE180	Beam	No Messages	0.060594	PMM	COMB2	1.375	No Messages	No Messages
21	IPE180	Beam	No Messages	0.086802	PMM	COMB2	1.375	No Messages	No Messages
22	IPE180	Beam	No Messages	0.072906	PMM	COMB2	0.5	No Messages	No Messages
29	IPE180	Beam	No Messages	0.060256	PMM	COMB2	1.525	No Messages	No Messages
32	IPE180	Beam	No Messages	0.181772	PMM	COMB2	4.8125	No Messages	No Messages
35	IPE180	Beam	No Messages	0.441462	PMM	COMB2	4.8125	No Messages	No Messages
37	IPE180	Beam	No Messages	0.171761	PMM	COMB2	2.3375	No Messages	No Messages
38	IPE180	Beam	No Messages	0.190636	PMM	COMB2	5.9625	No Messages	No Messages
39	IPE180	Beam	No Messages	0.765022	PMM	COMB2	2.4	No Messages	No Messages
41	IPE180	Beam	No Messages	0.181721	PMM	COMB2	2.3375	No Messages	No Messages
58	IPE180	Beam	No Messages	0.505491	PMM	COMB2	2.0375	No Messages	No Messages
59	IPE180	Beam	No Messages	0.074	PMM	COMB2	4.6	No Messages	No Messages
60	IPE180	Beam	No Messages	0.503775	PMM	COMB2	2.4625	No Messages	No Messages
63	IPE180	Beam	No Messages	0.448775	PMM	COMB2	2.0375	No Messages	No Messages
70	IPE180	Beam	No Messages	0.062788	PMM	COMB2	0	No Messages	No Messages
71	IPE180	Beam	No Messages	0.057308	PMM	COMB2	0	No Messages	No Messages
72	IPE180	Beam	No Messages	0.058667	PMM	COMB2	1	No Messages	No Messages
73	IPE180	Beam	No Messages	0.06847	PMM	COMB2	0	No Messages	No Messages
74	IPE180	Beam	No Messages	0.096043	PMM	COMB2	0.5	No Messages	No Messages
75	IPE180	Beam	No Messages	0.16121	PMM	COMB2	0.5	No Messages	No Messages
76	IPE180	Beam	No Messages	0.127084	PMM	COMB2	0.5	No Messages	No Messages

80	IPE180	Beam	No Messages	0.094973	PMM	COMB2	0.5	No Messages	No Messages
81	IPE180	Beam	No Messages	0.124154	PMM	COMB2	0.5	No Messages	No Messages
82	IPE180	Beam	No Messages	0.099339	PMM	COMB2	0.5	No Messages	No Messages
83	IPE180	Beam	No Messages	0.157198	PMM	COMB2	0.5	No Messages	No Messages
84	IPE180	Beam	No Messages	0.124482	PMM	COMB2	0.5	No Messages	No Messages
85	IPE180	Beam	No Messages	0.138382	PMM	COMB2	0.5	No Messages	No Messages
86	IPE180	Beam	No Messages	0.155984	PMM	COMB2	0.5	No Messages	No Messages
94	IPE180	Beam	No Messages	0.060223	PMM	COMB2	0	No Messages	No Messages
95	IPE180	Beam	No Messages	0.05415	PMM	COMB2	0	No Messages	No Messages
96	IPE180	Beam	No Messages	0.059323	PMM	COMB2	1	No Messages	No Messages
97	IPE180	Beam	No Messages	0.065369	PMM	COMB2	1	No Messages	No Messages
98	IPE180	Beam	No Messages	0.096082	PMM	COMB2	0.5	No Messages	No Messages
99	IPE180	Beam	No Messages	0.125711	PMM	COMB2	0.5	No Messages	No Messages
100	IPE180	Beam	No Messages	0.158832	PMM	COMB2	0.5	No Messages	No Messages
148	IPE180	Beam	No Messages	0.164429	PMM	COMB2	0	No Messages	No Messages
149	IPE180	Beam	No Messages	0.449581	PMM	COMB2	1.3	No Messages	No Messages
150	IPE180	Beam	No Messages	0.460096	PMM	COMB2	0.3	No Messages	No Messages
151	IPE180	Beam	No Messages	0.163417	PMM	COMB2	0	No Messages	No Messages
153	IPE180	Beam	No Messages	0.080902	PMM	COMB2	1.525	No Messages	No Messages
154	IPE180	Beam	No Messages	0.240297	PMM	COMB2	0.175	No Messages	No Messages
155	IPE180	Beam	No Messages	0.08442	PMM	COMB2	0	No Messages	No Messages
156	IPE180	Beam	No Messages	0.083954	PMM	COMB2	0	No Messages	No Messages
157	IPE180	Beam	No Messages	0.244614	PMM	COMB2	0.175	No Messages	No Messages
158	IPE180	Beam	No Messages	0.060584	PMM	COMB2	1.525	No Messages	No Messages
159	IPE180	Beam	No Messages	0.100758	PMM	COMB2	0.175	No Messages	No Messages
160	IPE180	Beam	No Messages	0.102469	PMM	COMB2	0.175	No Messages	No Messages
161	IPE180	Beam	No Messages	0.08097	PMM	COMB2	1.525	No Messages	No Messages
162	IPE180	Beam	No Messages	0.24779	PMM	COMB2	0.175	No Messages	No Messages
163	IPE180	Beam	No Messages	0.083168	PMM	COMB2	0	No Messages	No Messages
164	IPE180	Beam	No Messages	0.073352	PMM	COMB2	0	No Messages	No Messages
165	IPE180	Beam	No Messages	0.23587	PMM	COMB2	0.175	No Messages	No Messages
166	IPE180	Beam	No Messages	0.08138	PMM	COMB2	1.525	No Messages	No Messages
184	IPE180	Beam	No Messages	0.062656	PMM	COMB2	1.19583	No Messages	No Messages
185	IPE180	Beam	No Messages	0.059993	PMM	COMB2	0	No Messages	No Messages
186	IPE180	Beam	No Messages	0.006213	PMM	COMB2	0.10833	No Messages	No Messages
187	IPE180	Beam	No Messages	0.002282	PMM	COMB1	0	No Messages	No Messages
189	IPE180	Beam	No Messages	0.002269	PMM	COMB1	0	No Messages	No Messages
190	IPE180	Beam	No Messages	0.002139	PMM	COMB1	1.69583	No Messages	No Messages
191	IPE180	Beam	No Messages	0.002293	PMM	COMB1	1.69583	No Messages	No Messages
192	IPE180	Beam	No Messages	0.002978	PMM	COMB2	1.69583	No Messages	No Messages
193	IPE180	Beam	No Messages	0.028571	PMM	COMB2	1.69583	No Messages	No Messages
194	IPE180	Beam	No Messages	0.209128	PMM	COMB2	1.69583	No Messages	No Messages
195	IPE180	Beam	No Messages	0.210593	PMM	COMB2	0	No Messages	No Messages
196	IPE180	Beam	No Messages	0.134772	PMM	COMB2	0.5	No Messages	No Messages
199	IPE180	Beam	No Messages	0.053889	PMM	COMB2	0.5	No Messages	No Messages
202	IPE180	Beam	No Messages	0.078164	PMM	COMB2	0.5	No Messages	No Messages
205	IPE180	Beam	No Messages	0.076815	PMM	COMB2	0.5	No Messages	No Messages
208	IPE180	Beam	No Messages	0.076034	PMM	COMB2	0.5	No Messages	No Messages
211	IPE180	Beam	No Messages	0.076732	PMM	COMB2	0.5	No Messages	No Messages
214	IPE180	Beam	No Messages	0.075983	PMM	COMB2	0.5	No Messages	No Messages
217	IPE180	Beam	No Messages	0.077592	PMM	COMB2	0.5	No Messages	No Messages
220	IPE180	Beam	No Messages	0.085303	PMM	COMB2	0.5	No Messages	No Messages
223	IPE180	Beam	No Messages	0.017243	PMM	COMB2	0.5	No Messages	No Messages
226	IPE180	Beam	No Messages	0.225825	PMM	COMB2	0.5	No Messages	No Messages
229	IPE180	Beam	No Messages	0.062781	PMM	COMB2	1.19583	No Messages	No Messages
230	IPE180	Beam	No Messages	0.060796	PMM	COMB2	0	No Messages	No Messages
231	IPE180	Beam	No Messages	0.006336	PMM	COMB2	0.10833	No Messages	No Messages
232	IPE180	Beam	No Messages	0.00228	PMM	COMB1	0	No Messages	No Messages
233	IPE180	Beam	No Messages	0.002155	PMM	COMB1	0	No Messages	No Messages
234	IPE180	Beam	No Messages	0.00227	PMM	COMB1	0	No Messages	No Messages
235	IPE180	Beam	No Messages	0.00214	PMM	COMB1	1.69583	No Messages	No Messages
236	IPE180	Beam	No Messages	0.002292	PMM	COMB1	1.69583	No Messages	No Messages
237	IPE180	Beam	No Messages	0.003001	PMM	COMB2	1.69583	No Messages	No Messages
238	IPE180	Beam	No Messages	0.028784	PMM	COMB2	1.69583	No Messages	No Messages
239	IPE180	Beam	No Messages	0.210347	PMM	COMB2	1.69583	No Messages	No Messages
240	IPE180	Beam	No Messages	0.211495	PMM	COMB2	0	No Messages	No Messages

241	IPE180	Beam	No Messages	0.135729	PMM	COMB2	0.5	No Messages	No Messages
244	IPE180	Beam	No Messages	0.054017	PMM	COMB2	0.5	No Messages	No Messages
247	IPE180	Beam	No Messages	0.078401	PMM	COMB2	0.5	No Messages	No Messages
250	IPE180	Beam	No Messages	0.076966	PMM	COMB2	0.5	No Messages	No Messages
253	IPE180	Beam	No Messages	0.076135	PMM	COMB2	0.5	No Messages	No Messages
256	IPE180	Beam	No Messages	0.076836	PMM	COMB2	0.5	No Messages	No Messages
259	IPE180	Beam	No Messages	0.076035	PMM	COMB2	0.5	No Messages	No Messages
262	IPE180	Beam	No Messages	0.07771	PMM	COMB2	0.5	No Messages	No Messages
265	IPE180	Beam	No Messages	0.085434	PMM	COMB2	0.5	No Messages	No Messages
268	IPE180	Beam	No Messages	0.017301	PMM	COMB2	0.5	No Messages	No Messages
271	IPE180	Beam	No Messages	0.225877	PMM	COMB2	0.5	No Messages	No Messages
272	IPE180	Beam	No Messages	0.06624	PMM	COMB2	0	No Messages	No Messages
274	IPE180	Beam	No Messages	0.029775	PMM	COMB2	0	No Messages	No Messages
275	IPE180	Beam	No Messages	0.068583	PMM	COMB2	0	No Messages	No Messages
277	IPE180	Beam	No Messages	0.024492	PMM	COMB2	0	No Messages	No Messages
278	IPE180	Beam	No Messages	0.064288	PMM	COMB2	0	No Messages	No Messages
280	IPE180	Beam	No Messages	0.027284	PMM	COMB2	0	No Messages	No Messages
281	IPE180	Beam	No Messages	0.062836	PMM	COMB2	0	No Messages	No Messages
283	IPE180	Beam	No Messages	0.0273	PMM	COMB2	0	No Messages	No Messages
284	IPE180	Beam	No Messages	0.001252	PMM	COMB2	1	No Messages	No Messages
285	IPE180	Beam	No Messages	0.033048	PMM	COMB2	1	No Messages	No Messages
286	IPE180	Beam	No Messages	0.021749	PMM	COMB2	1	No Messages	No Messages
287	IPE180	Beam	No Messages	0.001295	PMM	COMB2	0	No Messages	No Messages
288	IPE180	Beam	No Messages	0.033592	PMM	COMB2	1	No Messages	No Messages
289	IPE180	Beam	No Messages	0.021828	PMM	COMB2	0	No Messages	No Messages
46	IPE180	Beam	No Messages	0.150727	PMM	COMB2	0.75	No Messages	No Messages
47	IPE180	Beam	No Messages	0.052521	PMM	COMB2	0	No Messages	No Messages
48	IPE180	Beam	No Messages	0.140945	PMM	COMB2	0.75	No Messages	No Messages
50	IPE180	Beam	No Messages	0.044857	PMM	COMB2	0	No Messages	No Messages
51	IPE180	Beam	No Messages	0.144742	PMM	COMB2	0.75	No Messages	No Messages
52	IPE180	Beam	No Messages	0.048018	PMM	COMB2	0	No Messages	No Messages
53	IPE180	Beam	No Messages	0.143507	PMM	COMB2	0.75	No Messages	No Messages
54	IPE180	Beam	No Messages	0.047929	PMM	COMB2	0	No Messages	No Messages
7	PL75x7.9 mm	Column	No Messages	0.322076	PMM	COMB2	0	No Messages	No Messages
14	PL75x7.9 mm	Column	No Messages	0.09524	PMM	COMB2	1.05	No Messages	No Messages
15	PL75x7.9 mm	Column	No Messages	0.154584	PMM	COMB2	1.05	No Messages	No Messages
17	T38x3 mm	Beam	No Messages	0.713077	PMM	COMB2	0	No Messages	No Messages
18	T38x3 mm	Beam	No Messages	0.653447	PMM	COMB2	0	No Messages	No Messages
19	PL75x7.9 mm	Column	No Messages	0.433494	PMM	COMB2	0	No Messages	No Messages
23	PL75x7.9 mm	Column	No Messages	0.41801	PMM	COMB2	0	No Messages	No Messages
24	PL75x7.9 mm	Column	No Messages	0.271962	PMM	COMB2	0.7	No Messages	No Messages
25	PL75x7.9 mm	Column	No Messages	0.385102	PMM	COMB2	0.7	No Messages	No Messages
26	PL75x7.9 mm	Column	No Messages	0.406466	PMM	COMB2	0	No Messages	No Messages
27	PL75x7.9 mm	Column	No Messages	0.444113	PMM	COMB2	0	No Messages	No Messages
28	PL75x7.9 mm	Column	No Messages	0.152907	PMM	COMB2	1.05	No Messages	No Messages
30	PL75x7.9 mm	Column	No Messages	0.369725	PMM	COMB2	0.7	No Messages	No Messages
31	PL75x7.9 mm	Column	No Messages	0.286108	PMM	COMB2	0.7	No Messages	No Messages
33	PL75x7.9 mm	Column	No Messages	0.084875	PMM	COMB2	1.05	No Messages	No Messages
88	T38x3 mm	Beam	No Messages	0.298747	PMM	COMB2	0.625	No Messages	No Messages
89	T38x3 mm	Beam	No Messages	0.182448	PMM	COMB2	0.125	No Messages	No Messages
90	T38x3 mm	Beam	No Messages	0.156425	PMM	COMB2	0.75	No Messages	No Messages
91	T38x3 mm	Beam	No Messages	0.171404	PMM	COMB2	0.25	No Messages	No Messages
92	T38x3 mm	Beam	No Messages	0.111833	PMM	COMB2	1	No Messages	No Messages
93	T38x3 mm	Beam	No Messages	0.29664	PMM	COMB2	0.625	No Messages	No Messages
101	T38x3 mm	Beam	No Messages	0.159129	PMM	COMB2	0.125	No Messages	No Messages
102	T38x3 mm	Beam	No Messages	0.13294	PMM	COMB2	0.875	No Messages	No Messages
103	T38x3 mm	Beam	No Messages	0.167477	PMM	COMB2	0.375	No Messages	No Messages
104	T38x3 mm	Beam	No Messages	0.173338	PMM	COMB2	0.625	No Messages	No Messages
105	T38x3 mm	Beam	No Messages	0.35566	PMM	COMB2	0.95	No Messages	No Messages
106	T38x3 mm	Beam	No Messages	0.18065	PMM	COMB2	1.25	No Messages	No Messages
108	T38x3 mm	Beam	No Messages	0.17834	PMM	COMB2	0.95	No Messages	No Messages
109	T38x3 mm	Beam	No Messages	0.119127	PMM	COMB2	0	No Messages	No Messages
110	T38x3 mm	Beam	No Messages	0.189483	PMM	COMB2	0.25	No Messages	No Messages
111	T38x3 mm	Beam	No Messages	0.126583	PMM	COMB2	0.375	No Messages	No Messages
112	T38x3 mm	Beam	No Messages	0.361625	PMM	COMB2	1	No Messages	No Messages
113	T38x3 mm	Beam	No Messages	0.359713	PMM	COMB2	0	No Messages	No Messages

114	T38x3 mm	Beam	No Messages	0.147948	PMM	COMB2	1	No Messages	No Messages
115	T38x3 mm	Beam	No Messages	0.165608	PMM	COMB2	0	No Messages	No Messages
116	T38x3 mm	Beam	No Messages	0.102456	PMM	COMB2	1	No Messages	No Messages
117	T38x3 mm	Beam	No Messages	0.060901	PMM	COMB2	1	No Messages	No Messages
118	T38x3 mm	Beam	No Messages	0.144144	PMM	COMB2	0.625	No Messages	No Messages
119	T38x3 mm	Beam	No Messages	0.281684	PMM	COMB2	1	No Messages	No Messages
120	T38x3 mm	Beam	No Messages	0.28628	PMM	COMB2	0	No Messages	No Messages
121	T38x3 mm	Beam	No Messages	0.15755	PMM	COMB2	1	No Messages	No Messages
122	T38x3 mm	Beam	No Messages	0.171967	PMM	COMB2	0	No Messages	No Messages
123	T38x3 mm	Beam	No Messages	0.08104	PMM	COMB2	1	No Messages	No Messages
124	T38x3 mm	Beam	No Messages	0.116014	PMM	COMB2	0	No Messages	No Messages
125	T38x3 mm	Beam	No Messages	0.110294	PMM	COMB2	0.375	No Messages	No Messages
126	T38x3 mm	Beam	No Messages	0.142381	PMM	COMB2	0.75	No Messages	No Messages
127	T38x3 mm	Beam	No Messages	0.184805	PMM	COMB2	0.375	No Messages	No Messages
128	T38x3 mm	Beam	No Messages	0.255898	PMM	COMB2	0.5	No Messages	No Messages
129	T38x3 mm	Beam	No Messages	0.106522	PMM	COMB2	0.75	No Messages	No Messages
130	T38x3 mm	Beam	No Messages	0.131045	PMM	COMB2	0.375	No Messages	No Messages
131	T38x3 mm	Beam	No Messages	0.161598	PMM	COMB2	0.75	No Messages	No Messages
132	T38x3 mm	Beam	No Messages	0.22289	PMM	COMB2	0.25	No Messages	No Messages
133	T38x3 mm	Beam	No Messages	0.156234	PMM	COMB2	1	No Messages	No Messages
134	T38x3 mm	Beam	No Messages	0.441717	PMM	COMB2	0.85	No Messages	No Messages
135	T38x3 mm	Beam	No Messages	0.282092	PMM	COMB2	1.15	No Messages	No Messages
136	T38x3 mm	Beam	No Messages	0.341999	PMM	COMB2	0	No Messages	No Messages
137	T38x3 mm	Beam	No Messages	0.193363	PMM	COMB2	0	No Messages	No Messages
138	T38x3 mm	Beam	No Messages	0.162281	PMM	COMB2	0.5	No Messages	No Messages
139	T38x3 mm	Beam	No Messages	0.171587	PMM	COMB2	0.625	No Messages	No Messages
140	T38x3 mm	Beam	No Messages	0.137609	PMM	COMB2	0.125	No Messages	No Messages
141	T38x3 mm	Beam	No Messages	0.161279	PMM	COMB2	0.875	No Messages	No Messages
142	T38x3 mm	Beam	No Messages	0.296823	PMM	COMB2	0.375	No Messages	No Messages
143	T38x3 mm	Beam	No Messages	0.118944	PMM	COMB2	0	No Messages	No Messages
144	T38x3 mm	Beam	No Messages	0.173025	PMM	COMB2	0.75	No Messages	No Messages
145	T38x3 mm	Beam	No Messages	0.157899	PMM	COMB2	0.25	No Messages	No Messages
146	T38x3 mm	Beam	No Messages	0.183202	PMM	COMB2	0.875	No Messages	No Messages
147	T38x3 mm	Beam	No Messages	0.298843	PMM	COMB2	0.375	No Messages	No Messages
152	T38x3 mm	Beam	No Messages	0.716449	PMM	COMB2	1	No Messages	No Messages
167	T38x3 mm	Beam	No Messages	0.653301	PMM	COMB2	1	No Messages	No Messages
182	IPE180	Beam	No Messages	0.056817	PMM	COMB2	0.175	No Messages	No Messages
183	IPE180	Beam	No Messages	0.060295	PMM	COMB2	0.675	No Messages	No Messages
197	PL75x7.9 mm	Column	No Messages	0.334966	PMM	COMB2	0	No Messages	No Messages
198	T38x3 mm	Beam	No Messages	0.583582	PMM	COMB2	0	No Messages	No Messages
200	T38x3 mm	Beam	No Messages	0.525146	PMM	COMB2	0.85	No Messages	No Messages
201	T38x3 mm	Beam	No Messages	0.579398	PMM	COMB2	0	No Messages	No Messages
203	T38x3 mm	Beam	No Messages	0.525273	PMM	COMB2	0.85	No Messages	No Messages
204	PL75x7.9 mm	Column	No Messages	0.099797	PMM	COMB2	0.7	No Messages	No Messages
206	PL75x7.9 mm	Column	No Messages	0.079432	PMM	COMB2	0.35	No Messages	No Messages
207	PL75x7.9 mm	Column	No Messages	0.116856	PMM	COMB2	1.05	No Messages	No Messages
209	PL75x7.9 mm	Column	No Messages	0.632764	PMM	COMB2	1.05	No Messages	No Messages
210	PL75x7.9 mm	Column	No Messages	0.107172	PMM	COMB2	1.05	No Messages	No Messages
212	PL75x7.9 mm	Column	No Messages	0.374333	PMM	COMB2	1.05	No Messages	No Messages
213	PL75x7.9 mm	Column	No Messages	0.193221	PMM	COMB2	0.35	No Messages	No Messages
215	PL75x7.9 mm	Column	No Messages	0.205495	PMM	COMB2	1.05	No Messages	No Messages
216	PL75x7.9 mm	Column	No Messages	0.81236	PMM	COMB2	1.05	No Messages	No Messages
218	PL75x7.9 mm	Column	No Messages	0.219148	PMM	COMB2	1.05	No Messages	No Messages
219	PL75x7.9 mm	Column	No Messages	0.639388	PMM	COMB2	1.05	No Messages	No Messages
221	PL75x7.9 mm	Column	No Messages	0.304027	PMM	COMB2	0.35	No Messages	No Messages
222	PL75x7.9 mm	Column	No Messages	0.356498	PMM	COMB2	0.35	No Messages	No Messages
224	PL75x7.9 mm	Column	No Messages	0.154652	PMM	COMB2	0.35	No Messages	No Messages
225	PL75x7.9 mm	Column	No Messages	0.682571	PMM	COMB2	1.05	No Messages	No Messages
227	PL75x7.9 mm	Column	No Messages	0.122624	PMM	COMB2	1.05	No Messages	No Messages
228	PL75x7.9 mm	Column	No Messages	0.857817	PMM	COMB2	1.05	No Messages	No Messages
242	PL75x7.9 mm	Column	No Messages	0.123411	PMM	COMB2	0.7	No Messages	No Messages
243	PL75x7.9 mm	Column	No Messages	0.733384	PMM	COMB2	1.05	No Messages	No Messages
245	PL75x7.9 mm	Column	No Messages	0.155187	PMM	COMB2	1.05	No Messages	No Messages
246	PL75x7.9 mm	Column	No Messages	0.682057	PMM	COMB2	1.05	No Messages	No Messages
248	PL75x7.9 mm	Column	No Messages	0.323625	PMM	COMB2	1.05	No Messages	No Messages
249	PL75x7.9 mm	Column	No Messages	0.082205	PMM	COMB2	1.05	No Messages	No Messages

251	PL75x7.9 mm	Column	No Messages	1.016296	PMM	COMB2	1.05	No Messages	No Messages
252	PL75x7.9 mm	Column	No Messages	0.109262	PMM	COMB2	1.05	No Messages	No Messages
254	PL75x7.9 mm	Column	No Messages	0.776926	PMM	COMB2	1.05	No Messages	No Messages
255	PL75x7.9 mm	Column	No Messages	0.145181	PMM	COMB2	1.05	No Messages	No Messages
257	PL75x7.9 mm	Column	No Messages	0.654885	PMM	COMB2	1.05	No Messages	No Messages
258	PL75x7.9 mm	Column	No Messages	0.186215	PMM	COMB2	1.05	No Messages	No Messages
260	PL75x7.9 mm	Column	No Messages	0.61925	PMM	COMB2	1.05	No Messages	No Messages
261	PL75x7.9 mm	Column	No Messages	0.207816	PMM	COMB2	1.05	No Messages	No Messages
263	PL75x7.9 mm	Column	No Messages	0.659641	PMM	COMB2	1.05	No Messages	No Messages
264	PL75x7.9 mm	Column	No Messages	0.361898	PMM	COMB2	0.35	No Messages	No Messages
266	PL75x7.9 mm	Column	No Messages	0.17092	PMM	COMB2	1.05	No Messages	No Messages
267	PL75x7.9 mm	Column	No Messages	0.530968	PMM	COMB2	1.05	No Messages	No Messages
269	PL75x7.9 mm	Column	No Messages	0.143888	PMM	COMB2	1.05	No Messages	No Messages
270	PL75x7.9 mm	Column	No Messages	0.356433	PMM	COMB2	1.05	No Messages	No Messages
273	PL75x7.9 mm	Column	No Messages	0.175859	PMM	COMB2	0.35	No Messages	No Messages
276	PL75x7.9 mm	Column	No Messages	0.291107	PMM	COMB2	0.35	No Messages	No Messages
279	PL75x7.9 mm	Column	No Messages	0.193264	PMM	COMB2	0.35	No Messages	No Messages
282	PL75x7.9 mm	Column	No Messages	0.616007	PMM	COMB2	1.05	No Messages	No Messages
290	PL75x7.9 mm	Column	No Messages	0.234749	PMM	COMB2	1.05	No Messages	No Messages
291	PL75x7.9 mm	Column	No Messages	0.827326	PMM	COMB2	1.05	No Messages	No Messages
292	PL75x7.9 mm	Column	No Messages	0.223091	PMM	COMB2	1.05	No Messages	No Messages
293	PL75x7.9 mm	Column	No Messages	0.116386	PMM	COMB2	0.7	No Messages	No Messages
294	PL75x7.9 mm	Column	No Messages	0.362223	PMM	COMB2	1.05	No Messages	No Messages
295	PL75x7.9 mm	Column	No Messages	0.105904	PMM	COMB2	1.05	No Messages	No Messages
296	PL75x7.9 mm	Column	No Messages	0.638141	PMM	COMB2	1.05	No Messages	No Messages
297	PL75x7.9 mm	Column	No Messages	0.12367	PMM	COMB2	1.05	No Messages	No Messages
298	PL75x7.9 mm	Column	No Messages	0.075316	PMM	COMB2	0.35	No Messages	No Messages
331	PL75x7.9 mm	Column	No Messages	0.541696	PMM	COMB2	0	No Messages	No Messages
332	PL75x7.9 mm	Column	No Messages	0.570187	PMM	COMB2	0	No Messages	No Messages
333	PL75x7.9 mm	Column	No Messages	0.464911	PMM	COMB2	0	No Messages	No Messages
334	PL75x7.9 mm	Column	No Messages	0.05981	PMM	COMB2	0	No Messages	No Messages
335	PL75x7.9 mm	Column	No Messages	0.618585	PMM	COMB2	0	No Messages	No Messages
336	PL75x7.9 mm	Column	No Messages	0.191929	PMM	COMB2	0	No Messages	No Messages
337	PL75x7.9 mm	Column	No Messages	0.251947	PMM	COMB2	0	No Messages	No Messages
338	PL75x7.9 mm	Column	No Messages	0.109325	PMM	COMB2	0	No Messages	No Messages
339	PL75x7.9 mm	Column	No Messages	0.387221	PMM	COMB2	0	No Messages	No Messages
340	PL75x7.9 mm	Column	No Messages	0.099416	PMM	COMB2	0	No Messages	No Messages
341	PL75x7.9 mm	Column	No Messages	0.636916	PMM	COMB2	0	No Messages	No Messages
342	PL75x7.9 mm	Column	No Messages	0.461424	PMM	COMB2	0	No Messages	No Messages
343	PL75x7.9 mm	Column	No Messages	0.612867	PMM	COMB2	0	No Messages	No Messages
344	PL75x7.9 mm	Column	No Messages	0.063287	PMM	COMB2	0	No Messages	No Messages
345	PL75x7.9 mm	Column	No Messages	0.543419	PMM	COMB2	0	No Messages	No Messages
346	PL75x7.9 mm	Column	No Messages	0.567315	PMM	COMB2	0	No Messages	No Messages
347	T38x3 mm	Beam	No Messages	0.706189	PMM	COMB2	0	No Messages	No Messages
348	T38x3 mm	Beam	No Messages	0.072352	PMM	COMB2	0	No Messages	No Messages
349	T38x3 mm	Beam	No Messages	0.007652	PMM	COMB2	1	No Messages	No Messages
350	T38x3 mm	Beam	No Messages	0.006087	PMM	COMB2	0	No Messages	No Messages
351	T38x3 mm	Beam	No Messages	0.006254	PMM	COMB2	1	No Messages	No Messages
352	T38x3 mm	Beam	No Messages	0.006229	PMM	COMB2	1	No Messages	No Messages
353	T38x3 mm	Beam	No Messages	0.006096	PMM	COMB2	1	No Messages	No Messages
354	T38x3 mm	Beam	No Messages	0.006728	PMM	COMB2	1	No Messages	No Messages
355	T38x3 mm	Beam	No Messages	0.00645	PMM	COMB2	1	No Messages	No Messages
356	T38x3 mm	Beam	No Messages	0.006961	PMM	COMB2	1	No Messages	No Messages
357	T38x3 mm	Beam	No Messages	0.007099	PMM	COMB2	1	No Messages	No Messages
358	T38x3 mm	Beam	No Messages	0.180357	PMM	COMB2	0	No Messages	No Messages
359	T38x3 mm	Beam	No Messages	0.024926	PMM	COMB2	0	No Messages	No Messages
360	T38x3 mm	Beam	No Messages	0.006676	PMM	COMB1	0	No Messages	No Messages
361	T38x3 mm	Beam	No Messages	0.005567	PMM	COMB2	1	No Messages	No Messages
362	T38x3 mm	Beam	No Messages	0.006352	PMM	COMB2	1	No Messages	No Messages
363	T38x3 mm	Beam	No Messages	0.006589	PMM	COMB2	1	No Messages	No Messages
364	T38x3 mm	Beam	No Messages	0.006513	PMM	COMB2	1	No Messages	No Messages
365	T38x3 mm	Beam	No Messages	0.007078	PMM	COMB2	1	No Messages	No Messages
366	T38x3 mm	Beam	No Messages	0.006875	PMM	COMB2	1	No Messages	No Messages
367	T38x3 mm	Beam	No Messages	0.007352	PMM	COMB2	1	No Messages	No Messages
368	T38x3 mm	Beam	No Messages	0.00751	PMM	COMB2	1	No Messages	No Messages
369	T38x3 mm	Beam	No Messages	0.007181	PMM	COMB2	1	No Messages	No Messages

370	T38x3 mm	Beam	No Messages	0.007917	PMM	COMB2	1	No Messages	No Messages
371	T38x3 mm	Beam	No Messages	0.007764	PMM	COMB2	1	No Messages	No Messages
372	T38x3 mm	Beam	No Messages	0.008693	PMM	COMB2	1	No Messages	No Messages
373	T38x3 mm	Beam	No Messages	0.007849	PMM	COMB2	0.625	No Messages	No Messages
374	T38x3 mm	Beam	No Messages	0.020329	PMM	COMB2	1	No Messages	No Messages
375	T38x3 mm	Beam	No Messages	0.048767	PMM	COMB2	1	No Messages	No Messages
376	T38x3 mm	Beam	No Messages	0.064345	PMM	COMB2	1	No Messages	No Messages
380	T38x3 mm	Beam	No Messages	0.007637	PMM	COMB2	1	No Messages	No Messages
381	T38x3 mm	Beam	No Messages	0.008353	PMM	COMB2	1	No Messages	No Messages
382	T38x3 mm	Beam	No Messages	0.007907	PMM	COMB2	1	No Messages	No Messages
383	T38x3 mm	Beam	No Messages	0.00874	PMM	COMB2	1	No Messages	No Messages
384	T38x3 mm	Beam	No Messages	0.007574	PMM	COMB2	0.5	No Messages	No Messages
385	T38x3 mm	Beam	No Messages	0.020071	PMM	COMB2	1	No Messages	No Messages
386	T38x3 mm	Beam	No Messages	0.048752	PMM	COMB2	1	No Messages	No Messages
387	T38x3 mm	Beam	No Messages	0.062097	PMM	COMB2	0	No Messages	No Messages
391	T38x3 mm	Beam	No Messages	0.231941	PMM	COMB2	0.675	No Messages	No Messages
392	T38x3 mm	Beam	No Messages	0.148931	PMM	COMB2	0.675	No Messages	No Messages
393	PL75x7.9 mm	Column	No Messages	0.088217	PMM	COMB2	1.05	No Messages	No Messages
394	PL75x7.9 mm	Column	No Messages	0.025257	PMM	COMB2	1.05	No Messages	No Messages
395	PL75x7.9 mm	Column	No Messages	0.022981	PMM	COMB2	1.05	No Messages	No Messages
396	PL75x7.9 mm	Column	No Messages	0.018474	PMM	COMB2	0.35	No Messages	No Messages
397	PL75x7.9 mm	Column	No Messages	0.019128	PMM	COMB2	1.05	No Messages	No Messages
398	PL75x7.9 mm	Column	No Messages	0.018703	PMM	COMB2	1.05	No Messages	No Messages
399	PL75x7.9 mm	Column	No Messages	0.018316	PMM	COMB2	1.05	No Messages	No Messages
400	PL75x7.9 mm	Column	No Messages	0.018687	PMM	COMB2	1.05	No Messages	No Messages
401	PL75x7.9 mm	Column	No Messages	0.018373	PMM	COMB2	1.05	No Messages	No Messages
402	PL75x7.9 mm	Column	No Messages	0.018327	PMM	COMB2	1.05	No Messages	No Messages
403	PL75x7.9 mm	Column	No Messages	0.01869	PMM	COMB2	1.05	No Messages	No Messages
404	PL75x7.9 mm	Column	No Messages	0.07163	PMM	COMB2	1.05	No Messages	No Messages
405	PL75x7.9 mm	Column	No Messages	0.024135	PMM	COMB2	1.05	No Messages	No Messages
406	PL75x7.9 mm	Column	No Messages	0.019118	PMM	COMB2	1.05	No Messages	No Messages
407	PL75x7.9 mm	Column	No Messages	0.018082	PMM	COMB2	1.05	No Messages	No Messages
408	PL75x7.9 mm	Column	No Messages	0.018862	PMM	COMB2	1.05	No Messages	No Messages
409	PL75x7.9 mm	Column	No Messages	0.018807	PMM	COMB2	1.05	No Messages	No Messages
410	PL75x7.9 mm	Column	No Messages	0.018518	PMM	COMB2	1.05	No Messages	No Messages
411	PL75x7.9 mm	Column	No Messages	0.018747	PMM	COMB2	1.05	No Messages	No Messages
412	PL75x7.9 mm	Column	No Messages	0.018592	PMM	COMB2	1.05	No Messages	No Messages
413	PL75x7.9 mm	Column	No Messages	0.018569	PMM	COMB2	1.05	No Messages	No Messages
414	PL75x7.9 mm	Column	No Messages	0.018856	PMM	COMB2	1.05	No Messages	No Messages
415	PL75x7.9 mm	Column	No Messages	0.01853	PMM	COMB2	1.05	No Messages	No Messages
416	PL75x7.9 mm	Column	No Messages	0.019596	PMM	COMB2	1.05	No Messages	No Messages
417	PL75x7.9 mm	Column	No Messages	0.018901	PMM	COMB2	1.05	No Messages	No Messages
418	PL75x7.9 mm	Column	No Messages	0.01998	PMM	COMB2	1.05	No Messages	No Messages
419	PL75x7.9 mm	Column	No Messages	0.030975	PMM	COMB2	0	No Messages	No Messages
420	PL75x7.9 mm	Column	No Messages	0.033391	PMM	COMB2	1.05	No Messages	No Messages
421	PL75x7.9 mm	Column	No Messages	0.082045	PMM	COMB2	1.05	No Messages	No Messages
422	PL75x7.9 mm	Column	No Messages	0.214083	PMM	COMB2	0.7	No Messages	No Messages
423	PL75x7.9 mm	Column	No Messages	0.018732	PMM	COMB2	1.05	No Messages	No Messages
424	PL75x7.9 mm	Column	No Messages	0.019269	PMM	COMB2	1.05	No Messages	No Messages
425	PL75x7.9 mm	Column	No Messages	0.018934	PMM	COMB2	1.05	No Messages	No Messages
426	PL75x7.9 mm	Column	No Messages	0.020493	PMM	COMB2	1.05	No Messages	No Messages
427	PL75x7.9 mm	Column	No Messages	0.030562	PMM	COMB2	0	No Messages	No Messages
428	PL75x7.9 mm	Column	No Messages	0.030872	PMM	COMB2	0	No Messages	No Messages
429	PL75x7.9 mm	Column	No Messages	0.074338	PMM	COMB2	1.05	No Messages	No Messages
430	PL75x7.9 mm	Column	No Messages	0.192985	PMM	COMB2	0.7	No Messages	No Messages
431	T38x3 mm	Beam	No Messages	1.192449	PMM	COMB2	0	No Messages	No Messages
432	T38x3 mm	Beam	No Messages	0.491682	PMM	COMB2	0	No Messages	No Messages
433	T38x3 mm	Beam	No Messages	0.359317	PMM	COMB2	1	No Messages	No Messages
434	T38x3 mm	Beam	No Messages	0.263576	PMM	COMB2	0	No Messages	No Messages
435	T38x3 mm	Beam	No Messages	0.077902	PMM	COMB2	1	No Messages	No Messages
436	T38x3 mm	Beam	No Messages	0.018098	PMM	COMB2	1	No Messages	No Messages
437	T38x3 mm	Beam	No Messages	0.005697	PMM	COMB1	1	No Messages	No Messages
438	T38x3 mm	Beam	No Messages	0.006357	PMM	COMB1	1	No Messages	No Messages
439	T38x3 mm	Beam	No Messages	0.005963	PMM	COMB2	1	No Messages	No Messages
440	T38x3 mm	Beam	No Messages	0.006462	PMM	COMB2	1	No Messages	No Messages
441	T38x3 mm	Beam	No Messages	0.006588	PMM	COMB2	1	No Messages	No Messages

442	T38x3 mm	Beam	No Messages	0.804065	PMM	COMB2	0	No Messages	No Messages
443	T38x3 mm	Beam	No Messages	0.124669	PMM	COMB2	0	No Messages	No Messages
444	T38x3 mm	Beam	No Messages	0.043732	PMM	COMB2	1	No Messages	No Messages
445	T38x3 mm	Beam	No Messages	0.00642	PMM	COMB2	0	No Messages	No Messages
446	T38x3 mm	Beam	No Messages	0.005943	PMM	COMB2	1	No Messages	No Messages
447	T38x3 mm	Beam	No Messages	0.006062	PMM	COMB2	1	No Messages	No Messages
448	T38x3 mm	Beam	No Messages	0.005967	PMM	COMB2	1	No Messages	No Messages
449	T38x3 mm	Beam	No Messages	0.006516	PMM	COMB2	1	No Messages	No Messages
450	T38x3 mm	Beam	No Messages	0.006293	PMM	COMB2	1	No Messages	No Messages
451	T38x3 mm	Beam	No Messages	0.006755	PMM	COMB2	1	No Messages	No Messages
452	T38x3 mm	Beam	No Messages	0.006898	PMM	COMB2	1	No Messages	No Messages
453	T38x3 mm	Beam	No Messages	0.006662	PMM	COMB2	1	No Messages	No Messages
454	T38x3 mm	Beam	No Messages	0.007446	PMM	COMB2	1	No Messages	No Messages
455	T38x3 mm	Beam	No Messages	0.007295	PMM	COMB2	1	No Messages	No Messages
456	T38x3 mm	Beam	No Messages	0.008406	PMM	COMB2	1	No Messages	No Messages
457	T38x3 mm	Beam	No Messages	0.007767	PMM	COMB2	0.625	No Messages	No Messages
458	T38x3 mm	Beam	No Messages	0.020329	PMM	COMB2	1	No Messages	No Messages
459	T38x3 mm	Beam	No Messages	0.046111	PMM	COMB2	1	No Messages	No Messages
460	T38x3 mm	Beam	No Messages	0.083938	PMM	COMB2	1	No Messages	No Messages
461	T38x3 mm	Beam	No Messages	0.007011	PMM	COMB2	1	No Messages	No Messages
462	T38x3 mm	Beam	No Messages	0.007752	PMM	COMB2	1	No Messages	No Messages
463	T38x3 mm	Beam	No Messages	0.007295	PMM	COMB2	1	No Messages	No Messages
464	T38x3 mm	Beam	No Messages	0.008246	PMM	COMB2	1	No Messages	No Messages
465	T38x3 mm	Beam	No Messages	0.007235	PMM	COMB2	0.5	No Messages	No Messages
466	T38x3 mm	Beam	No Messages	0.020016	PMM	COMB2	1	No Messages	No Messages
467	T38x3 mm	Beam	No Messages	0.045475	PMM	COMB2	1	No Messages	No Messages
468	T38x3 mm	Beam	No Messages	0.06643	PMM	COMB2	1	No Messages	No Messages
469	T38x3 mm	Beam	No Messages	0.339274	PMM	COMB2	0.675	No Messages	No Messages
470	T38x3 mm	Beam	No Messages	0.236548	PMM	COMB2	0.675	No Messages	No Messages
471	PL75x7.9 mm	Column	No Messages	0.098869	PMM	COMB2	1.05	No Messages	No Messages
472	PL75x7.9 mm	Column	No Messages	0.026652	PMM	COMB2	1.05	No Messages	No Messages
473	PL75x7.9 mm	Column	No Messages	0.026913	PMM	COMB2	1.05	No Messages	No Messages
474	PL75x7.9 mm	Column	No Messages	0.019115	PMM	COMB2	0.35	No Messages	No Messages
475	PL75x7.9 mm	Column	No Messages	0.019211	PMM	COMB2	1.05	No Messages	No Messages
476	PL75x7.9 mm	Column	No Messages	0.01859	PMM	COMB2	1.05	No Messages	No Messages
477	PL75x7.9 mm	Column	No Messages	0.018121	PMM	COMB2	1.05	No Messages	No Messages
478	PL75x7.9 mm	Column	No Messages	0.018582	PMM	COMB2	1.05	No Messages	No Messages
479	PL75x7.9 mm	Column	No Messages	0.018115	PMM	COMB2	1.05	No Messages	No Messages
480	PL75x7.9 mm	Column	No Messages	0.018076	PMM	COMB2	1.05	No Messages	No Messages
481	PL75x7.9 mm	Column	No Messages	0.018454	PMM	COMB2	1.05	No Messages	No Messages
482	PL75x7.9 mm	Column	No Messages	0.086848	PMM	COMB2	1.05	No Messages	No Messages
483	PL75x7.9 mm	Column	No Messages	0.025862	PMM	COMB2	1.05	No Messages	No Messages
484	PL75x7.9 mm	Column	No Messages	0.024157	PMM	COMB2	1.05	No Messages	No Messages
485	PL75x7.9 mm	Column	No Messages	0.018166	PMM	COMB2	0.35	No Messages	No Messages
486	PL75x7.9 mm	Column	No Messages	0.018682	PMM	COMB2	1.05	No Messages	No Messages
487	PL75x7.9 mm	Column	No Messages	0.018359	PMM	COMB2	1.05	No Messages	No Messages
488	PL75x7.9 mm	Column	No Messages	0.017963	PMM	COMB2	1.05	No Messages	No Messages
489	PL75x7.9 mm	Column	No Messages	0.018313	PMM	COMB2	1.05	No Messages	No Messages
490	PL75x7.9 mm	Column	No Messages	0.017958	PMM	COMB2	1.05	No Messages	No Messages
491	PL75x7.9 mm	Column	No Messages	0.017942	PMM	COMB2	1.05	No Messages	No Messages
492	PL75x7.9 mm	Column	No Messages	0.018244	PMM	COMB2	1.05	No Messages	No Messages
493	PL75x7.9 mm	Column	No Messages	0.018279	PMM	COMB2	1.05	No Messages	No Messages
494	PL75x7.9 mm	Column	No Messages	0.019874	PMM	COMB2	1.05	No Messages	No Messages
495	PL75x7.9 mm	Column	No Messages	0.01894	PMM	COMB2	1.05	No Messages	No Messages
496	PL75x7.9 mm	Column	No Messages	0.020588	PMM	COMB2	1.05	No Messages	No Messages
497	PL75x7.9 mm	Column	No Messages	0.030936	PMM	COMB2	0	No Messages	No Messages
498	PL75x7.9 mm	Column	No Messages	0.03444	PMM	COMB2	1.05	No Messages	No Messages
499	PL75x7.9 mm	Column	No Messages	0.091461	PMM	COMB2	1.05	No Messages	No Messages
500	PL75x7.9 mm	Column	No Messages	0.220749	PMM	COMB2	0.7	No Messages	No Messages
501	PL75x7.9 mm	Column	No Messages	0.018092	PMM	COMB2	1.05	No Messages	No Messages
502	PL75x7.9 mm	Column	No Messages	0.01915	PMM	COMB2	1.05	No Messages	No Messages
503	PL75x7.9 mm	Column	No Messages	0.018583	PMM	COMB2	1.05	No Messages	No Messages
504	PL75x7.9 mm	Column	No Messages	0.020689	PMM	COMB2	1.05	No Messages	No Messages
505	PL75x7.9 mm	Column	No Messages	0.030327	PMM	COMB2	0	No Messages	No Messages
506	PL75x7.9 mm	Column	No Messages	0.03004	PMM	COMB2	1.05	No Messages	No Messages
507	PL75x7.9 mm	Column	No Messages	0.083358	PMM	COMB2	1.05	No Messages	No Messages

508	PL75x7.9 mm	Column	No Messages	0.208469	PMM	COMB2	0.7	No Messages	No Messages
509	T38x3 mm	Beam	No Messages	0.168701	PMM	COMB2	0.75	No Messages	No Messages
510	T38x3 mm	Beam	No Messages	0.141527	PMM	COMB2	0.125	No Messages	No Messages
511	T38x3 mm	Beam	No Messages	0.131744	PMM	COMB2	0.875	No Messages	No Messages
512	T38x3 mm	Beam	No Messages	0.1618	PMM	COMB2	0.375	No Messages	No Messages
513	T38x3 mm	Beam	No Messages	0.125152	PMM	COMB2	0.5	No Messages	No Messages
514	T38x3 mm	Beam	No Messages	0.075925	PMM	COMB2	1	No Messages	No Messages
519	T38x3 mm	Beam	No Messages	0.207847	PMM	COMB2	0.75	No Messages	No Messages
520	T38x3 mm	Beam	No Messages	0.131811	PMM	COMB2	0.125	No Messages	No Messages
521	T38x3 mm	Beam	No Messages	0.118423	PMM	COMB2	0	No Messages	No Messages
522	T38x3 mm	Beam	No Messages	0.127706	PMM	COMB2	0.375	No Messages	No Messages
523	T38x3 mm	Beam	No Messages	0.169696	PMM	COMB2	0.75	No Messages	No Messages
524	T38x3 mm	Beam	No Messages	0.199249	PMM	COMB2	0.375	No Messages	No Messages
529	T38x3 mm	Beam	No Messages	0.14569	PMM	COMB2	1.25	No Messages	No Messages
530	T38x3 mm	Beam	No Messages	0.620334	PMM	COMB2	1.25	No Messages	No Messages
531	T38x3 mm	Beam	No Messages	0.084179	PMM	COMB2	0	No Messages	No Messages
532	T38x3 mm	Beam	No Messages	1.841451	PMM	COMB2	0	No Messages	No Messages
533	T38x3 mm	Beam	No Messages	0.05918	PMM	COMB2	1	No Messages	No Messages
534	T38x3 mm	Beam	No Messages	0.08479	PMM	COMB2	0.375	No Messages	No Messages
535	T38x3 mm	Beam	No Messages	0.08914	PMM	COMB2	0.625	No Messages	No Messages
536	T38x3 mm	Beam	No Messages	0.285443	PMM	COMB2	1	No Messages	No Messages
537	T38x3 mm	Beam	No Messages	0.292866	PMM	COMB2	0	No Messages	No Messages
538	T38x3 mm	Beam	No Messages	0.106428	PMM	COMB2	1	No Messages	No Messages
539	T38x3 mm	Beam	No Messages	0.120784	PMM	COMB2	0	No Messages	No Messages
540	T38x3 mm	Beam	No Messages	0.099891	PMM	COMB2	0.375	No Messages	No Messages
541	T38x3 mm	Beam	No Messages	0.130403	PMM	COMB2	0.75	No Messages	No Messages
542	T38x3 mm	Beam	No Messages	0.162381	PMM	COMB2	0.375	No Messages	No Messages
543	T38x3 mm	Beam	No Messages	1.550648	PMM	COMB2	0.75	No Messages	No Messages
544	T38x3 mm	Beam	No Messages	1.554163	PMM	COMB2	0.125	No Messages	No Messages
545	T38x3 mm	Beam	No Messages	1.550556	PMM	COMB2	0	No Messages	No Messages
546	T38x3 mm	Beam	No Messages	1.784114	PMM	COMB2	1	No Messages	No Messages
547	T38x3 mm	Beam	No Messages	1.822213	PMM	COMB2	0	No Messages	No Messages
548	T38x3 mm	Beam	No Messages	1.659991	PMM	COMB2	1	No Messages	No Messages
549	T38x3 mm	Beam	No Messages	1.715647	PMM	COMB2	0	No Messages	No Messages
550	T38x3 mm	Beam	No Messages	1.737835	PMM	COMB2	0.375	No Messages	No Messages
551	T38x3 mm	Beam	No Messages	1.801894	PMM	COMB2	0.75	No Messages	No Messages
552	T38x3 mm	Beam	No Messages	1.8671	PMM	COMB2	0.375	No Messages	No Messages
553	T38x3 mm	Beam	No Messages	0.182912	PMM	COMB2	0.5	No Messages	No Messages
554	T38x3 mm	Beam	No Messages	0.164226	PMM	COMB2	1	No Messages	No Messages
555	T38x3 mm	Beam	No Messages	1.925218	PMM	COMB2	0.625	No Messages	No Messages
556	T38x3 mm	Beam	No Messages	2.116135	PMM	COMB2	0.25	No Messages	No Messages
557	T38x3 mm	Beam	No Messages	0.209973	PMM	COMB2	1.15	No Messages	No Messages
558	T38x3 mm	Beam	No Messages	2.786039	PMM	COMB2	1.15	No Messages	No Messages
559	T38x3 mm	Beam	No Messages	0.157056	PMM	COMB2	0	No Messages	No Messages
560	T38x3 mm	Beam	No Messages	0.617698	PMM	COMB2	0	No Messages	No Messages
561	T38x3 mm	Beam	No Messages	0.077834	PMM	COMB2	0	No Messages	No Messages
562	T38x3 mm	Beam	No Messages	0.12622	PMM	COMB2	0.5	No Messages	No Messages
563	T38x3 mm	Beam	No Messages	0.162834	PMM	COMB2	0.625	No Messages	No Messages
564	T38x3 mm	Beam	No Messages	0.132407	PMM	COMB2	0.125	No Messages	No Messages
565	T38x3 mm	Beam	No Messages	0.141763	PMM	COMB2	0.875	No Messages	No Messages
566	T38x3 mm	Beam	No Messages	0.243169	PMM	COMB2	0.75	No Messages	No Messages
567	T38x3 mm	Beam	No Messages	0.172177	PMM	COMB2	0.25	No Messages	No Messages
568	T38x3 mm	Beam	No Messages	0.131022	PMM	COMB2	0.625	No Messages	No Messages
569	T38x3 mm	Beam	No Messages	0.116321	PMM	COMB2	1	No Messages	No Messages
570	T38x3 mm	Beam	No Messages	0.132515	PMM	COMB2	0.875	No Messages	No Messages
571	T38x3 mm	Beam	No Messages	0.153103	PMM	COMB2	0	No Messages	No Messages
572	T38x3 mm	Beam	No Messages	0.192667	PMM	COMB2	0	No Messages	No Messages
599	PL75x7.9 mm	Column	No Messages	0.812515	PMM	COMB2	0	No Messages	No Messages
600	PL75x7.9 mm	Column	No Messages	1.021181	PMM	COMB2	0	No Messages	No Messages
601	PL75x7.9 mm	Column	No Messages	0.820012	PMM	COMB2	0	No Messages	No Messages
602	PL75x7.9 mm	Column	No Messages	0.994073	PMM	COMB2	0	No Messages	No Messages
603	T38x3 mm	Beam	No Messages	0.123575	PMM	COMB2	0.5	No Messages	No Messages
604	T38x3 mm	Beam	No Messages	0.128798	PMM	COMB2	1	No Messages	No Messages
605	T38x3 mm	Beam	No Messages	0.641865	PMM	COMB2	1.5	No Messages	No Messages
606	T38x3 mm	Beam	No Messages	0.122988	PMM	COMB2	0.5	No Messages	No Messages
607	T38x3 mm	Beam	No Messages	0.116939	PMM	COMB2	0	No Messages	No Messages

608	T38x3 mm	Beam	No Messages	0.554507	PMM	COMB2	1.5	No Messages	No Messages
609	PL75x7.9 mm	Column	No Messages	0.827046	PMM	COMB2	0	No Messages	No Messages
610	PL75x7.9 mm	Column	No Messages	1.000599	PMM	COMB2	0	No Messages	No Messages
611	PL75x7.9 mm	Column	No Messages	0.321093	PMM	COMB2	0	No Messages	No Messages
612	PL75x7.9 mm	Column	No Messages	0.49461	PMM	COMB2	0	No Messages	No Messages
613	T38x3 mm	Beam	No Messages	0.122937	PMM	COMB2	0.5	No Messages	No Messages
614	T38x3 mm	Beam	No Messages	0.117032	PMM	COMB2	0	No Messages	No Messages
615	T38x3 mm	Beam	No Messages	0.556352	PMM	COMB2	1.5	No Messages	No Messages
616	T38x3 mm	Beam	No Messages	0.118459	PMM	COMB2	1.5	No Messages	No Messages
617	T38x3 mm	Beam	No Messages	0.119523	PMM	COMB2	0	No Messages	No Messages
618	T38x3 mm	Beam	No Messages	0.399557	PMM	COMB2	1.5	No Messages	No Messages
619	PL75x7.9 mm	Column	No Messages	0.112816	PMM	COMB2	1.05	No Messages	No Messages
620	PL75x7.9 mm	Column	No Messages	0.69477	PMM	COMB2	1.05	No Messages	No Messages
621	PL75x7.9 mm	Column	No Messages	0.131071	PMM	COMB2	1.05	No Messages	No Messages
622	PL75x7.9 mm	Column	No Messages	0.468323	PMM	COMB2	1.05	No Messages	No Messages
623	PL75x7.9 mm	Column	No Messages	0.06662	PMM	COMB2	1.05	No Messages	No Messages
624	PL75x7.9 mm	Column	No Messages	0.136341	PMM	COMB2	1.05	No Messages	No Messages
625	PL75x7.9 mm	Column	No Messages	0.136114	PMM	COMB2	1.05	No Messages	No Messages
626	PL75x7.9 mm	Column	No Messages	0.748121	PMM	COMB2	1.05	No Messages	No Messages
627	PL75x7.9 mm	Column	No Messages	0.161186	PMM	COMB2	1.05	No Messages	No Messages
628	PL75x7.9 mm	Column	No Messages	0.576211	PMM	COMB2	1.05	No Messages	No Messages
629	PL75x7.9 mm	Column	No Messages	0.145263	PMM	COMB2	1.05	No Messages	No Messages
630	PL75x7.9 mm	Column	No Messages	0.352066	PMM	COMB2	1.05	No Messages	No Messages
631	PL75x7.9 mm	Column	No Messages	0.124334	PMM	COMB2	1.05	No Messages	No Messages
632	PL75x7.9 mm	Column	No Messages	0.278461	PMM	COMB2	1.05	No Messages	No Messages
633	PL75x7.9 mm	Column	No Messages	0.04296	PMM	COMB2	1.05	No Messages	No Messages
634	PL75x7.9 mm	Column	No Messages	0.598145	PMM	COMB2	1.05	No Messages	No Messages
635	PL75x7.9 mm	Column	No Messages	0.102102	PMM	COMB2	1.05	No Messages	No Messages
636	PL75x7.9 mm	Column	No Messages	0.996106	PMM	COMB2	1.05	No Messages	No Messages
637	PL75x7.9 mm	Column	No Messages	0.117078	PMM	COMB2	1.05	No Messages	No Messages
638	PL75x7.9 mm	Column	No Messages	0.695032	PMM	COMB2	1.05	No Messages	No Messages
639	PL75x7.9 mm	Column	No Messages	0.161469	PMM	COMB2	1.05	No Messages	No Messages
640	PL75x7.9 mm	Column	No Messages	0.588281	PMM	COMB2	1.05	No Messages	No Messages
641	PL75x7.9 mm	Column	No Messages	0.168383	PMM	COMB2	1.05	No Messages	No Messages
642	PL75x7.9 mm	Column	No Messages	0.41305	PMM	COMB2	1.05	No Messages	No Messages
643	PL75x7.9 mm	Column	No Messages	0.084455	PMM	COMB2	1.05	No Messages	No Messages
644	PL75x7.9 mm	Column	No Messages	0.69484	PMM	COMB2	1.05	No Messages	No Messages
645	PL75x7.9 mm	Column	No Messages	0.098843	PMM	COMB2	1.05	No Messages	No Messages
646	PL75x7.9 mm	Column	No Messages	0.841377	PMM	COMB2	1.05	No Messages	No Messages
647	PL75x7.9 mm	Column	No Messages	0.111757	PMM	COMB2	1.05	No Messages	No Messages
648	PL75x7.9 mm	Column	No Messages	0.673825	PMM	COMB2	1.05	No Messages	No Messages
649	PL75x7.9 mm	Column	No Messages	0.171577	PMM	COMB2	1.05	No Messages	No Messages
650	PL75x7.9 mm	Column	No Messages	0.616448	PMM	COMB2	1.05	No Messages	No Messages
651	PL75x7.9 mm	Column	No Messages	0.196662	PMM	COMB2	1.05	No Messages	No Messages
652	PL75x7.9 mm	Column	No Messages	0.483393	PMM	COMB2	1.05	No Messages	No Messages
653	PL75x7.9 mm	Column	No Messages	0.083986	PMM	COMB2	1.05	No Messages	No Messages
654	PL75x7.9 mm	Column	No Messages	0.148911	PMM	COMB2	1.05	No Messages	No Messages
655	PL75x7.9 mm	Column	No Messages	0.157957	PMM	COMB2	1.05	No Messages	No Messages
656	PL75x7.9 mm	Column	No Messages	0.29225	PMM	COMB2	1.05	No Messages	No Messages
657	PL75x7.9 mm	Column	No Messages	0.129738	PMM	COMB2	1.05	No Messages	No Messages
658	PL75x7.9 mm	Column	No Messages	0.332531	PMM	COMB2	1.05	No Messages	No Messages
659	PL75x7.9 mm	Column	No Messages	0.067273	PMM	COMB2	1.05	No Messages	No Messages
660	PL75x7.9 mm	Column	No Messages	0.468182	PMM	COMB2	1.05	No Messages	No Messages
661	PL75x7.9 mm	Column	No Messages	0.13266	PMM	COMB2	1.05	No Messages	No Messages
662	PL75x7.9 mm	Column	No Messages	0.696041	PMM	COMB2	1.05	No Messages	No Messages
663	PL75x7.9 mm	Column	No Messages	0.114721	PMM	COMB2	1.05	No Messages	No Messages
664	PL75x7.9 mm	Column	No Messages	0.137379	PMM	COMB2	1.05	No Messages	No Messages
665	PL75x7.9 mm	Column	No Messages	0.566309	PMM	COMB2	1.05	No Messages	No Messages
666	PL75x7.9 mm	Column	No Messages	0.157298	PMM	COMB2	1.05	No Messages	No Messages
667	PL75x7.9 mm	Column	No Messages	0.743154	PMM	COMB2	1.05	No Messages	No Messages
668	PL75x7.9 mm	Column	No Messages	0.133253	PMM	COMB2	1.05	No Messages	No Messages
669	T38x3 mm	Beam	No Messages	0.550274	PMM	COMB2	0	No Messages	No Messages
670	T38x3 mm	Beam	No Messages	0.510788	PMM	COMB2	0	No Messages	No Messages
671	T38x3 mm	Beam	No Messages	0.245439	PMM	COMB2	0.5	No Messages	No Messages
672	T38x3 mm	Beam	No Messages	0.137121	PMM	COMB2	0.125	No Messages	No Messages
673	T38x3 mm	Beam	No Messages	0.12746	PMM	COMB2	0.875	No Messages	No Messages

674	T38x3 mm	Beam	No Messages	0.141264	PMM	COMB2	0.25	No Messages	No Messages
675	T38x3 mm	Beam	No Messages	0.143426	PMM	COMB2	0	No Messages	No Messages
676	T38x3 mm	Beam	No Messages	0.247425	PMM	COMB2	0.5	No Messages	No Messages
677	T38x3 mm	Beam	No Messages	0.140573	PMM	COMB2	1	No Messages	No Messages
678	T38x3 mm	Beam	No Messages	0.146496	PMM	COMB2	0	No Messages	No Messages
679	T38x3 mm	Beam	No Messages	0.136933	PMM	COMB2	0.25	No Messages	No Messages
680	T38x3 mm	Beam	No Messages	0.176506	PMM	COMB2	0	No Messages	No Messages
681	T38x3 mm	Beam	No Messages	0.320686	PMM	COMB2	0.95	No Messages	No Messages
682	T38x3 mm	Beam	No Messages	0.164757	PMM	COMB2	1.25	No Messages	No Messages
684	T38x3 mm	Beam	No Messages	0.172239	PMM	COMB2	0	No Messages	No Messages
685	T38x3 mm	Beam	No Messages	0.124947	PMM	COMB2	0	No Messages	No Messages
686	T38x3 mm	Beam	No Messages	0.202721	PMM	COMB2	1	No Messages	No Messages
687	T38x3 mm	Beam	No Messages	0.116973	PMM	COMB2	0.625	No Messages	No Messages
688	T38x3 mm	Beam	No Messages	0.266964	PMM	COMB2	1	No Messages	No Messages
689	T38x3 mm	Beam	No Messages	0.263772	PMM	COMB2	0	No Messages	No Messages
690	T38x3 mm	Beam	No Messages	0.184074	PMM	COMB2	1	No Messages	No Messages
691	T38x3 mm	Beam	No Messages	0.184193	PMM	COMB2	0	No Messages	No Messages
692	T38x3 mm	Beam	No Messages	0.139466	PMM	COMB2	1	No Messages	No Messages
693	T38x3 mm	Beam	No Messages	0.082074	PMM	COMB2	1	No Messages	No Messages
694	T38x3 mm	Beam	No Messages	0.134756	PMM	COMB2	0.75	No Messages	No Messages
695	T38x3 mm	Beam	No Messages	0.293072	PMM	COMB2	1	No Messages	No Messages
696	T38x3 mm	Beam	No Messages	0.292734	PMM	COMB2	0	No Messages	No Messages
697	T38x3 mm	Beam	No Messages	0.194551	PMM	COMB2	1	No Messages	No Messages
698	T38x3 mm	Beam	No Messages	0.194726	PMM	COMB2	0	No Messages	No Messages
699	T38x3 mm	Beam	No Messages	0.126801	PMM	COMB2	1	No Messages	No Messages
700	T38x3 mm	Beam	No Messages	0.140367	PMM	COMB2	0	No Messages	No Messages
701	T38x3 mm	Beam	No Messages	0.096257	PMM	COMB2	0.25	No Messages	No Messages
702	T38x3 mm	Beam	No Messages	0.116451	PMM	COMB2	0.875	No Messages	No Messages
703	T38x3 mm	Beam	No Messages	0.143986	PMM	COMB2	0.25	No Messages	No Messages
704	T38x3 mm	Beam	No Messages	0.27576	PMM	COMB2	0	No Messages	No Messages
705	T38x3 mm	Beam	No Messages	0.127098	PMM	COMB2	0	No Messages	No Messages
706	T38x3 mm	Beam	No Messages	0.109944	PMM	COMB2	0.25	No Messages	No Messages
707	T38x3 mm	Beam	No Messages	0.125438	PMM	COMB2	0.75	No Messages	No Messages
708	T38x3 mm	Beam	No Messages	0.185837	PMM	COMB2	0.25	No Messages	No Messages
709	T38x3 mm	Beam	No Messages	0.162661	PMM	COMB2	0	No Messages	No Messages
710	T38x3 mm	Beam	No Messages	0.390819	PMM	COMB2	0.85	No Messages	No Messages
711	T38x3 mm	Beam	No Messages	0.227152	PMM	COMB2	1.15	No Messages	No Messages
712	T38x3 mm	Beam	No Messages	0.309873	PMM	COMB2	0	No Messages	No Messages
713	T38x3 mm	Beam	No Messages	0.177386	PMM	COMB2	0	No Messages	No Messages
714	T38x3 mm	Beam	No Messages	0.175371	PMM	COMB2	1	No Messages	No Messages
715	T38x3 mm	Beam	No Messages	0.138747	PMM	COMB2	0.75	No Messages	No Messages
716	T38x3 mm	Beam	No Messages	0.145845	PMM	COMB2	1	No Messages	No Messages
717	T38x3 mm	Beam	No Messages	0.138656	PMM	COMB2	0	No Messages	No Messages
718	T38x3 mm	Beam	No Messages	0.247124	PMM	COMB2	0.5	No Messages	No Messages
719	T38x3 mm	Beam	No Messages	0.142332	PMM	COMB2	1	No Messages	No Messages
720	T38x3 mm	Beam	No Messages	0.142083	PMM	COMB2	0.75	No Messages	No Messages
721	T38x3 mm	Beam	No Messages	0.128425	PMM	COMB2	0.125	No Messages	No Messages
722	T38x3 mm	Beam	No Messages	0.137509	PMM	COMB2	0.875	No Messages	No Messages
723	T38x3 mm	Beam	No Messages	0.24544	PMM	COMB2	0.5	No Messages	No Messages
724	T38x3 mm	Beam	No Messages	0.553824	PMM	COMB2	1	No Messages	No Messages
725	T38x3 mm	Beam	No Messages	0.511885	PMM	COMB2	1	No Messages	No Messages
733	T38x3 mm	Beam	No Messages	0.43224	PMM	COMB2	0	No Messages	No Messages
734	T38x3 mm	Beam	No Messages	0.395586	PMM	COMB2	0.85	No Messages	No Messages
735	T38x3 mm	Beam	No Messages	0.428119	PMM	COMB2	0	No Messages	No Messages
736	T38x3 mm	Beam	No Messages	0.394319	PMM	COMB2	0.85	No Messages	No Messages
737	T38x3 mm	Beam	No Messages	0.160687	PMM	COMB2	0	No Messages	No Messages
738	T38x3 mm	Beam	No Messages	0.056309	PMM	COMB2	0	No Messages	No Messages
739	T38x3 mm	Beam	No Messages	0.032448	PMM	COMB2	1	No Messages	No Messages
740	T38x3 mm	Beam	No Messages	0.029166	PMM	COMB2	1	No Messages	No Messages
741	T38x3 mm	Beam	No Messages	0.027166	PMM	COMB2	1	No Messages	No Messages
742	T38x3 mm	Beam	No Messages	0.02468	PMM	COMB2	1	No Messages	No Messages
743	T38x3 mm	Beam	No Messages	0.022793	PMM	COMB2	1	No Messages	No Messages
744	T38x3 mm	Beam	No Messages	0.022606	PMM	COMB2	1	No Messages	No Messages
745	T38x3 mm	Beam	No Messages	0.022551	PMM	COMB2	1	No Messages	No Messages
746	T38x3 mm	Beam	No Messages	0.024553	PMM	COMB2	1	No Messages	No Messages
747	T38x3 mm	Beam	No Messages	0.027508	PMM	COMB2	1	No Messages	No Messages

748	T38x3 mm	Beam	No Messages	0.087443	PMM	COMB2	0	No Messages	No Messages
749	T38x3 mm	Beam	No Messages	0.015093	PMM	COMB2	0	No Messages	No Messages
750	T38x3 mm	Beam	No Messages	0.005797	PMM	COMB2	1	No Messages	No Messages
751	T38x3 mm	Beam	No Messages	0.007251	PMM	COMB2	1	No Messages	No Messages
752	T38x3 mm	Beam	No Messages	0.008136	PMM	COMB2	1	No Messages	No Messages
753	T38x3 mm	Beam	No Messages	0.008249	PMM	COMB2	1	No Messages	No Messages
754	T38x3 mm	Beam	No Messages	0.008021	PMM	COMB2	1	No Messages	No Messages
755	T38x3 mm	Beam	No Messages	0.008423	PMM	COMB2	1	No Messages	No Messages
756	T38x3 mm	Beam	No Messages	0.008035	PMM	COMB2	1	No Messages	No Messages
757	T38x3 mm	Beam	No Messages	0.008362	PMM	COMB2	1	No Messages	No Messages
758	T38x3 mm	Beam	No Messages	0.008321	PMM	COMB2	1	No Messages	No Messages
759	T38x3 mm	Beam	No Messages	0.032013	PMM	COMB2	1	No Messages	No Messages
760	T38x3 mm	Beam	No Messages	0.038826	PMM	COMB2	1	No Messages	No Messages
761	T38x3 mm	Beam	No Messages	0.046702	PMM	COMB2	1	No Messages	No Messages
762	T38x3 mm	Beam	No Messages	0.057356	PMM	COMB2	1	No Messages	No Messages
763	T38x3 mm	Beam	No Messages	0.066168	PMM	COMB2	0.375	No Messages	No Messages
764	T38x3 mm	Beam	No Messages	0.100677	PMM	COMB2	1	No Messages	No Messages
765	T38x3 mm	Beam	No Messages	0.240393	PMM	COMB2	1	No Messages	No Messages
766	T38x3 mm	Beam	No Messages	0.290852	PMM	COMB2	0	No Messages	No Messages
767	T38x3 mm	Beam	No Messages	0.00828	PMM	COMB2	1	No Messages	No Messages
768	T38x3 mm	Beam	No Messages	0.008734	PMM	COMB2	1	No Messages	No Messages
769	T38x3 mm	Beam	No Messages	0.008091	PMM	COMB2	1	No Messages	No Messages
770	T38x3 mm	Beam	No Messages	0.008449	PMM	COMB2	1	No Messages	No Messages
771	T38x3 mm	Beam	No Messages	0.005293	PMM	COMB2	0.375	No Messages	No Messages
772	T38x3 mm	Beam	No Messages	0.038796	PMM	COMB2	1	No Messages	No Messages
773	T38x3 mm	Beam	No Messages	0.081805	PMM	COMB2	1	No Messages	No Messages
774	T38x3 mm	Beam	No Messages	0.12142	PMM	COMB2	0	No Messages	No Messages
775	T38x3 mm	Beam	No Messages	0.425309	PMM	COMB2	0.675	No Messages	No Messages
776	T38x3 mm	Beam	No Messages	0.221169	PMM	COMB2	0.675	No Messages	No Messages
777	T38x3 mm	Beam	No Messages	0.255971	PMM	COMB2	0	No Messages	No Messages
778	T38x3 mm	Beam	No Messages	0.118249	PMM	COMB2	0	No Messages	No Messages
779	T38x3 mm	Beam	No Messages	0.089194	PMM	COMB2	1	No Messages	No Messages
780	T38x3 mm	Beam	No Messages	0.086181	PMM	COMB2	1	No Messages	No Messages
781	T38x3 mm	Beam	No Messages	0.08557	PMM	COMB2	1	No Messages	No Messages
782	T38x3 mm	Beam	No Messages	0.084354	PMM	COMB2	1	No Messages	No Messages
783	T38x3 mm	Beam	No Messages	0.083584	PMM	COMB2	1	No Messages	No Messages
784	T38x3 mm	Beam	No Messages	0.084372	PMM	COMB2	1	No Messages	No Messages
785	T38x3 mm	Beam	No Messages	0.085139	PMM	COMB2	1	No Messages	No Messages
786	T38x3 mm	Beam	No Messages	0.087827	PMM	COMB2	1	No Messages	No Messages
787	T38x3 mm	Beam	No Messages	0.091328	PMM	COMB2	1	No Messages	No Messages
788	T38x3 mm	Beam	No Messages	0.176944	PMM	COMB2	0	No Messages	No Messages
789	T38x3 mm	Beam	No Messages	0.069053	PMM	COMB2	0	No Messages	No Messages
790	T38x3 mm	Beam	No Messages	0.046331	PMM	COMB2	1	No Messages	No Messages
791	T38x3 mm	Beam	No Messages	0.042767	PMM	COMB2	1	No Messages	No Messages
792	T38x3 mm	Beam	No Messages	0.040817	PMM	COMB2	1	No Messages	No Messages
793	T38x3 mm	Beam	No Messages	0.038847	PMM	COMB2	1	No Messages	No Messages
794	T38x3 mm	Beam	No Messages	0.037271	PMM	COMB2	1	No Messages	No Messages
795	T38x3 mm	Beam	No Messages	0.037193	PMM	COMB2	1	No Messages	No Messages
796	T38x3 mm	Beam	No Messages	0.037322	PMM	COMB2	1	No Messages	No Messages
797	T38x3 mm	Beam	No Messages	0.039324	PMM	COMB2	1	No Messages	No Messages
798	T38x3 mm	Beam	No Messages	0.042268	PMM	COMB2	1	No Messages	No Messages
799	T38x3 mm	Beam	No Messages	0.096244	PMM	COMB2	1	No Messages	No Messages
800	T38x3 mm	Beam	No Messages	0.103359	PMM	COMB2	1	No Messages	No Messages
801	T38x3 mm	Beam	No Messages	0.213616	PMM	COMB2	1	No Messages	No Messages
802	T38x3 mm	Beam	No Messages	0.23475	PMM	COMB2	1	No Messages	No Messages
803	T38x3 mm	Beam	No Messages	0.256067	PMM	COMB2	0.5	No Messages	No Messages
804	T38x3 mm	Beam	No Messages	0.304699	PMM	COMB2	1	No Messages	No Messages
805	T38x3 mm	Beam	No Messages	0.366738	PMM	COMB2	1	No Messages	No Messages
806	T38x3 mm	Beam	No Messages	0.416991	PMM	COMB2	0	No Messages	No Messages
807	T38x3 mm	Beam	No Messages	0.046699	PMM	COMB2	1	No Messages	No Messages
808	T38x3 mm	Beam	No Messages	0.053306	PMM	COMB2	1	No Messages	No Messages
809	T38x3 mm	Beam	No Messages	0.060574	PMM	COMB2	1	No Messages	No Messages
810	T38x3 mm	Beam	No Messages	0.071004	PMM	COMB2	1	No Messages	No Messages
811	T38x3 mm	Beam	No Messages	0.079643	PMM	COMB2	0.375	No Messages	No Messages
812	T38x3 mm	Beam	No Messages	0.113132	PMM	COMB2	1	No Messages	No Messages
813	T38x3 mm	Beam	No Messages	0.261113	PMM	COMB2	1	No Messages	No Messages

814	T38x3 mm	Beam	No Messages	0.309867	PMM	COMB2	0	No Messages	No Messages
815	T38x3 mm	Beam	No Messages	0.589203	PMM	COMB2	0.675	No Messages	No Messages
816	T38x3 mm	Beam	No Messages	0.447062	PMM	COMB2	0.675	No Messages	No Messages
817	T38x3 mm	Beam	No Messages	0.19898	PMM	COMB2	0.75	No Messages	No Messages
818	T38x3 mm	Beam	No Messages	0.129714	PMM	COMB2	1	No Messages	No Messages
819	T38x3 mm	Beam	No Messages	0.129794	PMM	COMB2	0	No Messages	No Messages
820	T38x3 mm	Beam	No Messages	0.133711	PMM	COMB2	0.25	No Messages	No Messages
821	T38x3 mm	Beam	No Messages	0.097774	PMM	COMB2	0.625	No Messages	No Messages
822	T38x3 mm	Beam	No Messages	0.05766	PMM	COMB2	0	No Messages	No Messages
823	T38x3 mm	Beam	No Messages	0.200624	PMM	COMB2	0.75	No Messages	No Messages
824	T38x3 mm	Beam	No Messages	0.150746	PMM	COMB2	1	No Messages	No Messages
825	T38x3 mm	Beam	No Messages	0.151787	PMM	COMB2	0	No Messages	No Messages
826	T38x3 mm	Beam	No Messages	0.112553	PMM	COMB2	0.25	No Messages	No Messages
827	T38x3 mm	Beam	No Messages	0.132631	PMM	COMB2	0.75	No Messages	No Messages
828	T38x3 mm	Beam	No Messages	0.149613	PMM	COMB2	0.25	No Messages	No Messages
829	T38x3 mm	Beam	No Messages	0.088602	PMM	COMB2	1.25	No Messages	No Messages
830	T38x3 mm	Beam	No Messages	0.443754	PMM	COMB2	1.25	No Messages	No Messages
831	T38x3 mm	Beam	No Messages	0.055795	PMM	COMB2	0	No Messages	No Messages
832	T38x3 mm	Beam	No Messages	0.446178	PMM	COMB2	0	No Messages	No Messages
833	T38x3 mm	Beam	No Messages	0.058478	PMM	COMB2	1	No Messages	No Messages
834	T38x3 mm	Beam	No Messages	0.104877	PMM	COMB2	1	No Messages	No Messages
835	T38x3 mm	Beam	No Messages	0.105262	PMM	COMB2	0	No Messages	No Messages
836	T38x3 mm	Beam	No Messages	0.296071	PMM	COMB2	1	No Messages	No Messages
837	T38x3 mm	Beam	No Messages	0.296165	PMM	COMB2	0	No Messages	No Messages
838	T38x3 mm	Beam	No Messages	0.151882	PMM	COMB2	1	No Messages	No Messages
839	T38x3 mm	Beam	No Messages	0.152097	PMM	COMB2	0	No Messages	No Messages
840	T38x3 mm	Beam	No Messages	0.095952	PMM	COMB2	0.25	No Messages	No Messages
841	T38x3 mm	Beam	No Messages	0.106133	PMM	COMB2	0.75	No Messages	No Messages
842	T38x3 mm	Beam	No Messages	0.12691	PMM	COMB2	0.375	No Messages	No Messages
843	T38x3 mm	Beam	No Messages	0.484251	PMM	COMB2	0.625	No Messages	No Messages
844	T38x3 mm	Beam	No Messages	0.499733	PMM	COMB2	1	No Messages	No Messages
845	T38x3 mm	Beam	No Messages	0.528462	PMM	COMB2	0	No Messages	No Messages
846	T38x3 mm	Beam	No Messages	0.640687	PMM	COMB2	1	No Messages	No Messages
847	T38x3 mm	Beam	No Messages	0.667475	PMM	COMB2	0	No Messages	No Messages
848	T38x3 mm	Beam	No Messages	0.611507	PMM	COMB2	1	No Messages	No Messages
849	T38x3 mm	Beam	No Messages	0.635699	PMM	COMB2	0	No Messages	No Messages
850	T38x3 mm	Beam	No Messages	0.622902	PMM	COMB2	1	No Messages	No Messages
851	T38x3 mm	Beam	No Messages	0.645861	PMM	COMB2	0	No Messages	No Messages
852	T38x3 mm	Beam	No Messages	0.669393	PMM	COMB2	0.375	No Messages	No Messages
853	T38x3 mm	Beam	No Messages	0.152779	PMM	COMB2	0.625	No Messages	No Messages
854	T38x3 mm	Beam	No Messages	0.13932	PMM	COMB2	1	No Messages	No Messages
855	T38x3 mm	Beam	No Messages	0.713314	PMM	COMB2	0.75	No Messages	No Messages
856	T38x3 mm	Beam	No Messages	0.838656	PMM	COMB2	0.25	No Messages	No Messages
857	T38x3 mm	Beam	No Messages	0.130099	PMM	COMB2	1.15	No Messages	No Messages
858	T38x3 mm	Beam	No Messages	1.14347	PMM	COMB2	1.15	No Messages	No Messages
859	T38x3 mm	Beam	No Messages	0.095831	PMM	COMB2	0	No Messages	No Messages
860	T38x3 mm	Beam	No Messages	0.439749	PMM	COMB2	0	No Messages	No Messages
861	T38x3 mm	Beam	No Messages	0.058639	PMM	COMB2	0	No Messages	No Messages
862	T38x3 mm	Beam	No Messages	0.098433	PMM	COMB2	0.375	No Messages	No Messages
863	T38x3 mm	Beam	No Messages	0.134267	PMM	COMB2	0.75	No Messages	No Messages
864	T38x3 mm	Beam	No Messages	0.129383	PMM	COMB2	1	No Messages	No Messages
865	T38x3 mm	Beam	No Messages	0.129316	PMM	COMB2	0	No Messages	No Messages
866	T38x3 mm	Beam	No Messages	0.192638	PMM	COMB2	0.75	No Messages	No Messages
867	T38x3 mm	Beam	No Messages	0.134349	PMM	COMB2	0.25	No Messages	No Messages
868	T38x3 mm	Beam	No Messages	0.114458	PMM	COMB2	0.75	No Messages	No Messages
869	T38x3 mm	Beam	No Messages	0.150304	PMM	COMB2	1	No Messages	No Messages
870	T38x3 mm	Beam	No Messages	0.149291	PMM	COMB2	0	No Messages	No Messages
871	T38x3 mm	Beam	No Messages	0.187703	PMM	COMB2	0.5	No Messages	No Messages
872	T38x3 mm	Beam	No Messages	0.189703	PMM	COMB2	0.5	No Messages	No Messages
873	T38x3 mm	Beam	No Messages	0.155714	PMM	COMB2	1.5	No Messages	No Messages
874	T38x3 mm	Beam	No Messages	0.147624	PMM	COMB2	0	No Messages	No Messages
875	T38x3 mm	Beam	No Messages	0.487112	PMM	COMB2	1.5	No Messages	No Messages
876	T38x3 mm	Beam	No Messages	0.150148	PMM	COMB2	1.5	No Messages	No Messages
877	T38x3 mm	Beam	No Messages	0.144779	PMM	COMB2	0	No Messages	No Messages
878	T38x3 mm	Beam	No Messages	0.423048	PMM	COMB2	1.5	No Messages	No Messages
879	T38x3 mm	Beam	No Messages	0.15077	PMM	COMB2	1.5	No Messages	No Messages

880	T38x3 mm	Beam	No Messages	0.145361	PMM	COMB2	0	No Messages	No Messages
881	T38x3 mm	Beam	No Messages	0.428125	PMM	COMB2	1.5	No Messages	No Messages
882	T38x3 mm	Beam	No Messages	0.054532	PMM	COMB2	0	No Messages	No Messages
883	T38x3 mm	Beam	No Messages	0.046391	PMM	COMB2	1.5	No Messages	No Messages
884	T38x3 mm	Beam	No Messages	0.203046	PMM	COMB2	1.5	No Messages	No Messages
885	T38x3 mm	Beam	No Messages	0.389174	PMM	COMB2	0	No Messages	No Messages
886	T38x3 mm	Beam	No Messages	0.367334	PMM	COMB2	0	No Messages	No Messages
887	T38x3 mm	Beam	No Messages	0.179814	PMM	COMB2	0.5	No Messages	No Messages
888	T38x3 mm	Beam	No Messages	0.127134	PMM	COMB2	1	No Messages	No Messages
889	T38x3 mm	Beam	No Messages	0.126962	PMM	COMB2	0	No Messages	No Messages
890	T38x3 mm	Beam	No Messages	0.101952	PMM	COMB2	0.25	No Messages	No Messages
891	T38x3 mm	Beam	No Messages	0.148242	PMM	COMB2	0	No Messages	No Messages
892	T38x3 mm	Beam	No Messages	0.187518	PMM	COMB2	0.5	No Messages	No Messages
893	T38x3 mm	Beam	No Messages	0.154265	PMM	COMB2	1	No Messages	No Messages
894	T38x3 mm	Beam	No Messages	0.16005	PMM	COMB2	0	No Messages	No Messages
895	T38x3 mm	Beam	No Messages	0.116618	PMM	COMB2	1	No Messages	No Messages
896	T38x3 mm	Beam	No Messages	0.193952	PMM	COMB2	0	No Messages	No Messages
897	T38x3 mm	Beam	No Messages	0.236458	PMM	COMB2	0.95	No Messages	No Messages
898	T38x3 mm	Beam	No Messages	0.14584	PMM	COMB2	1.25	No Messages	No Messages
900	T38x3 mm	Beam	No Messages	0.135449	PMM	COMB2	0	No Messages	No Messages
901	T38x3 mm	Beam	No Messages	0.12688	PMM	COMB2	0	No Messages	No Messages
902	T38x3 mm	Beam	No Messages	0.23026	PMM	COMB2	1	No Messages	No Messages
903	T38x3 mm	Beam	No Messages	0.143616	PMM	COMB2	0	No Messages	No Messages
904	T38x3 mm	Beam	No Messages	0.213156	PMM	COMB2	1	No Messages	No Messages
905	T38x3 mm	Beam	No Messages	0.208252	PMM	COMB2	0	No Messages	No Messages
906	T38x3 mm	Beam	No Messages	0.193968	PMM	COMB2	1	No Messages	No Messages
907	T38x3 mm	Beam	No Messages	0.193284	PMM	COMB2	0	No Messages	No Messages
908	T38x3 mm	Beam	No Messages	0.161425	PMM	COMB2	1	No Messages	No Messages
909	T38x3 mm	Beam	No Messages	0.097014	PMM	COMB2	1	No Messages	No Messages
910	T38x3 mm	Beam	No Messages	0.112872	PMM	COMB2	0.75	No Messages	No Messages
911	T38x3 mm	Beam	No Messages	0.26046	PMM	COMB2	1	No Messages	No Messages
912	T38x3 mm	Beam	No Messages	0.260203	PMM	COMB2	0	No Messages	No Messages
913	T38x3 mm	Beam	No Messages	0.196048	PMM	COMB2	1	No Messages	No Messages
914	T38x3 mm	Beam	No Messages	0.195232	PMM	COMB2	0	No Messages	No Messages
915	T38x3 mm	Beam	No Messages	0.147598	PMM	COMB2	1	No Messages	No Messages
916	T38x3 mm	Beam	No Messages	0.161128	PMM	COMB2	0	No Messages	No Messages
917	T38x3 mm	Beam	No Messages	0.126645	PMM	COMB2	1	No Messages	No Messages
918	T38x3 mm	Beam	No Messages	0.129317	PMM	COMB2	0	No Messages	No Messages
919	T38x3 mm	Beam	No Messages	0.124551	PMM	COMB2	0.25	No Messages	No Messages
920	T38x3 mm	Beam	No Messages	0.299834	PMM	COMB2	0	No Messages	No Messages
921	T38x3 mm	Beam	No Messages	0.146685	PMM	COMB2	0	No Messages	No Messages
922	T38x3 mm	Beam	No Messages	0.097554	PMM	COMB2	1	No Messages	No Messages
923	T38x3 mm	Beam	No Messages	0.09697	PMM	COMB2	0	No Messages	No Messages
924	T38x3 mm	Beam	No Messages	0.160871	PMM	COMB2	0.375	No Messages	No Messages
925	T38x3 mm	Beam	No Messages	0.175974	PMM	COMB2	0	No Messages	No Messages
926	T38x3 mm	Beam	No Messages	0.299255	PMM	COMB2	0.85	No Messages	No Messages
927	T38x3 mm	Beam	No Messages	0.199662	PMM	COMB2	1.15	No Messages	No Messages
928	T38x3 mm	Beam	No Messages	0.2215	PMM	COMB2	0	No Messages	No Messages
929	T38x3 mm	Beam	No Messages	0.156725	PMM	COMB2	0	No Messages	No Messages
930	T38x3 mm	Beam	No Messages	0.192154	PMM	COMB2	1	No Messages	No Messages
931	T38x3 mm	Beam	No Messages	0.118797	PMM	COMB2	0	No Messages	No Messages
932	T38x3 mm	Beam	No Messages	0.160601	PMM	COMB2	1	No Messages	No Messages
933	T38x3 mm	Beam	No Messages	0.15351	PMM	COMB2	0	No Messages	No Messages
934	T38x3 mm	Beam	No Messages	0.187436	PMM	COMB2	0.5	No Messages	No Messages
935	T38x3 mm	Beam	No Messages	0.147494	PMM	COMB2	1	No Messages	No Messages
936	T38x3 mm	Beam	No Messages	0.102288	PMM	COMB2	0.75	No Messages	No Messages
937	T38x3 mm	Beam	No Messages	0.126585	PMM	COMB2	1	No Messages	No Messages
938	T38x3 mm	Beam	No Messages	0.126647	PMM	COMB2	0	No Messages	No Messages
939	T38x3 mm	Beam	No Messages	0.179966	PMM	COMB2	0.5	No Messages	No Messages
940	T38x3 mm	Beam	No Messages	0.392074	PMM	COMB2	1	No Messages	No Messages
941	T38x3 mm	Beam	No Messages	0.369047	PMM	COMB2	1	No Messages	No Messages
949	T38x3 mm	Beam	No Messages	0.275406	PMM	COMB2	0	No Messages	No Messages
950	T38x3 mm	Beam	No Messages	0.257537	PMM	COMB2	0.85	No Messages	No Messages
951	T38x3 mm	Beam	No Messages	0.272141	PMM	COMB2	0	No Messages	No Messages
952	T38x3 mm	Beam	No Messages	0.255598	PMM	COMB2	0.85	No Messages	No Messages
953	T38x3 mm	Beam	No Messages	0.117001	PMM	COMB2	0	No Messages	No Messages

954	T38x3 mm	Beam	No Messages	0.022625	PMM	COMB2	0	No Messages	No Messages
955	T38x3 mm	Beam	No Messages	0.006161	PMM	COMB2	1	No Messages	No Messages
956	T38x3 mm	Beam	No Messages	0.007423	PMM	COMB2	1	No Messages	No Messages
957	T38x3 mm	Beam	No Messages	0.008656	PMM	COMB2	1	No Messages	No Messages
958	T38x3 mm	Beam	No Messages	0.00852	PMM	COMB2	1	No Messages	No Messages
959	T38x3 mm	Beam	No Messages	0.008204	PMM	COMB2	1	No Messages	No Messages
960	T38x3 mm	Beam	No Messages	0.008638	PMM	COMB2	1	No Messages	No Messages
961	T38x3 mm	Beam	No Messages	0.008162	PMM	COMB2	1	No Messages	No Messages
962	T38x3 mm	Beam	No Messages	0.008464	PMM	COMB2	1	No Messages	No Messages
963	T38x3 mm	Beam	No Messages	0.008389	PMM	COMB2	1	No Messages	No Messages
964	T38x3 mm	Beam	No Messages	0.078011	PMM	COMB2	0	No Messages	No Messages
965	T38x3 mm	Beam	No Messages	0.014809	PMM	COMB2	0	No Messages	No Messages
966	T38x3 mm	Beam	No Messages	0.005902	PMM	COMB2	1	No Messages	No Messages
967	T38x3 mm	Beam	No Messages	0.007542	PMM	COMB2	1	No Messages	No Messages
968	T38x3 mm	Beam	No Messages	0.008417	PMM	COMB2	1	No Messages	No Messages
969	T38x3 mm	Beam	No Messages	0.00852	PMM	COMB2	1	No Messages	No Messages
970	T38x3 mm	Beam	No Messages	0.008255	PMM	COMB2	1	No Messages	No Messages
971	T38x3 mm	Beam	No Messages	0.008616	PMM	COMB2	1	No Messages	No Messages
972	T38x3 mm	Beam	No Messages	0.00821	PMM	COMB2	1	No Messages	No Messages
973	T38x3 mm	Beam	No Messages	0.008479	PMM	COMB2	1	No Messages	No Messages
974	T38x3 mm	Beam	No Messages	0.008421	PMM	COMB2	1	No Messages	No Messages
975	T38x3 mm	Beam	No Messages	0.008251	PMM	COMB2	1	No Messages	No Messages
976	T38x3 mm	Beam	No Messages	0.008691	PMM	COMB2	1	No Messages	No Messages
977	T38x3 mm	Beam	No Messages	0.008277	PMM	COMB2	1	No Messages	No Messages
978	T38x3 mm	Beam	No Messages	0.008513	PMM	COMB2	1	No Messages	No Messages
979	T38x3 mm	Beam	No Messages	0.005444	PMM	COMB2	0.5	No Messages	No Messages
980	T38x3 mm	Beam	No Messages	0.023103	PMM	COMB2	1	No Messages	No Messages
981	T38x3 mm	Beam	No Messages	0.043504	PMM	COMB2	1	No Messages	No Messages
982	T38x3 mm	Beam	No Messages	0.073602	PMM	COMB2	0	No Messages	No Messages
983	T38x3 mm	Beam	No Messages	0.008328	PMM	COMB2	1	No Messages	No Messages
984	T38x3 mm	Beam	No Messages	0.008747	PMM	COMB2	1	No Messages	No Messages
985	T38x3 mm	Beam	No Messages	0.008048	PMM	COMB2	1	No Messages	No Messages
986	T38x3 mm	Beam	No Messages	0.008432	PMM	COMB2	1	No Messages	No Messages
987	T38x3 mm	Beam	No Messages	0.005187	PMM	COMB2	0.375	No Messages	No Messages
988	T38x3 mm	Beam	No Messages	0.02229	PMM	COMB2	1	No Messages	No Messages
989	T38x3 mm	Beam	No Messages	0.042299	PMM	COMB2	1	No Messages	No Messages
990	T38x3 mm	Beam	No Messages	0.0723	PMM	COMB2	0	No Messages	No Messages
991	T38x3 mm	Beam	No Messages	0.228627	PMM	COMB2	0.675	No Messages	No Messages
992	T38x3 mm	Beam	No Messages	0.174369	PMM	COMB2	0.675	No Messages	No Messages
993	T38x3 mm	Beam	No Messages	0.150598	PMM	COMB2	0	No Messages	No Messages
994	T38x3 mm	Beam	No Messages	0.029062	PMM	COMB2	0	No Messages	No Messages
995	T38x3 mm	Beam	No Messages	0.00725	PMM	COMB2	1	No Messages	No Messages
996	T38x3 mm	Beam	No Messages	0.007336	PMM	COMB2	1	No Messages	No Messages
997	T38x3 mm	Beam	No Messages	0.008659	PMM	COMB2	1	No Messages	No Messages
998	T38x3 mm	Beam	No Messages	0.008491	PMM	COMB2	1	No Messages	No Messages
999	T38x3 mm	Beam	No Messages	0.008171	PMM	COMB2	1	No Messages	No Messages
1000	T38x3 mm	Beam	No Messages	0.008596	PMM	COMB2	1	No Messages	No Messages
1001	T38x3 mm	Beam	No Messages	0.008111	PMM	COMB2	1	No Messages	No Messages
1002	T38x3 mm	Beam	No Messages	0.008405	PMM	COMB2	1	No Messages	No Messages
1003	T38x3 mm	Beam	No Messages	0.008323	PMM	COMB2	1	No Messages	No Messages
1004	T38x3 mm	Beam	No Messages	0.118058	PMM	COMB2	0	No Messages	No Messages
1005	T38x3 mm	Beam	No Messages	0.022729	PMM	COMB2	0	No Messages	No Messages
1006	T38x3 mm	Beam	No Messages	0.007001	PMM	COMB2	1	No Messages	No Messages
1007	T38x3 mm	Beam	No Messages	0.007361	PMM	COMB2	1	No Messages	No Messages
1008	T38x3 mm	Beam	No Messages	0.008352	PMM	COMB2	1	No Messages	No Messages
1009	T38x3 mm	Beam	No Messages	0.008413	PMM	COMB2	1	No Messages	No Messages
1010	T38x3 mm	Beam	No Messages	0.008143	PMM	COMB2	1	No Messages	No Messages
1011	T38x3 mm	Beam	No Messages	0.008493	PMM	COMB2	1	No Messages	No Messages
1012	T38x3 mm	Beam	No Messages	0.008075	PMM	COMB2	1	No Messages	No Messages
1013	T38x3 mm	Beam	No Messages	0.008334	PMM	COMB2	1	No Messages	No Messages
1014	T38x3 mm	Beam	No Messages	0.008266	PMM	COMB2	1	No Messages	No Messages
1015	T38x3 mm	Beam	No Messages	0.008177	PMM	COMB2	1	No Messages	No Messages
1016	T38x3 mm	Beam	No Messages	0.008621	PMM	COMB2	1	No Messages	No Messages
1017	T38x3 mm	Beam	No Messages	0.008194	PMM	COMB2	1	No Messages	No Messages
1018	T38x3 mm	Beam	No Messages	0.008462	PMM	COMB2	1	No Messages	No Messages
1019	T38x3 mm	Beam	No Messages	0.005511	PMM	COMB2	0.5	No Messages	No Messages

1020	T38x3 mm	Beam	No Messages	0.023178	PMM	COMB2	1	No Messages	No Messages
1021	T38x3 mm	Beam	No Messages	0.042012	PMM	COMB2	1	No Messages	No Messages
1022	T38x3 mm	Beam	No Messages	0.071211	PMM	COMB2	0	No Messages	No Messages
1023	T38x3 mm	Beam	No Messages	0.008163	PMM	COMB2	1	No Messages	No Messages
1024	T38x3 mm	Beam	No Messages	0.008582	PMM	COMB2	1	No Messages	No Messages
1025	T38x3 mm	Beam	No Messages	0.007866	PMM	COMB2	1	No Messages	No Messages
1026	T38x3 mm	Beam	No Messages	0.008277	PMM	COMB2	1	No Messages	No Messages
1027	T38x3 mm	Beam	No Messages	0.005178	PMM	COMB2	0.375	No Messages	No Messages
1028	T38x3 mm	Beam	No Messages	0.022449	PMM	COMB2	1	No Messages	No Messages
1029	T38x3 mm	Beam	No Messages	0.040286	PMM	COMB2	1	No Messages	No Messages
1030	T38x3 mm	Beam	No Messages	0.069754	PMM	COMB2	0	No Messages	No Messages
1031	T38x3 mm	Beam	No Messages	0.265502	PMM	COMB2	0.675	No Messages	No Messages
1032	T38x3 mm	Beam	No Messages	0.227124	PMM	COMB2	0.675	No Messages	No Messages
1033	T38x3 mm	Beam	No Messages	0.185428	PMM	COMB2	0.625	No Messages	No Messages
1034	T38x3 mm	Beam	No Messages	0.146098	PMM	COMB2	1	No Messages	No Messages
1035	T38x3 mm	Beam	No Messages	0.145903	PMM	COMB2	0	No Messages	No Messages
1036	T38x3 mm	Beam	No Messages	0.095451	PMM	COMB2	0.25	No Messages	No Messages
1037	T38x3 mm	Beam	No Messages	0.081012	PMM	COMB2	0	No Messages	No Messages
1038	T38x3 mm	Beam	No Messages	0.083978	PMM	COMB2	0	No Messages	No Messages
1039	T38x3 mm	Beam	No Messages	0.19039	PMM	COMB2	0.625	No Messages	No Messages
1040	T38x3 mm	Beam	No Messages	0.1594	PMM	COMB2	1	No Messages	No Messages
1041	T38x3 mm	Beam	No Messages	0.160089	PMM	COMB2	0	No Messages	No Messages
1042	T38x3 mm	Beam	No Messages	0.109206	PMM	COMB2	1	No Messages	No Messages
1043	T38x3 mm	Beam	No Messages	0.108966	PMM	COMB2	0	No Messages	No Messages
1044	T38x3 mm	Beam	No Messages	0.144464	PMM	COMB2	0.25	No Messages	No Messages
1045	T38x3 mm	Beam	No Messages	0.04487	PMM	COMB2	1.25	No Messages	No Messages
1046	T38x3 mm	Beam	No Messages	0.307756	PMM	COMB2	1.25	No Messages	No Messages
1047	T38x3 mm	Beam	No Messages	0.04566	PMM	COMB2	1.25	No Messages	No Messages
1048	T38x3 mm	Beam	No Messages	0.062988	PMM	COMB2	0	No Messages	No Messages
1049	T38x3 mm	Beam	No Messages	0.049261	PMM	COMB2	1	No Messages	No Messages
1050	T38x3 mm	Beam	No Messages	0.133179	PMM	COMB2	1	No Messages	No Messages
1051	T38x3 mm	Beam	No Messages	0.133856	PMM	COMB2	0	No Messages	No Messages
1052	T38x3 mm	Beam	No Messages	0.258558	PMM	COMB2	1	No Messages	No Messages
1053	T38x3 mm	Beam	No Messages	0.258432	PMM	COMB2	0	No Messages	No Messages
1054	T38x3 mm	Beam	No Messages	0.162961	PMM	COMB2	1	No Messages	No Messages
1055	T38x3 mm	Beam	No Messages	0.161897	PMM	COMB2	0	No Messages	No Messages
1056	T38x3 mm	Beam	No Messages	0.119939	PMM	COMB2	1	No Messages	No Messages
1057	T38x3 mm	Beam	No Messages	0.118857	PMM	COMB2	0	No Messages	No Messages
1058	T38x3 mm	Beam	No Messages	0.087339	PMM	COMB2	0.25	No Messages	No Messages
1059	T38x3 mm	Beam	No Messages	0.109673	PMM	COMB2	0.625	No Messages	No Messages
1060	T38x3 mm	Beam	No Messages	0.152048	PMM	COMB2	1	No Messages	No Messages
1061	T38x3 mm	Beam	No Messages	0.152105	PMM	COMB2	0	No Messages	No Messages
1062	T38x3 mm	Beam	No Messages	0.249628	PMM	COMB2	1	No Messages	No Messages
1063	T38x3 mm	Beam	No Messages	0.249636	PMM	COMB2	0	No Messages	No Messages
1064	T38x3 mm	Beam	No Messages	0.151778	PMM	COMB2	1	No Messages	No Messages
1065	T38x3 mm	Beam	No Messages	0.151709	PMM	COMB2	0	No Messages	No Messages
1066	T38x3 mm	Beam	No Messages	0.125933	PMM	COMB2	1	No Messages	No Messages
1067	T38x3 mm	Beam	No Messages	0.125081	PMM	COMB2	0	No Messages	No Messages
1068	T38x3 mm	Beam	No Messages	0.080785	PMM	COMB2	1	No Messages	No Messages
1069	T38x3 mm	Beam	No Messages	0.123563	PMM	COMB2	0	No Messages	No Messages
1070	T38x3 mm	Beam	No Messages	0.124198	PMM	COMB2	1	No Messages	No Messages
1071	T38x3 mm	Beam	No Messages	0.083112	PMM	COMB2	0.75	No Messages	No Messages
1072	T38x3 mm	Beam	No Messages	0.177017	PMM	COMB2	0.375	No Messages	No Messages
1073	T38x3 mm	Beam	No Messages	0.071798	PMM	COMB2	1.15	No Messages	No Messages
1074	T38x3 mm	Beam	No Messages	0.34456	PMM	COMB2	1.15	No Messages	No Messages
1075	T38x3 mm	Beam	No Messages	0.048844	PMM	COMB2	0	No Messages	No Messages
1076	T38x3 mm	Beam	No Messages	0.303054	PMM	COMB2	0	No Messages	No Messages
1077	T38x3 mm	Beam	No Messages	0.085386	PMM	COMB2	1	No Messages	No Messages
1078	T38x3 mm	Beam	No Messages	0.080423	PMM	COMB2	1	No Messages	No Messages
1079	T38x3 mm	Beam	No Messages	0.095743	PMM	COMB2	0.75	No Messages	No Messages
1080	T38x3 mm	Beam	No Messages	0.145689	PMM	COMB2	1	No Messages	No Messages
1081	T38x3 mm	Beam	No Messages	0.145888	PMM	COMB2	0	No Messages	No Messages
1082	T38x3 mm	Beam	No Messages	0.148249	PMM	COMB2	0.75	No Messages	No Messages
1083	T38x3 mm	Beam	No Messages	0.106407	PMM	COMB2	1	No Messages	No Messages
1084	T38x3 mm	Beam	No Messages	0.106663	PMM	COMB2	0	No Messages	No Messages
1085	T38x3 mm	Beam	No Messages	0.159166	PMM	COMB2	1	No Messages	No Messages

1086	T38x3 mm	Beam	No Messages	0.158504	PMM	COMB2	0	No Messages	No Messages
1087	T38x3 mm	Beam	No Messages	0.180431	PMM	COMB2	0.5	No Messages	No Messages
1088	T38x3 mm	Beam	No Messages	0.184946	PMM	COMB2	0.5	No Messages	No Messages
1089	T38x3 mm	Beam	No Messages	0.183875	PMM	COMB2	1.5	No Messages	No Messages
1090	T38x3 mm	Beam	No Messages	0.164282	PMM	COMB2	0	No Messages	No Messages
1091	T38x3 mm	Beam	No Messages	0.40374	PMM	COMB2	1.5	No Messages	No Messages
1092	T38x3 mm	Beam	No Messages	0.176852	PMM	COMB2	1.5	No Messages	No Messages
1093	T38x3 mm	Beam	No Messages	0.161047	PMM	COMB2	0	No Messages	No Messages
1094	T38x3 mm	Beam	No Messages	0.354318	PMM	COMB2	1.5	No Messages	No Messages
1095	T38x3 mm	Beam	No Messages	0.178193	PMM	COMB2	1.5	No Messages	No Messages
1096	T38x3 mm	Beam	No Messages	0.162047	PMM	COMB2	0	No Messages	No Messages
1097	T38x3 mm	Beam	No Messages	0.361406	PMM	COMB2	1.5	No Messages	No Messages
1098	T38x3 mm	Beam	No Messages	0.156177	PMM	COMB2	1.5	No Messages	No Messages
1099	T38x3 mm	Beam	No Messages	0.155708	PMM	COMB2	0	No Messages	No Messages
1100	T38x3 mm	Beam	No Messages	0.107532	PMM	COMB2	1.5	No Messages	No Messages
69	IPE180	Beam	No Messages	0.002154	PMM	COMB1	0	No Messages	No Messages
319	IPE180	Beam	No Messages	0.077349	PMM	COMB2	0	No Messages	No Messages
320	IPE180	Beam	No Messages	0.078464	PMM	COMB2	0	No Messages	No Messages
321	IPE180	Beam	No Messages	0.0014	PMM	COMB2	1	No Messages	No Messages
322	PL75x7.9 mm	Column	No Messages	0.987261	PMM	COMB2	0	No Messages	No Messages
323	PL75x7.9 mm	Column	No Messages	0.701851	PMM	COMB2	0	No Messages	No Messages
324	PL75x7.9 mm	Column	No Messages	0.459022	PMM	COMB2	0	No Messages	No Messages
325	PL75x7.9 mm	Column	No Messages	0.432595	PMM	COMB2	0	No Messages	No Messages
326	T38x3 mm	Beam	No Messages	0.693223	PMM	COMB2	0.3	No Messages	No Messages
327	T38x3 mm	Beam	No Messages	0.548536	PMM	COMB2	0	No Messages	No Messages
328	T38x3 mm	Beam	No Messages	0.130396	PMM	COMB2	1	No Messages	No Messages
329	T38x3 mm	Beam	No Messages	0.636921	PMM	COMB2	1	No Messages	No Messages
330	T38x3 mm	Beam	No Messages	0.888334	PMM	COMB2	0	No Messages	No Messages
377	T38x3 mm	Beam	No Messages	0.647722	PMM	COMB2	0.3	No Messages	No Messages
378	T38x3 mm	Beam	No Messages	0.45594	PMM	COMB2	0	No Messages	No Messages
379	T38x3 mm	Beam	No Messages	0.080142	PMM	COMB2	1	No Messages	No Messages
388	T38x3 mm	Beam	No Messages	0.518428	PMM	COMB2	1	No Messages	No Messages
389	T38x3 mm	Beam	No Messages	0.888358	PMM	COMB2	0	No Messages	No Messages
390	T38x3 mm	Beam	No Messages	0.618679	PMM	COMB2	0.3	No Messages	No Messages
515	T38x3 mm	Beam	No Messages	0.427372	PMM	COMB2	0	No Messages	No Messages
516	T38x3 mm	Beam	No Messages	0.048289	PMM	COMB2	1	No Messages	No Messages
517	T38x3 mm	Beam	No Messages	0.476013	PMM	COMB2	1	No Messages	No Messages
518	T38x3 mm	Beam	No Messages	0.917083	PMM	COMB2	0	No Messages	No Messages
525	IPE180	Beam	No Messages	0.078214	PMM	COMB2	0	No Messages	No Messages
526	IPE180	Beam	No Messages	0.067814	PMM	COMB2	0	No Messages	No Messages
528	IPE180	Beam	No Messages	0.002774	PMM	COMB2	1	No Messages	No Messages
573	PL75x7.9 mm	Column	No Messages	0.903938	PMM	COMB2	0	No Messages	No Messages
574	PL75x7.9 mm	Column	No Messages	0.654773	PMM	COMB2	0	No Messages	No Messages
575	PL75x7.9 mm	Column	No Messages	0.398317	PMM	COMB2	0	No Messages	No Messages
576	PL75x7.9 mm	Column	No Messages	0.420959	PMM	COMB2	0	No Messages	No Messages
577	T38x3 mm	Beam	No Messages	0.649899	PMM	COMB2	0.3	No Messages	No Messages
578	T38x3 mm	Beam	No Messages	0.385344	PMM	COMB2	0	No Messages	No Messages
579	T38x3 mm	Beam	No Messages	0.14549	PMM	COMB2	1	No Messages	No Messages
580	T38x3 mm	Beam	No Messages	0.563324	PMM	COMB2	1	No Messages	No Messages
581	T38x3 mm	Beam	No Messages	0.695591	PMM	COMB2	0	No Messages	No Messages
582	T38x3 mm	Beam	No Messages	0.742268	PMM	COMB2	0.3	No Messages	No Messages
583	T38x3 mm	Beam	No Messages	0.343862	PMM	COMB2	0	No Messages	No Messages
584	T38x3 mm	Beam	No Messages	0.096257	PMM	COMB2	1	No Messages	No Messages
585	T38x3 mm	Beam	No Messages	0.454486	PMM	COMB2	1	No Messages	No Messages
586	T38x3 mm	Beam	No Messages	0.634336	PMM	COMB2	0	No Messages	No Messages
587	T38x3 mm	Beam	No Messages	0.803233	PMM	COMB2	0.3	No Messages	No Messages
588	T38x3 mm	Beam	No Messages	0.344323	PMM	COMB2	0	No Messages	No Messages
589	T38x3 mm	Beam	No Messages	0.058218	PMM	COMB2	1	No Messages	No Messages
590	T38x3 mm	Beam	No Messages	0.411178	PMM	COMB2	1	No Messages	No Messages
591	T38x3 mm	Beam	No Messages	0.601063	PMM	COMB2	0	No Messages	No Messages
43	IPE180	Beam	No Messages	0.068597	PMM	COMB2	1.19583	No Messages	No Messages
44	IPE180	Beam	No Messages	0.067254	PMM	COMB2	0	No Messages	No Messages
45	IPE180	Beam	No Messages	0.005691	PMM	COMB2	0.10833	No Messages	No Messages
49	IPE180	Beam	No Messages	0.002247	PMM	COMB1	1.69583	No Messages	No Messages
55	IPE180	Beam	No Messages	0.002216	PMM	COMB1	0	No Messages	No Messages
56	IPE180	Beam	No Messages	0.002271	PMM	COMB1	0	No Messages	No Messages

57	IPE180	Beam	No Messages	0.00215	PMM	COMB1	1.69583	No Messages	No Messages
61	IPE180	Beam	No Messages	0.002408	PMM	COMB2	1.69583	No Messages	No Messages
62	IPE180	Beam	No Messages	0.002373	PMM	COMB2	0	No Messages	No Messages
64	IPE180	Beam	No Messages	0.028388	PMM	COMB2	1.69583	No Messages	No Messages
65	IPE180	Beam	No Messages	0.244983	PMM	COMB2	1.69583	No Messages	No Messages
66	IPE180	Beam	No Messages	0.245265	PMM	COMB2	0	No Messages	No Messages
67	IPE180	Beam	No Messages	0.068553	PMM	COMB2	1.19583	No Messages	No Messages
68	IPE180	Beam	No Messages	0.066352	PMM	COMB2	0	No Messages	No Messages
77	IPE180	Beam	No Messages	0.005538	PMM	COMB2	0.10833	No Messages	No Messages
78	IPE180	Beam	No Messages	0.002244	PMM	COMB1	1.69583	No Messages	No Messages
79	IPE180	Beam	No Messages	0.002215	PMM	COMB1	0	No Messages	No Messages
87	IPE180	Beam	No Messages	0.002271	PMM	COMB1	0	No Messages	No Messages
107	IPE180	Beam	No Messages	0.002151	PMM	COMB1	1.69583	No Messages	No Messages
168	IPE180	Beam	No Messages	0.002412	PMM	COMB2	1.69583	No Messages	No Messages
169	IPE180	Beam	No Messages	0.002364	PMM	COMB2	0	No Messages	No Messages
170	IPE180	Beam	No Messages	0.028244	PMM	COMB2	1.69583	No Messages	No Messages
171	IPE180	Beam	No Messages	0.245148	PMM	COMB2	1.69583	No Messages	No Messages
172	IPE180	Beam	No Messages	0.246174	PMM	COMB2	0	No Messages	No Messages

1.7 CHEQUEO DE CONDICIONES DE SERVICIO.

1.7-1 Chequeo de Deflexiones.

Tabla 1.8.1.1 Deflexiones máximas.

TABLE 1604.3
DEFLECTION LIMITS[a, b, c, h, i]

CONSTRUCTION	*L* or L_r	*S* or *W*[f]	*D* + *L*[d, g]
Roof members:[e]			
Supporting plaster or stucco ceiling	*l*/360	*l*/360	*l*/240
Supporting nonplaster ceiling	*l*/240	*l*/240	*l*/180
Not supporting ceiling	*l*/180	*l*/180	*l*/120
Floor members	*l*/360	—	*l*/240
Exterior walls:			
With plaster or stucco finishes	—	*l*/360	—
With other brittle finishes	—	*l*/240	—
With flexible finishes	—	*l*/120	—
Interior partitions:[b]			
With plaster or stucco finishes	*l*/360	—	—
With other brittle finishes	*l*/240	—	—
With flexible finishes	*l*/120	—	—
Farm buildings	—	—	*l*/180
Greenhouses	—	—	*l*/120

Fuente: International Building Code 2018.

Al momento de realizar el chequeo por deflexión para un elemento de una longitud igual a 3,85 m, por lo cual, se pudo observar que está fue de 0.0002 mm en el centro de la luz. El presente valor es menor que la deflexión admisible de 21.38 mm correspondiente a L/180.

- Combo envolvente de servicio.

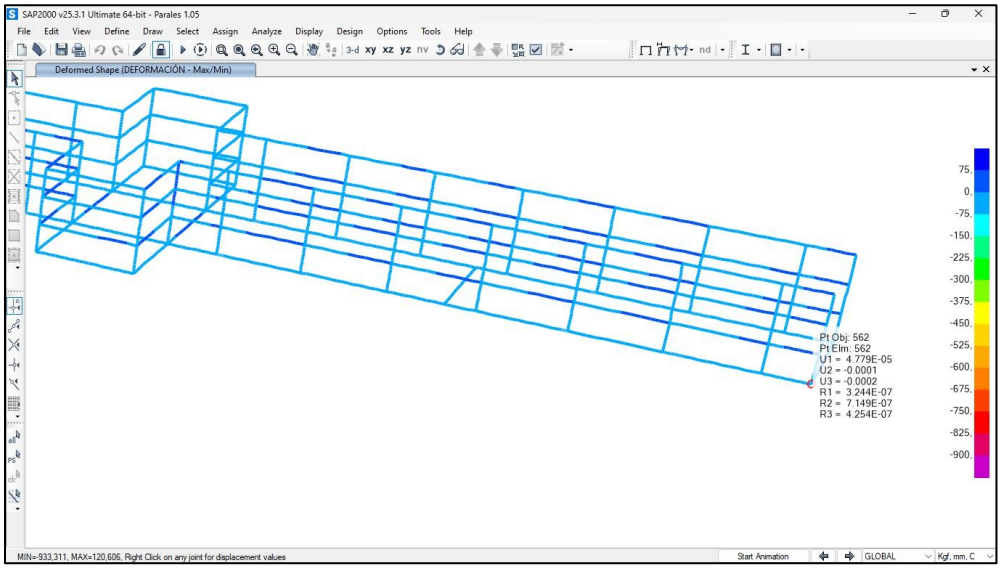


Figura 1.7-1.1 Deflexión de elemento en SAP2000.

Al momento de realizar el chequeo por deflexión para un elemento en voladizo, se pudo observar que está fue de 0.233 mm en el centro de la luz. El presente valor es menor que la deflexión admisible de mm correspondiente a L/180.

- Combo envolvente de servicio.

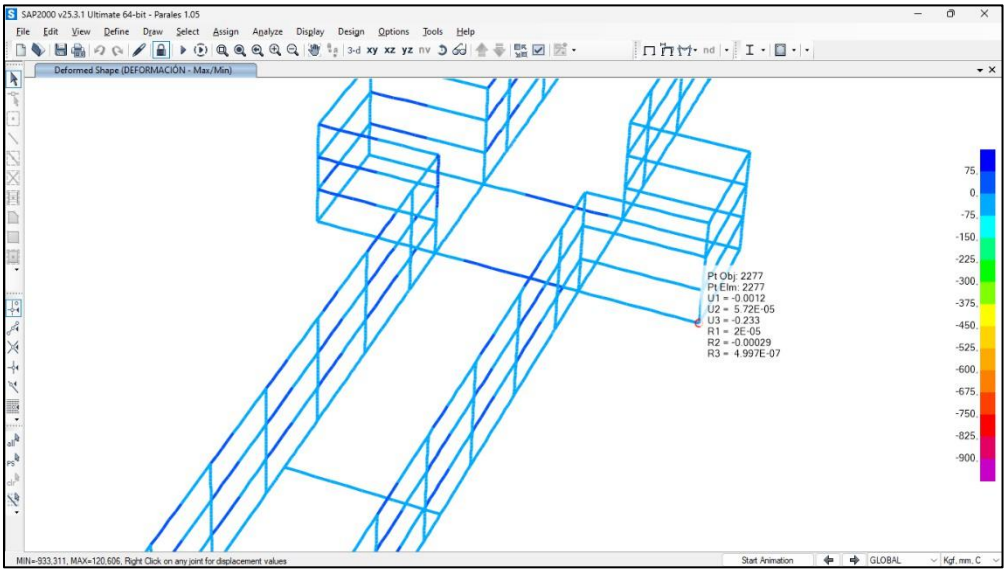


Figura 1.7-1.2 Deflexión de voladizo en SAP2000.

1.7-2 Comprobación Contra el Fuego.

Para las estructuras metálicas recordemos que un elemento metálico sin protección al fuego tiene tan solo 15 minutos (0.25 horas) de resistencia.

Por lo tanto, se deben pintar los elementos estructurales con una pintura ignifuga o intumescente.

Es importante diferenciar la pintura ignífuga de la intumescente. La primera evita la propagación de la llama, mientras que la segunda reacciona cuando se da un aumento de la temperatura en el edificio hinchándose y creando **una gruesa capa de espuma que aísla los elementos que la recubren**, conteniendo el fuego e impidiendo que este dañe la estructura del edificio.

La marca SIKA tiene la línea Sika Unitherm, Pintuco tiene C-Therm 13960.

1.8 DISEÑO DE CONECIÓNES.

Revisar anexo 1.

1.0 ANEXOS

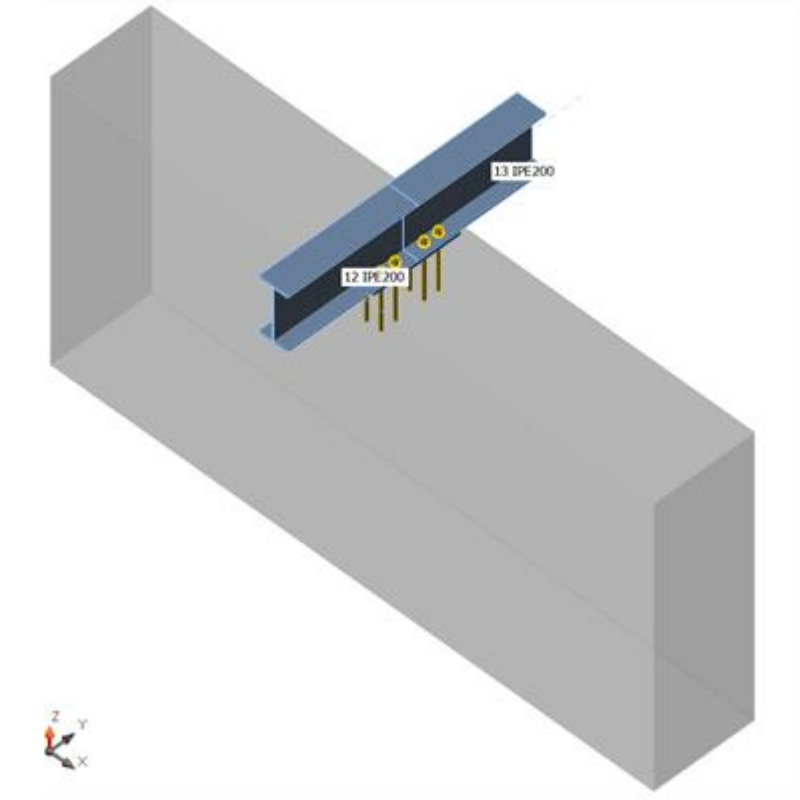
Ítem del proyecto Con 14

Diseño

Nombre	Con 14
Descripción	
Análisis	Tensión, deformación/ Cargas en equilibrio
Normativa de cálculo	AISC - LRFD

Elementos estructurales

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
12 IPE200	1 - IPE200	-90.0	0.0	0.0	0	0	0	Posición
13 IPE200	1 - IPE200	90.0	0.0	0.0	0	0	0	Posición



Secciones

Nombre	Material
1 - IPE200	A572Fy50

Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm^2]
1/2 A193	1/2 A193	13	861.8	127

Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
U01	12 IPE200	0.0	0.0	-5.3	0.0	9.7	0.0
	13 IPE200	0.0	0.0	-6.7	0.0	9.7	0.0
U02	12 IPE200	0.0	0.0	-20.0	0.0	39.8	0.0
	13 IPE200	0.0	0.0	-31.7	0.0	39.8	0.0
U03	12 IPE200	0.0	0.0	-3.4	0.0	6.2	0.0
	13 IPE200	0.0	0.0	-4.3	0.0	6.2	0.0

Bloque de la cimentación

Ítem	Valor	Unidad
CB 1		
Dimensiones	350 x 2100	mm
Profundidad	1000	mm
Anclaje	1/2 A193	
Longitud del anclaje	175	mm
Transferencia de la fuerza cortante	Fricción	
CB 2		
Dimensiones	350 x 2100	mm
Profundidad	1000	mm
Anclaje	1/2 A193	
Longitud del anclaje	175	mm
Transferencia de la fuerza cortante	Fricción	

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	Aceptar
Placas	0.0 < 5%	Aceptar
Anclajes	0.0 < 100%	Aceptar
Soldaduras	0.0 < 100%	Aceptar
Bloque de hormigón	8.8 < 100%	Aceptar
Cortante	0.0 < 100%	Aceptar
Pandeo	No calculado	

Placas

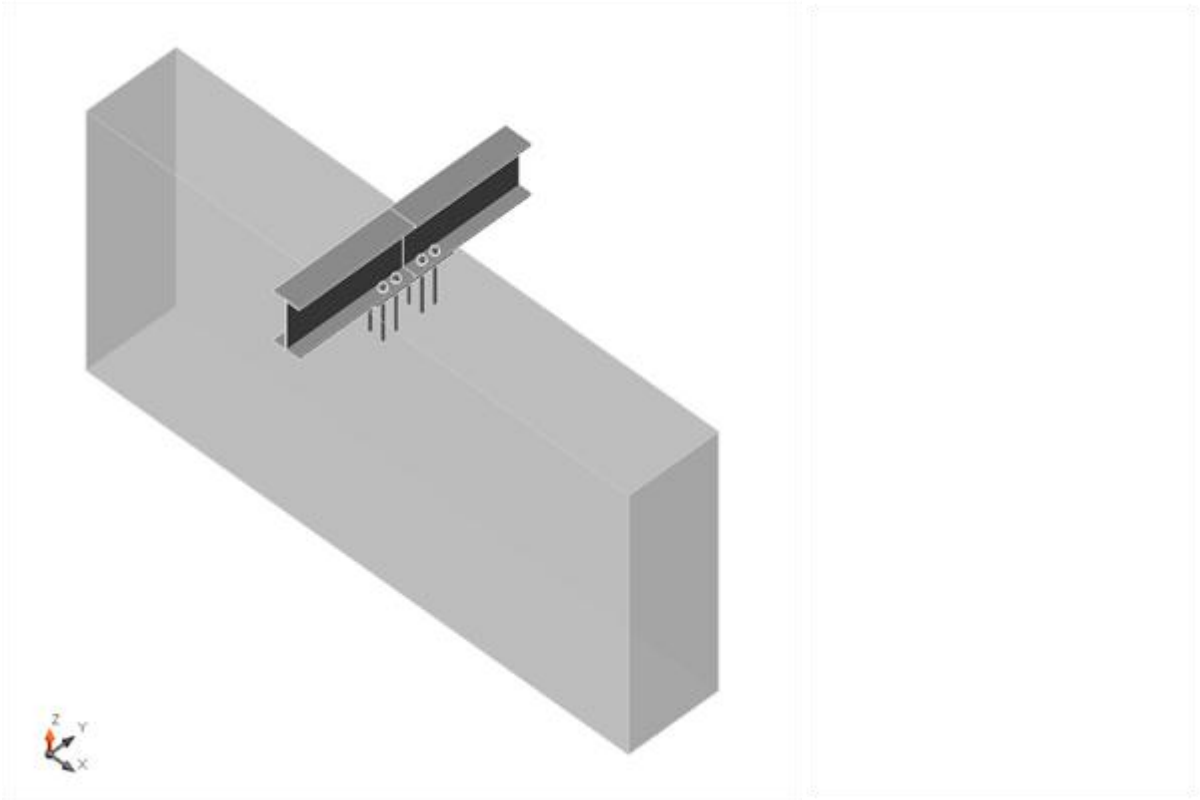
Nombre	Material	F_v [MPa]	Espesor [mm]	Cargas	σ_{Ed} [MPa]	ε_{Pl} [%]	Estado de la verificación
12 IPE200-bfl 1	A572Fy50	345.0	8.5	U02	228.3	0.0	Aceptar
12 IPE200-tfl 1	A572Fy50	345.0	8.5	U02	198.5	0.0	Aceptar
12 IPE200-w 1	A572Fy50	345.0	5.6	U02	166.5	0.0	Aceptar
13 IPE200-bfl 1	A572Fy50	345.0	8.5	U02	221.8	0.0	Aceptar
13 IPE200-tfl 1	A572Fy50	345.0	8.5	U02	196.4	0.0	Aceptar
13 IPE200-w 1	A572Fy50	345.0	5.6	U02	164.3	0.0	Aceptar
SP 1	A572 Gr.50	344.7	12.0	U02	51.0	0.0	Aceptar

Datos de diseño

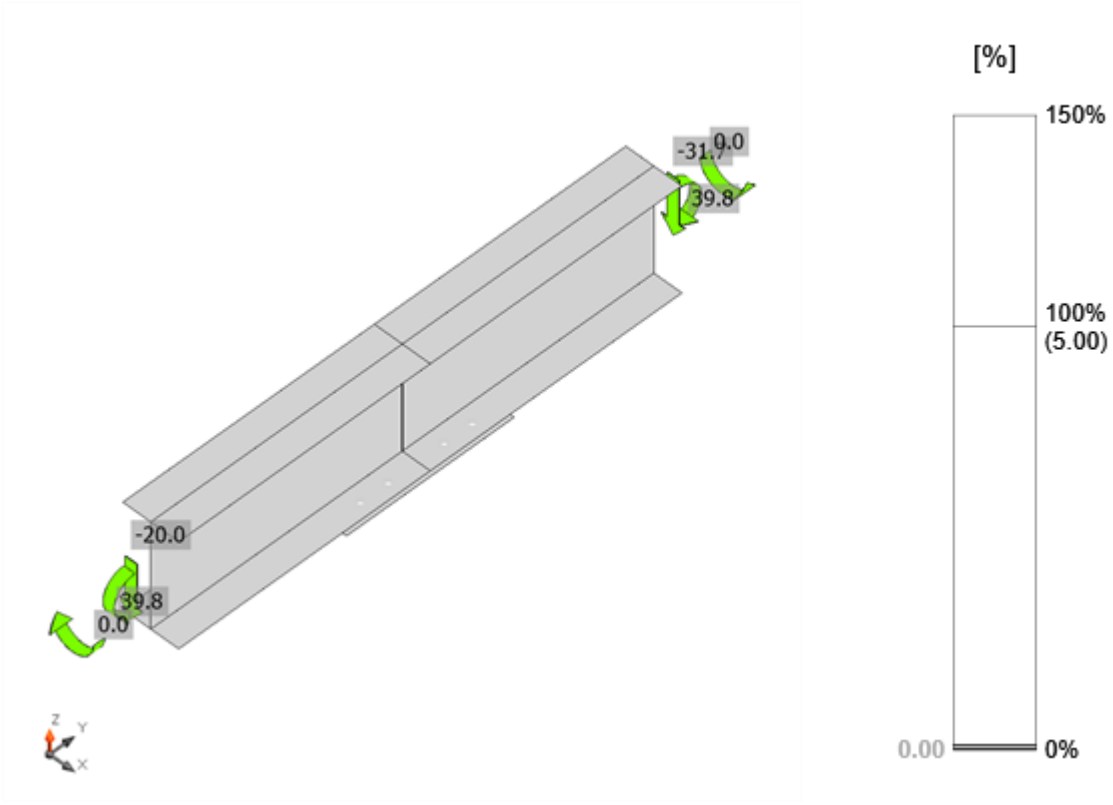
Material	fy [MPa]	ε_{lim} [%]
A572Fy50	345.0	5.0
A572 Gr.50	344.7	5.0

Explicación del símbolo

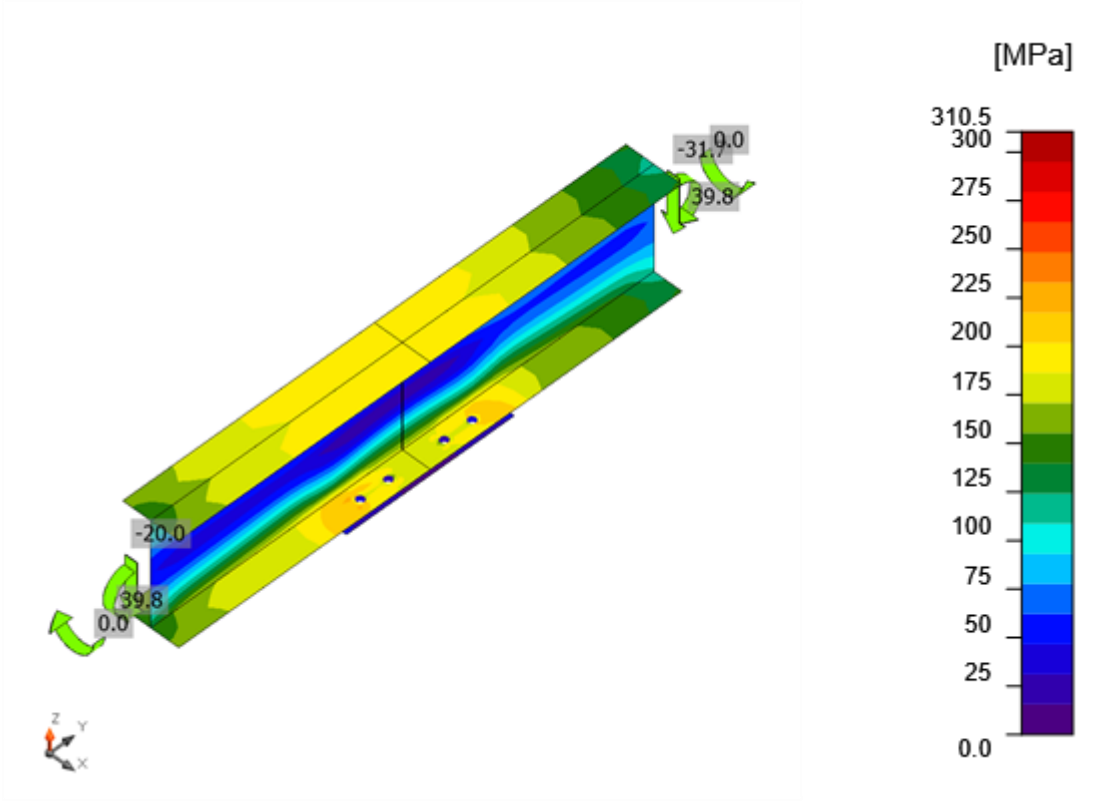
ε_{Pl}	Deformación plástica
σ_{Ed}	Ec. tensión
fy	Límite elástico
ε_{lim}	Límite de la deformación plástica



Verificación general, U02



Verificación de deformación, U02



Tensión equivalente, U02

Anclajes

Forma	Ítem	Cargas	N_f [kN]	ϕV_{cp} [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	A2	U03	0.0	90.7	0.0	0.0	0.0	Aceptar
	A3	U03	0.0	90.7	0.0	0.0	0.0	Aceptar
	A4	U03	0.0	90.7	0.0	0.0	0.0	Aceptar
	A5	U03	0.0	90.7	0.0	0.0	0.0	Aceptar
	A7	U03	0.0	90.7	0.0	0.0	0.0	Aceptar
	A8	U03	0.0	90.7	0.0	0.0	0.0	Aceptar
	A9	U03	0.0	90.7	0.0	0.0	0.0	Aceptar
	A10	U03	0.0	90.7	0.0	0.0	0.0	Aceptar

Datos de diseño

Calidad	ϕN_{sa} [kN]
1/2 A193 - 1	55.1

Explicación del símbolo

N_f	Fuerza de tracción
ϕV_{cp}	Resistencia al desprendimiento del hormigón por cabeceo del anclaje a cortante de acuerdo con – ACI 318-14 – 17.5.3
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
ϕN_{sa}	Resistencia del anclaje en tracción - ACI 318-14 – 17.4.1

Resultado detallado para A2

Resistencia a tracción del anclaje (ACI 318-14 – 17.4.1)

$$\phi N_{sa} = \phi \cdot A_{se,N} \cdot f_{uta} = \quad 55.1 \text{ kN} \quad \geq \quad N_f = \quad 0.0 \text{ kN}$$

Donde:

ϕ = 0.70 – factor de resistencia

$A_{se,N}$ = 92 mm^2 – Área a tracción

f_{uta} = 860.0 MPa – resistencia última especificada para el acero del tornillo

- $f_{uta} = \min(860 \text{ MPa}, 1.9 \cdot f_{ya}, f_u)$, donde:
  - f_{ya} = 723.9 MPa – límite elástico esfecificado del acero del anclaje
  - f_u = 861.8 MPa – resistencia última especificada para el acero del anclaje

Resistencia al arrancamiento en cuña del hormigón (pryout) (ACI 318-14 – 17.5.3)

La verificación se realiza para un grupo de anclajes sobre la placa base común

$$\phi V_{cp} = \phi \cdot k_{cp} \cdot N_{cp} = \quad 90.7 \text{ kN} \quad \geq \quad V_g = \quad 0.0 \text{ kN}$$

Donde:

ϕ = 0.65 – factor de resistencia

– factor de arrancamiento por cortante en cuña del hormigón (pry-out)

k_{cp} = 2.00

N_{cp} = 69.7 kN – resistencia a arrancamiento del cono de hormigón en caso de todos los anclajes en tracción

V_g = 0.0 kN – suma de los cortantes de los anclajes sobre una misma placa base

Interacción tracción-cortante (ACI 318-14 – R17.6)

$U_{tt}^{5/3} + U_{ts}^{5/3}$ = 0.00 ≤ 1.0

Donde:

U_{tt} = 0.00 – máxima ratio entre fuerza de tracción factorizada y resistencia a tracción determinada a partir de todos los modos de fallo relevantes

U_{ts} = 0.00 – máxima ratio entre esfuerzo cortante factorizado y resistencia a cortante determinada a partir de todos los modos de fallo relevantes

Supplementary reinforcement

Reinforcement should be designed according to ACI 318-14 – 17.4.2.9; 17.5.2.9

Supplementary reinforcement should resist force of 0.0 kN in tension and 0.0 kN in shear.

Resultado detallado para A3

Resistencia a tracción del anclaje (ACI 318-14 – 17.4.1)

$\phi N_{sa} = \phi \cdot A_{se,N} \cdot f_{uta}$ = 55.1 kN ≥ N_f = 0.0 kN

Donde:

ϕ = 0.70 – factor de resistencia

$A_{se,N}$ = 92 mm^2 – Área a tracción

f_{uta} = 860.0 MPa – resistencia última espeficifica para el acero del tornillo

f_{ya} =

- $f_{uta} = \min(860\ \text{MPa}, 1.9 \cdot f_{ya}, f_u)$, donde:
  - 723.9 MPa – límite elástico esfecificado del acero del anclaje
  - f_u = 861.8 MPa – resistencia última espeficifica para el acero del anclaje

Resistencia al arrancamiento en cuña del hormigón (pryout) (ACI 318-14 – 17.5.3)

La verificación se realiza para un grupo de anclajes sobre la placa base común

$\phi V_{cp} = \phi \cdot k_{cp} \cdot N_{cp}$ = 90.7 kN ≥ V_g = 0.0 kN

Donde:

ϕ = 0.65 – factor de resistencia

k_{cp} = 2.00 – factor de arrancamiento por cortante en cuña del hormigón (pry-out)

N_{cp} = 69.7 kN – resistencia a arrancamiento del cono de hormigón en caso de todos los anclajes en tracción

V_g = 0.0 kN – suma de los cortantes de los anclajes sobre una misma placa base

Interacción tracción-cortante (ACI 318-14 – R17.6)

$U_{tt}^{5/3} + U_{ts}^{5/3}$ = 0.00 ≤ 1.0

Donde:

U_{tt} = 0.00 – máxima ratio entre fuerza de tracción factorizada y resistencia a tracción determinada a partir de todos los modos de fallo relevantes

U_{ts} = 0.00 – máxima ratio entre esfuerzo cortante factorizado y resistencia a cortante determinada a partir de todos los

modos de fallo relevantes

Supplementary reinforcement

Reinforcement should be designed according to ACI 318-14 – 17.4.2.9; 17.5.2.9

Supplementary reinforcement should resist force of 0.0 kN in tension and 0.0 kN in shear.

Resultado detallado para A4

Resistencia a tracción del anclaje (ACI 318-14 – 17.4.1)

$\phi N_{sa} = \phi \cdot A_{se,N} \cdot f_{uta} =$ 55.1 kN ≥ $N_f =$ 0.0 kN

Donde:

ϕ = 0.70 – factor de resistencia

$A_{se,N}$ = 92 mm^2 – Área a tracción

f_{uta} = 860.0 MPa – resistencia última espeficifica para el acero del tornillo

- $f_{uta} = \min(860\ \text{MPa}, 1.9 \cdot f_{ya}, f_u)$, donde:
  - 723.9 MPa – límite elástico esfecificado del acero del anclaje
  - f_u = 861.8 MPa – resistencia última espeficifica para el acero del anclaje

$f_{ya} =$

Resistencia al arrancamiento en cuña del hormigón (pryout) (ACI 318-14 – 17.5.3)

La verificación se realiza para un grupo de anclajes sobre la placa base común

$\phi V_{cp} = \phi \cdot k_{cp} \cdot N_{cp} =$ 90.7 kN ≥ $V_g =$ 0.0 kN

Donde:

ϕ = 0.65 – factor de resistencia

k_{cp} = 2.00 – factor de arrancamiento por cortante en cuña del hormigón (pry-out)

N_{cp} = 69.7 kN – resistencia a arrancamiento del cono de hormigón en caso de todos los anclajes en tracción

V_g = 0.0 kN – suma de los cortantes de los anclajes sobre una misma placa base

Interacción tracción-cortante (ACI 318-14 – R17.6)

$U_{tt}^{5/3} + U_{ts}^{5/3} =$ 0.00 ≤ 1.0

Donde:

U_{tt} = 0.00 – máxima ratio entre fuerza de tracción factorizada y resistencia a tracción determinada a partir de todos los modos de fallo relevantes

U_{ts} = 0.00 – máxima ratio entre esfuerzo cortante factorizado y resistencia a cortante determinada a partir de todos los modos de fallo relevantes

Supplementary reinforcement

Reinforcement should be designed according to ACI 318-14 – 17.4.2.9; 17.5.2.9

Supplementary reinforcement should resist force of 0.0 kN in tension and 0.0 kN in shear.

Resultado detallado para A5

Resistencia a tracción del anclaje (ACI 318-14 – 17.4.1)

$\phi N_{sa} = \phi \cdot A_{se,N} \cdot f_{uta} =$ 55.1 kN ≥ $N_f =$ 0.0 kN

Donde:

ϕ = 0.70 – factor de resistencia

$A_{se,N}$ = 92 mm^2 – Área a tracción

f_{uta} = 860.0 MPa – resistencia última espeficifica para el acero del tornillo

- $f_{uta} = \min(860\ \text{MPa}, 1.9 \cdot f_{ya}, f_u)$, donde:
  - f_{ya} = 723.9 MPa – límite elástico esfecificado del acero del anclaje
  - f_u = 861.8 MPa – resistencia última espeficifica para el acero del anclaje

Resistencia al arrancamiento en cuña del hormigón (pryout) (ACI 318-14 – 17.5.3)

La verificación se realiza para un grupo de anclajes sobre la placa base común

$\phi V_{cp} = \phi \cdot k_{cp} \cdot N_{cp} =$ 90.7 kN ≥ $V_g =$ 0.0 kN

Donde:

ϕ = 0.65 – factor de resistencia

k_{cp} = 2.00 – factor de arrancamiento por cortante en cuña del hormigón (pry-out)

N_{cp} = 69.7 kN – resistencia a arrancamiento del cono de hormigón en caso de todos los anclajes en tracción

V_g = 0.0 kN – suma de los cortantes de los anclajes sobre una misma placa base

Interacción tracción-cortante (ACI 318-14 – R17.6)

$U_{tt}^{5/3} + U_{ts}^{5/3} =$ 0.00 ≤ 1.0

Donde:

U_{tt} = 0.00 – máxima ratio entre fuerza de tracción factorizada y resistencia a tracción determinada a partir de todos los modos de fallo relevantes

U_{ts} = 0.00 – máxima ratio entre esfuerzo cortante factorizado y resistencia a cortante determinada a partir de todos los modos de fallo relevantes

Supplementary reinforcement

Reinforcement should be designed according to ACI 318-14 – 17.4.2.9; 17.5.2.9

Supplementary reinforcement should resist force of 0.0 kN in tension and 0.0 kN in shear.

Resultado detallado para A7

Resistencia a tracción del anclaje (ACI 318-14 – 17.4.1)

$\phi N_{sa} = \phi \cdot A_{se,N} \cdot f_{uta} =$ 55.1 kN ≥ $N_f =$ 0.0 kN

Donde:

ϕ = 0.70 – factor de resistencia

$A_{se,N}$ = 92 mm^2 – Área a tracción

f_{uta} = 860.0 MPa – resistencia última espeficifica para el acero del tornillo

- $f_{uta} = \min(860\ \text{MPa}, 1.9 \cdot f_{ya}, f_u)$, donde:
  - f_{ya} = 723.9 MPa – límite elástico esfecificado del acero del anclaje
  - f_u = 861.8 MPa – resistencia última espeficifica para el acero del anclaje

Resistencia al arrancamiento en cuña del hormigón (pryout) (ACI 318-14 – 17.5.3)

La verificación se realiza para un grupo de anclajes sobre la placa base común

$\phi V_{cp} = \phi \cdot k_{cp} \cdot N_{cp} =$ 90.7 kN ≥ $V_g =$ 0.0 kN

Donde:

ϕ = 0.65 – factor de resistencia

k_{cp} = 2.00 – factor de arrancamiento por cortante en cuña del hormigón (pry-out)

N_{cp} = 69.7 kN – resistencia a arrancamiento del cono de hormigón en caso de todos los anclajes en tracción

V_g = 0.0 kN – suma de los cortantes de los anclajes sobre una misma placa base

Interacción tracción-cortante (ACI 318-14 – R17.6)

$U_{tt}^{5/3} + U_{ts}^{5/3} =$ 0.00 ≤ 1.0

Donde:

U_{tt} = 0.00 – máxima ratio entre fuerza de tracción factorizada y resistencia a tracción determinada a partir de todos los modos de fallo relevantes

U_{ts} = 0.00 – máxima ratio entre esfuerzo cortante factorizado y resistencia a cortante determinada a partir de todos los modos de fallo relevantes

Supplementary reinforcement

Reinforcement should be designed according to ACI 318-14 – 17.4.2.9; 17.5.2.9

Supplementary reinforcement should resist force of 0.0 kN in tension and 0.0 kN in shear.

Resultado detallado para A8

Resistencia a tracción del anclaje (ACI 318-14 – 17.4.1)

$\phi N_{sa} = \phi \cdot A_{se,N} \cdot f_{uta} =$ 55.1 kN ≥ $N_f =$ 0.0 kN

Donde:

ϕ = 0.70 – factor de resistencia

$A_{se,N}$ = 92 mm^2 – Área a tracción

f_{uta} = 860.0 MPa – resistencia última espeficifica para el acero del tornillo

- $f_{uta} = \min(860\ \text{MPa}, 1.9 \cdot f_{ya}, f_u)$, donde:
  - 723.9 MPa – límite elástico esfecificado del acero del anclaje
  - f_u = 861.8 MPa – resistencia última espeficifica para el acero del anclaje

$f_{ya} =$

Resistencia al arrancamiento en cuña del hormigón (pryout) (ACI 318-14 – 17.5.3)

La verificación se realiza para un grupo de anclajes sobre la placa base común

$\phi V_{cp} = \phi \cdot k_{cp} \cdot N_{cp} =$ 90.7 kN ≥ $V_g =$ 0.0 kN

Donde:

ϕ = 0.65 – factor de resistencia

k_{cp} = 2.00 – factor de arrancamiento por cortante en cuña del hormigón (pry-out)

N_{cp} = 69.7 kN – resistencia a arrancamiento del cono de hormigón en caso de todos los anclajes en tracción

V_g = 0.0 kN – suma de los cortantes de los anclajes sobre una misma placa base

Interacción tracción-cortante (ACI 318-14 – R17.6)

$U_{tt}^{5/3} + U_{ts}^{5/3} =$ 0.00 ≤ 1.0

Donde:

U_{tt} = 0.00 – máxima ratio entre fuerza de tracción factorizada y resistencia a tracción determinada a partir de todos los modos de fallo relevantes

U_{ts} = 0.00 – máxima ratio entre esfuerzo cortante factorizado y resistencia a cortante determinada a partir de todos los modos de fallo relevantes

Supplementary reinforcement

Reinforcement should be designed according to ACI 318-14 – 17.4.2.9; 17.5.2.9

Supplementary reinforcement should resist force of 0.0 kN in tension and 0.0 kN in shear.

Resultado detallado para A9

Resistencia a tracción del anclaje (ACI 318-14 – 17.4.1)

$\phi N_{sa} = \phi \cdot A_{se,N} \cdot f_{uta} =$ 55.1 kN ≥ $N_f =$ 0.0 kN

Donde:

ϕ = 0.70 – factor de resistencia

$A_{se,N}$ = 92 mm^2 – Área a tracción

f_{uta} = 860.0 MPa – resistencia última espeficifica para el acero del tornillo

- $f_{uta} = \min(860\ \text{MPa}, 1.9 \cdot f_{ya}, f_u)$, donde:
  - 723.9 MPa – límite elástico esfecificado del acero del anclaje
  - f_u = 861.8 MPa – resistencia última espeficifica para el acero del anclaje

$f_{ya} =$

Resistencia al arrancamiento en cuña del hormigón (pryout) (ACI 318-14 – 17.5.3)

La verificación se realiza para un grupo de anclajes sobre la placa base común

$\phi V_{cp} = \phi \cdot k_{cp} \cdot N_{cp} =$ 90.7 kN ≥ $V_g =$ 0.0 kN

Donde:

ϕ = 0.65 – factor de resistencia

k_{cp} = 2.00 – factor de arrancamiento por cortante en cuña del hormigón (pry-out)

N_{cp} = 69.7 kN – resistencia a arrancamiento del cono de hormigón en caso de todos los anclajes en tracción

V_g = 0.0 kN – suma de los cortantes de los anclajes sobre una misma placa base

Interacción tracción-cortante (ACI 318-14 – R17.6)

$U_{tt}^{5/3} + U_{ts}^{5/3} =$ 0.00 ≤ 1.0

Donde:

U_{tt} = 0.00 – máxima ratio entre fuerza de tracción factorizada y resistencia a tracción determinada a partir de todos los modos de fallo relevantes

U_{ts} = 0.00 – máxima ratio entre esfuerzo cortante factorizado y resistencia a cortante determinada a partir de todos los modos de fallo relevantes

Supplementary reinforcement

Reinforcement should be designed according to ACI 318-14 – 17.4.2.9; 17.5.2.9

Supplementary reinforcement should resist force of 0.0 kN in tension and 0.0 kN in shear.

Resultado detallado para A10

Resistencia a tracción del anclaje (ACI 318-14 – 17.4.1)

$$\phi N_{sa} = \phi \cdot A_{se,N} \cdot f_{uta} = \quad 55.1 \quad \text{kN} \quad \geq \quad N_f = \quad 0.0 \quad \text{kN}$$

Donde:

ϕ = 0.70 – factor de resistencia

$A_{se,N}$ = 92 mm^2 – Área a tracción

f_{uta} = 860.0 MPa – resistencia última espeficifica para el acero del tornillo

- $f_{uta} = \min(860 \text{ MPa}, 1.9 \cdot f_{ya}, f_u)$, donde:
  - f_{ya} = 723.9 MPa – límite elástico esfecificado del acero del anclaje
  - f_u = 861.8 MPa – resistencia última espeficifica para el acero del anclaje

Resistencia al arrancamiento en cuña del hormigón (pryout) (ACI 318-14 – 17.5.3)

La verificación se realiza para un grupo de anclajes sobre la placa base común

$$\phi V_{cp} = \phi \cdot k_{cp} \cdot N_{cp} = \quad 90.7 \quad \text{kN} \quad \geq \quad V_g = \quad 0.0 \quad \text{kN}$$

Donde:

ϕ = 0.65 – factor de resistencia

k_{cp} = 2.00 – factor de arrancamiento por cortante en cuña del hormigón (pry-out)

N_{cp} = 69.7 kN – resistencia a arrancamiento del cono de hormigón en caso de todos los anclajes en tracción

V_g = 0.0 kN – suma de los cortantes de los anclajes sobre una misma placa base

Interacción tracción-cortante (ACI 318-14 – R17.6)

$$U_{tt}^{5/3} + U_{ts}^{5/3} = \quad 0.00 \quad \leq \quad 1.0$$

Donde:

U_{tt} = 0.00 – máxima ratio entre fuerza de tracción factorizada y resistencia a tracción determinada a partir de todos los modos de fallo relevantes

U_{ts} = 0.00 – máxima ratio entre esfuerzo cortante factorizado y resistencia a cortante determinada a partir de todos los modos de fallo relevantes

Supplementary reinforcement

Reinforcement should be designed according to ACI 318-14 – 17.4.2.9; 17.5.2.9

Supplementary reinforcement should resist force of 0.0 kN in tension and 0.0 kN in shear.

Soldaduras

Ítem	Borde	Xu	T_h [mm]	L_s [mm]	L [mm]	L_c [mm]	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
12 IPE200-bfl 1	13 IPE200-bfl 1	E70xx	-	-	100	-	-	-	-	Aceptar
12 IPE200-tfl 1	13 IPE200-tfl 1	E70xx	-	-	100	-	-	-	-	Aceptar
12 IPE200-w 1	13 IPE200-w 1	E70xx	-	-	192	-	-	-	-	Aceptar

Explicación del símbolo

T_h	Espesor de garganta de soldadura
L_s	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura, AISC 360-10 J2.4
Ut	Utilización

Resultado detallado para 12 IPE200-bfl 1 / 13 IPE200-bfl 1

Las soldaduras a tope no se han comprobado. Su resistencia se asume igual a la del elemento soldado.

Bloque de hormigón

Ítem	Cargas	A_1 [mm2]	A_2 [mm2]	σ [MPa]	Ut [%]	Estado
CB 1	U02	28528	51697	1.8	8.8	Aceptar
CB 2	U02	28528	51697	1.8	8.8	Aceptar

Explicación del símbolo

A_1	Área cargada
A_2	Área de soporte
σ	Tensión media en el hormigón
Ut	Utilización

Resultado detallado para CB 1

Comprobación de la resistencia a compresión del bloque de hormigón (AISC 360-16 Section J8)

$\phi_c f_{p,max}$ = 20.5 MPa ≥ σ = 1.8 MPa

Donde:

$f_{p,max}$ = 31.6 MPa – resistencia de cálculo a aplastamiento del bloque de hormigón:

- $f_{p,max} = 0.85 \cdot f_c' \cdot \sqrt{\frac{A_2}{A_1}} \leq 1.7 \cdot f_c'$, donde:
  - f_c' = 27.6 MPa – resistencia a compresión del hormigón
  - A_1 = 28528 mm^2 – Área de la placa base en contacto con la superficie de hormigón
  - A_2 = 51697 mm^2 – Superfície de apoyo del hormigón

ϕ_c = 0.65 – factor de resistencia para el hormigón

Resultado detallado para CB 2

Comprobación de la resistencia a compresión del bloque de hormigón (AISC 360-16 Section J8)

$\phi_c f_{p,max}$ = 20.5 MPa ≥ σ = 1.8 MPa

Donde:

$f_{p,max}$ = 31.6 MPa – resistencia de cálculo a aplastamiento del bloque de hormigón:

- $f_{p,max} = 0.85 \cdot f_c' \cdot \sqrt{\frac{A_2}{A_1}} \leq 1.7 \cdot f_c'$, donde:
  - f_c' = 27.6 MPa – resistencia a compresión del hormigón
  - A_1 = 28528 mm^2 – Área de la placa base en contacto con la superficie de hormigón
  - A_2 = 51697 mm^2 – Superfície de apoyo del hormigón

ϕ_c = 0.65 – factor de resistencia para el hormigón

Cortante en el plano de contacto

Ítem	Cargas	V [kN]	ϕV$_r$ [kN]	μ [-]	Ut [%]	Estado
SP 1	U01	0.0	3.1	0.40	0.0	Aceptar

Explicación del símbolo

V	Esfuerzo cortante
ϕV$_r$	Resistencia a cortante
μ	Coeficiente de fricción entre la placa de anclaje y el bloque de hormigón
Ut	Utilización

Resultado detallado para SP 1

Comprobación de la placa base a cortante (ACI 349 – B.6.1.4)

$\phi_c V_r = \phi_c \cdot \mu \cdot C$ = 3.1 kN ≥ V = 0.0 kN

Donde:

ϕ_c = 0.65 – factor de resistencia para el hormigón

μ = 0.4 – coeficiente de rozamiento entre la placa base y el hormigón

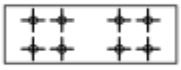
C = 12.1 kN – fuerza de compresión

Pandeo

El análisis de pandeo no se ha calculado.

Listado de material

Operaciones

Nombre	Placas [mm]	Forma	Nr.	Soldaduras [mm]	Longitud [mm]	Tornillos	Nr.
SP 1	P12.0x300.0-100.0 (A572 Gr.50)		1			1/2 A193	8
CUT1				Bisel: a = 8.5 Bisel: a = 5.6	200.0 191.5		

Soldaduras

Tipo	Material	Espesor de garganta [mm]	Tamaño de pierna [mm]	Longitud [mm]
Bisel	E70xx	-	-	200.0
Bisel	E70xx	-	-	191.5

Anclajes

Nombre	Longitud [mm]	Longitud del taladro [mm]	Cuenta
1/2 A193	195	175	8

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	No		
Resistencia del metal base en la cara de fusión de la soldadura	Sí		AISC 360-16 – J2-2
Hormigón fisurado	Sí		ACI 318-14 – Chapter 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Braced system	No		