

PROYECTO

ESTRUCTURA METÁLICA PARA AMPLIACIÓN DEL EDIFICIO DE VESTUARIOS DEL CAMPO MUNICIPAL DE FÚTBOL DE RANILLAS EN ZARAGOZA



PROYECTO DE ESTRUCTURA

PROMOTOR: Ayuntamiento de Zaragoza

SITUACIÓN: C/ Clara Campoamor nº34, 50018 Zaragoza

FECHA: abril de 2020

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1. JUSTIFICACIÓN DEL PROYECTO

El objeto del presente proyecto es la justificación del cálculo para la estructura de elementos metálicos que da soporte a la ampliación del edificio de vestuarios del campo municipal de fútbol de Ranillas en Zaragoza. Dichos elementos son:

Pilares y vigas metálicas de varias secciones, tipo STEEL FRAME de la casa MODUACERO.

2. IDENTIFICACIÓN DE AGENTES INTERVINIENTES

2.1. TITULAR

La titularidad corresponde al AYUNTAMIENTO DE ZARAGOZA.

2.2. TÉCNICO AUTOR DEL PROYECTO

El técnico autor del presente proyecto es el Ingeniero Técnico Industrial del Colegio Oficial de Ingenieros Técnicos Industriales de Aragón, Don Pablo Jesús Pinedo Hernández, con número de colegiado 6156.

3. NORMATIVA APLICABLE

Al presente proyecto le son de aplicación las normas y reglamentaciones que a continuación se enumeran:

- Código Técnico de la Edificación y sus modificaciones.
- Eurocódigo.
- Norma de Construcción Sismorresistente NCSR-02.

4. DESCRIPCIÓN DEL EDIFICIO OBJETO

4.1. EMPLAZAMIENTO

El edificio que se proyecta estará situado en el área del campo de fútbol de Ranillas de Zaragoza. En concreto, en C/ Clara Campoamor nº34, CP 50018, de Zaragoza.



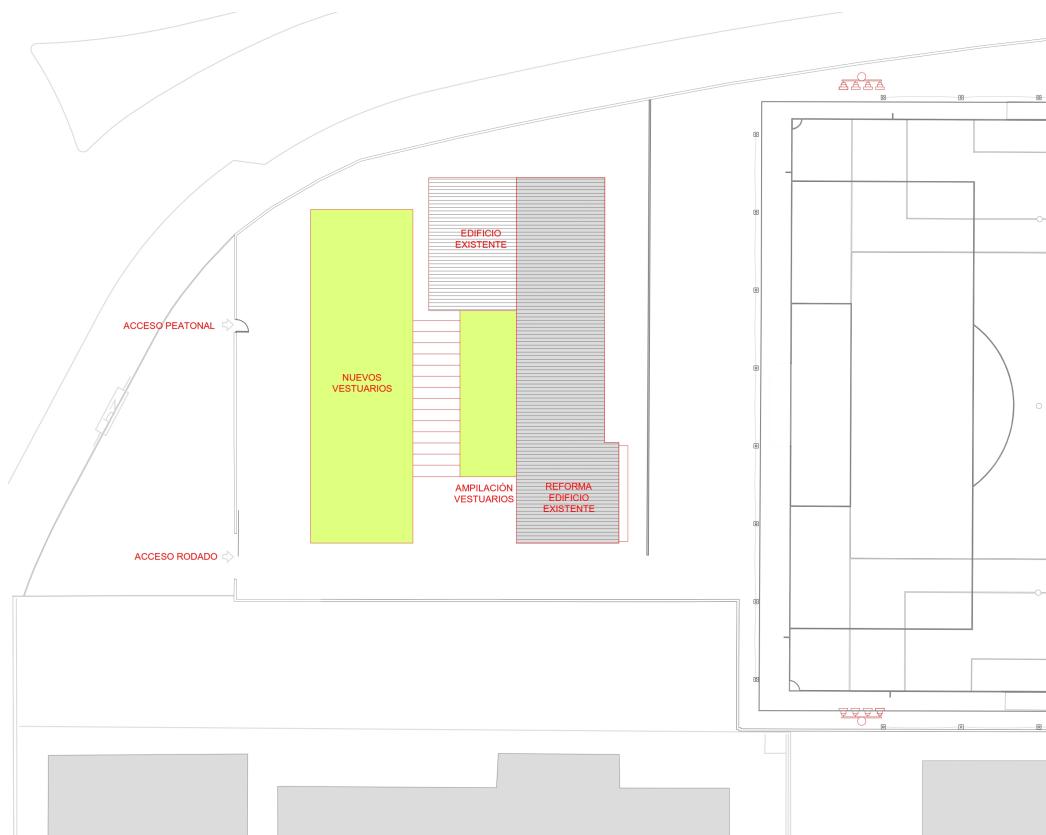
4.2. DESCRIPCIÓN DEL EDIFICIO

Se realiza un edificio anexo al ya existente en el cual se ubicarán 2 vestuarios. Dicho edificio es de una planta sobre rasante y tiene una superficie construida de 75,46 m².

También se realiza un nuevo edificio en el cual se ubicarán 4 vestuarios, 1 vestuario para árbitros, 1 almacén, 1 botiquín y 1 cuarto para instalaciones. Se trata de un edificio de una planta sobre rasante y tiene una superficie construida de 276 m².

Por último, se proyecta una pérgola que cubrirá la zona que unen los dos nuevos edificios que se construirán. Dicha zona tiene una superficie construida de 59,64 m².

Esta es su situación exacta dentro de las instalaciones del campo de fútbol.



Situación de los linderos del edificio de proyecto.

Este: Colegio Público Educación Especial Alborada
Norte: Campo de fútbol
Oeste: Avenida de José Atarés
Sur: Rotonda de Blas Infante

5. ELEMENTOS ESTRUCTURALES

5.1. LOSA DE CIMENTACIÓN

La cimentación de la edificación se resuelve mediante una losa de hormigón armado. Sobre esta losa se fijará la estructura mediante un sistema de anclajes mecánicos, diseñado para absorber los esfuerzos en los apoyos. Estos anclajes estarán sometidos a esfuerzos de tracción y compresión según las distintas combinaciones de carga.

5.2. PANELES ESTRUCTURALES EXTERIORES E INTERIORES

El modelo estructural para una solución completa lo conforman como cerramientos exteriores y divisiones interiores paneles formados por marcos estructurales compuestos de montantes verticales y travesaños horizontales agrupados y arriostrados. En cada hueco se generará un dintel en la parte superior de la ventana o puerta.

Todos los paneles están formados por perfiles en forma de U de acero ligero galvanizado S280GD, calidad Z275.

Tipo de perfiles:

Pilares:	C-100.2
Cordón inferior:	U-100.2
Cordón superior:	U-100.3 y U-100.4

Vigas de cubierta: 2 x C-275.2,5
Arriostramientos: Llanta 70.3 y varilla M-12.

5.3. CUBIERTA PLANA

La cubierta es plana con ligera pendiente del 1,5%. En el caso del edificio anexo, se resuelve con a una sola agua. En el caso del nuevo edificio se resuelve a dos aguas. La cubierta tendrá siguientes elementos:

Cubierta tipo DECK con chapa nervada de 0,7mm. de espesor, aislamiento tipo PIR de 50mm. de espesor y lámina impermeabilizante de TPO de 1,5mm. de espesor.

6. HIPÓTESIS Y COMBINACIONES DE CÁLCULOS

6.1. HIPÓTESIS DE CÁLCULO

Las cargas actuantes se han supuesto uniformemente repartidas. El reparto de cargas se produce cargando los elementos del modelo estructural a cargas distribuidas de presión de viento, y cargas gravitatorias.

Los cálculos de estructura se han realizado con el programa CYPE3d, con el que se obtienen los esfuerzos de cada barra y otros elementos.

El modelo empleado para el cálculo de esfuerzos se ha realizado a base de barras de acero, aplicando convenientemente las cargas gravitatorias y de viento.

Las hipótesis de cálculo adoptadas son las siguientes:

- Cargas actuantes consideradas

- Elementos de acero: 7850 Kg/m³

CARGAS EN CUBIERTA

- Peso propio de cubierta: 1.00 KN/ m²
- Cargas muertas y mantenimiento: 3.00 KN/ m²
- Sobrecarga de nieve: 0.50 KN/ m²

- SOBRECARGA DE VIENTO EN CUBIERTA Y FACHADAS

- Presión dinámica: ZONA B: 0.45 KN/m²
- Grado de aspereza IV

ACCIONES SÍSMICAS

Siguiendo los criterios de aplicación establecidos por la propia NCSE-02, este edificio se clasifica como "de importancia normal", y dado que la aceleración sísmica básica en esta zona es menor de 0.04g, no es necesario tener en cuenta las reglas y prescripciones constructivas indicadas en dicha norma. Por lo anteriormente expuesto, no es de aplicación la NCSE-02.

ACCIONES TÉRMICA Y REOLÓGICA

Dadas las características geométricas de la edificación no se hace necesario considerar los efectos de las acciones térmicas y reológicas según indica el CTE.

CRITERIO DE ACEPTACIÓN EN SERVICIO

Se consideran las siguientes flechas máximas.

Flecha relativa máxima LUZ/300

Flecha activa máxima LUZ/400

Desplazamiento máximo flecha 15mm.

6.2. COMBINACIONES DE CÁLCULO

Se tienen en cuenta las combinaciones de acciones compatibles que actúan simultáneamente según lo dispuesto en la Norma CTE.

Las combinaciones se realizan afectando a las hipótesis del correspondiente coeficiente de ponderación que resulta función del nivel de control de la ejecución.

Se diferencian los estados E.LU (estado límite último) y E.L.S (estado límite de servicio).

7. MATERIALES

7.1. ACERO ESTRUCTURAL

Todos los paneles están formados por perfiles en forma de U de acero ligero galvanizado S280GD, calidad Z275.

Las características del acero son:

Módulo de elasticidad longitudinal: $E = 200.000 \text{ N/mm}^2$

Módulo de elasticidad transversal: $G = 80.000 \text{ N/mm}^2$

Coeficiente de Poisson: $\nu = 0,30$

Coeficiente de dilatación térmica: $0,000012 \text{ m/m}^\circ \text{C}$

Límite elástico: 280 N/mm^2

Resistencia a la tracción: 360 N/mm^2

7.2. PROTECCIÓN FRENTE A LA CORROSIÓN

Los aceros galvanizados en caliente ofrecen una excelente resistencia a la corrosión, así como una muy buena aptitud al conformado.

El tipo de proceso empleado para su recubrimiento permite depositar espesores de zinc que pueden en algún caso alcanzar 900 g/m² (total en ambas caras). En nuestro sistema la protección para la corrosión es Z-275 (275 gr zinc /m²) con un espesor del recubrimiento de 20µm por cara.

7.3. SISTEMAS DE FIJACIÓN

Las uniones se realizan principalmente atornillado, con la interposición, en caso de ser necesario, de cartelas. En algunos casos se puede recurrir a uniones por cordones de soldadura, pero no son aconsejables en perfiles de chapa delgada.

7.4. UNIONES ATORNILLADAS

En obra se emplea un sistema de unión mediante tornillos autorroscantes de un acero de características superiores a las de la chapa.

La ventaja que presentan las uniones atornilladas frente a las soldadas es que el recubrimiento de zinc sólo quedará puntualmente debilitado en el momento de realizar el taladro del perfil para la introducción del tornillo autorroscante, pero una vez atornillado, el hueco quedará completamente ocupado por el vástago.

Se emplean tornillos zincados, calidad 8.8, eliminando la posibilidad de producir corrosión por par galvánico.

7.5. SISTEMA DE ANCLAJE

Para el anclaje de la estructura de entramado a una estructura de hormigón armado se emplean anclajes de expansión mecánica o anclajes de tipo químico en posesión del mercado CE. La disposición, número y dimensiones de estos anclajes se calculan de acuerdo a las reacciones que la estructura transmite al soporte.

8. CONCLUSIONES

Con los datos expuestos en la presente Memoria, anejos y planos que se acompañan, el Técnico que suscribe el presente documento considera que la obra queda suficientemente detallada cumpliéndose así los objetivos previstos en el punto 1 de este proyecto.

Zaragoza, a abril de 2020



Pablo Jesús Pinedo Hernández
Ingeniero Técnico Industrial
Colegiado nº 6156 – COGITAR

PROYECTO

ESTRUCTURA METÁLICA PARA AMPLIACIÓN DEL EDIFICIO DE VESTUARIOS DEL CAMPO MUNICIPAL DE FÚTBOL DE RANILLAS EN ZARAGOZA

ANEXO ESTRUCTURA STEEL FRAME

ANEXO

PROMOTOR: Ayuntamiento de Zaragoza

SITUACIÓN: C/ Clara Campoamor nº34, 50018 Zaragoza

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1.- DATOS DE OBRA

1.1.- Normas consideradas

Acero conformado: Eurocódigos 3 y 4

Aceros laminados y armados: Eurocódigos 3 y 4

Categoría de uso: C. Zonas de acceso al público

1.2.- Estados límite

E.L.U. de rotura. Acero conformado	EC
E.L.U. de rotura. Acero laminado	Nieve: Altitud inferior o igual a 1000 m
Desplazamientos	Acciones características

1.2.1.- Situaciones de proyecto

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

- Con coeficientes de combinación

$$\sum_{j \geq 1} \gamma_{Gj} G_{kj} + \gamma_P P_k + \gamma_{Q1} \Psi_{p1} Q_{k1} + \sum_{i > 1} \gamma_{Qi} \Psi_{ai} Q_{ki}$$

- Sin coeficientes de combinación

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

- Donde:

G_k Acción permanente

P_k Acción de pretensado

Q_k Acción variable

γ_G Coeficiente parcial de seguridad de las acciones permanentes

γ_P Coeficiente parcial de seguridad de la acción de pretensado

$\gamma_{Q,1}$ Coeficiente parcial de seguridad de la acción variable principal

$\gamma_{Q,i}$ Coeficiente parcial de seguridad de las acciones variables de acompañamiento

$\Psi_{p,1}$ Coeficiente de combinación de la acción variable principal

$\Psi_{a,i}$ Coeficiente de combinación de las acciones variables de acompañamiento

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

E.L.U. de rotura. Acero conformado: Eurocódigos 3 y 4

E.L.U. de rotura. Acero laminado: Eurocódigos 3 y 4



Persistente o transitoria				
	Coeficientes parciales de seguridad (γ)		Coeficientes de combinación (ψ)	
	Favorable	Desfavorable	Principal (ψ_p)	Acompañamiento (ψ_s)
Carga permanente (G)	1.000	1.350	-	-
Sobrecarga (Q)	0.000	1.500	1.000	0.700
Viento (Q)	0.000	1.500	1.000	0.600

Desplazamientos

Característica				
	Coeficientes parciales de seguridad (γ)		Coeficientes de combinación (ψ)	
	Favorable	Desfavorable	Principal (ψ_p)	Acompañamiento (ψ_s)
Carga permanente (G)	1.000	1.000	-	-
Sobrecarga (Q)	0.000	1.000	1.000	1.000
Viento (Q)	0.000	1.000	1.000	1.000

1.2.2.- Combinaciones

▪ Nombres de las hipótesis

PP Peso propio

CM 1 CM 1

Q 1 Q 1

V 1 V 1

V 2 V 2

V 3 V 3

V 4 V 4

V p V p

V s V s

▪ E.L.U. de rotura. Acero conformado

▪ E.L.U. de rotura. Acero laminado



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Comb.	PP	CM 1	Q 1	V 1	V 2	V 3	V 4	V p	V s
1	1.000	1.000							
2	1.350	1.000							
3	1.000	1.350							
4	1.350	1.350							
5	1.000	1.000	1.500						
6	1.350	1.000	1.500						
7	1.000	1.350	1.500						
8	1.350	1.350	1.500						
9	1.000	1.000		1.500					
10	1.350	1.000		1.500					
11	1.000	1.350		1.500					
12	1.350	1.350		1.500					
13	1.000	1.000	1.050	1.500					
14	1.350	1.000	1.050	1.500					
15	1.000	1.350	1.050	1.500					
16	1.350	1.350	1.050	1.500					
17	1.000	1.000	1.500	0.900					
18	1.350	1.000	1.500	0.900					
19	1.000	1.350	1.500	0.900					
20	1.350	1.350	1.500	0.900					
21	1.000	1.000			1.500				
22	1.350	1.000			1.500				
23	1.000	1.350			1.500				
24	1.350	1.350			1.500				
25	1.000	1.000	1.050		1.500				
26	1.350	1.000	1.050		1.500				
27	1.000	1.350	1.050		1.500				
28	1.350	1.350	1.050		1.500				
29	1.000	1.000	1.500		0.900				
30	1.350	1.000	1.500		0.900				
31	1.000	1.350	1.500		0.900				
32	1.350	1.350	1.500		0.900				
33	1.000	1.000				1.500			
34	1.350	1.000				1.500			
35	1.000	1.350				1.500			
36	1.350	1.350				1.500			
37	1.000	1.000	1.050			1.500			
38	1.350	1.000	1.050			1.500			
39	1.000	1.350	1.050			1.500			
40	1.350	1.350	1.050			1.500			
41	1.000	1.000	1.500			0.900			
42	1.350	1.000	1.500			0.900			
43	1.000	1.350	1.500			0.900			
44	1.350	1.350	1.500			0.900			
45	1.000	1.000					1.500		
46	1.350	1.000					1.500		
47	1.000	1.350					1.500		



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Comb.	PP	CM 1	Q 1	V 1	V 2	V 3	V 4	V p	V s
48	1.350	1.350					1.500		
49	1.000	1.000	1.050				1.500		
50	1.350	1.000	1.050				1.500		
51	1.000	1.350	1.050				1.500		
52	1.350	1.350	1.050				1.500		
53	1.000	1.000	1.500				0.900		
54	1.350	1.000	1.500				0.900		
55	1.000	1.350	1.500				0.900		
56	1.350	1.350	1.500				0.900		
57	1.000	1.000						1.500	
58	1.350	1.000						1.500	
59	1.000	1.350						1.500	
60	1.350	1.350						1.500	
61	1.000	1.000	1.050					1.500	
62	1.350	1.000	1.050					1.500	
63	1.000	1.350	1.050					1.500	
64	1.350	1.350	1.050					1.500	
65	1.000	1.000	1.500					0.900	
66	1.350	1.000	1.500					0.900	
67	1.000	1.350	1.500					0.900	
68	1.350	1.350	1.500					0.900	
69	1.000	1.000							1.500
70	1.350	1.000							1.500
71	1.000	1.350							1.500
72	1.350	1.350							1.500
73	1.000	1.000	1.050						1.500
74	1.350	1.000	1.050						1.500
75	1.000	1.350	1.050						1.500
76	1.350	1.350	1.050						1.500
77	1.000	1.000	1.500						0.900
78	1.350	1.000	1.500						0.900
79	1.000	1.350	1.500						0.900
80	1.350	1.350	1.500						0.900

**▪ Desplazamientos**

Comb.	PP	CM 1	Q 1	V 1	V 2	V 3	V 4	V p	V s
1	1.000	1.000							
2	1.000	1.000	1.000						
3	1.000	1.000		1.000					
4	1.000	1.000	1.000	1.000					
5	1.000	1.000			1.000				
6	1.000	1.000	1.000		1.000				
7	1.000	1.000				1.000			
8	1.000	1.000	1.000			1.000			
9	1.000	1.000					1.000		
10	1.000	1.000	1.000				1.000		
11	1.000	1.000						1.000	
12	1.000	1.000	1.000					1.000	
13	1.000	1.000							1.000
14	1.000	1.000	1.000						1.000

2.- ESTRUCTURA**2.1.- Geometría****2.1.1.- Nudos**

Referencias:

 $\Delta_x, \Delta_y, \Delta_z$: Desplazamientos prescritos en ejes globales. $\theta_x, \theta_y, \theta_z$: Giros prescritos en ejes globales. D_x, D_y, D_z : Desplazamientos ligados en ejes globales.

Cada grado de libertad se marca con 'X' si está coaccionado y, en caso contrario, con '-'.

Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		Dx
N1	0.000	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N2	0.000	0.000	3.380	-	-	-	-	-	-	Articulado	-
N3	-2.700	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N4	-8.100	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N5	0.000	5.000	0.000	X	X	X	-	-	-	Empotrado	-
N6	0.000	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N7	0.000	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N8	0.000	20.000	0.000	X	X	X	-	-	-	Empotrado	-
N9	0.000	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N10	-8.100	0.000	3.380	-	-	-	-	-	-	Articulado	-
N11	-8.100	5.000	0.000	X	X	X	-	-	-	Empotrado	-
N12	-8.100	5.000	3.380	-	-	-	-	-	-	Genérico	-
N13	-2.700	5.000	0.000	X	X	X	-	-	-	Empotrado	-
N14	0.000	5.000	3.380	-	-	-	-	-	-	Articulado	-
N15	-8.100	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N16	-8.100	10.000	3.380	-	-	-	-	-	-	Genérico	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		Dx
N17	-2.700	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N18	0.000	10.000	3.380	-	-	-	-	-	-	Articulado	-
N19	-8.100	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N20	-8.100	15.000	3.380	-	-	-	-	-	-	Genérico	-
N21	-2.700	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N22	0.000	15.000	3.380	-	-	-	-	-	-	Articulado	-
N23	-8.100	20.000	0.000	X	X	X	-	-	-	Empotrado	-
N24	-8.100	20.000	3.380	-	-	-	-	-	-	Articulado	-
N25	-2.700	20.000	0.000	X	X	X	-	-	-	Empotrado	-
N26	-2.700	20.000	3.380	-	-	-	-	-	-	Articulado	-
N27	0.000	20.000	3.380	-	-	-	-	-	-	Articulado	-
N28	-8.100	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N29	-8.100	25.000	3.380	-	-	-	-	-	-	Articulado	-
N30	-6.750	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N31	-6.750	25.000	3.380	-	-	-	-	-	-	Articulado	-
N32	-5.400	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N33	-5.400	25.000	3.380	-	-	-	-	-	-	Articulado	-
N34	-4.050	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N35	-4.050	25.000	3.380	-	-	-	-	-	-	Articulado	-
N36	-2.700	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N37	-2.700	25.000	3.380	-	-	-	-	-	-	Articulado	-
N38	-1.350	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N39	-1.350	25.000	3.380	-	-	-	-	-	-	Articulado	-
N40	0.000	25.000	3.380	-	-	-	-	-	-	Articulado	-
N41	-8.700	0.000	3.380	-	-	-	-	-	-	Articulado	1
N42	-8.700	25.000	3.380	-	-	-	-	-	-	Articulado	1
N43	0.600	25.000	3.380	-	-	-	-	-	-	Articulado	-
N44	0.600	0.000	3.380	-	-	-	-	-	-	Articulado	2
N45	-8.700	10.000	3.380	-	-	-	-	-	-	Articulado	1
N46	0.600	10.000	3.380	-	-	-	-	-	-	Articulado	2
N47	-8.700	15.000	3.380	-	-	-	-	-	-	Articulado	1
N48	0.600	15.000	3.380	-	-	-	-	-	-	Articulado	2
N49	-8.700	20.000	3.380	-	-	-	-	-	-	Articulado	1
N50	0.600	20.000	3.380	-	-	-	-	-	-	Articulado	2
N51	0.600	5.000	3.380	-	-	-	-	-	-	Articulado	2
N52	-8.700	5.000	3.380	-	-	-	-	-	-	Articulado	1
N53	0.000	23.250	0.000	X	X	X	-	-	-	Empotrado	-
N54	0.000	21.750	0.000	X	X	X	-	-	-	Empotrado	-
N55	0.000	23.250	3.380	-	-	-	-	-	-	Articulado	-
N56	0.000	21.750	3.380	-	-	-	-	-	-	Articulado	2
N57	0.000	18.250	0.000	X	X	X	-	-	-	Empotrado	-
N58	0.000	16.750	0.000	X	X	X	-	-	-	Empotrado	-
N59	0.000	18.250	3.380	-	-	-	-	-	-	Articulado	2
N60	0.000	16.750	3.380	-	-	-	-	-	-	Articulado	2
N61	0.000	13.250	0.000	X	X	X	-	-	-	Empotrado	-



Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N62	0.000	11.750	0.000	X	X	X	-	-	-	Empotrado	-
N63	0.000	13.250	3.380	-	-	-	-	-	-	Articulado	2
N64	0.000	11.750	3.380	-	-	-	-	-	-	Articulado	2
N65	0.000	8.250	0.000	X	X	X	-	-	-	Empotrado	-
N66	0.000	6.750	0.000	X	X	X	-	-	-	Empotrado	-
N67	0.000	8.250	3.380	-	-	-	-	-	-	Articulado	2
N68	0.000	6.750	3.380	-	-	-	-	-	-	Articulado	2
N69	0.000	3.250	0.000	X	X	X	-	-	-	Empotrado	-
N70	0.000	1.750	0.000	X	X	X	-	-	-	Empotrado	-
N71	0.000	3.250	3.380	-	-	-	-	-	-	Articulado	2
N72	0.000	1.750	3.380	-	-	-	-	-	-	Articulado	2
N73	-8.100	23.250	0.000	X	X	X	-	-	-	Empotrado	-
N74	-8.100	21.750	0.000	X	X	X	-	-	-	Empotrado	-
N75	-8.100	23.250	2.500	-	-	-	-	-	-	Articulado	-
N76	-8.100	21.750	2.500	-	-	-	-	-	-	Articulado	-
N77	-8.100	23.250	3.380	-	-	-	-	-	-	Articulado	1
N78	-8.100	21.750	3.380	-	-	-	-	-	-	Articulado	1
N79	-8.100	18.250	0.000	X	X	X	-	-	-	Empotrado	-
N80	-8.100	16.750	0.000	X	X	X	-	-	-	Empotrado	-
N81	-8.100	18.250	2.500	-	-	-	-	-	-	Articulado	-
N82	-8.100	16.750	2.500	-	-	-	-	-	-	Articulado	-
N83	-8.100	18.250	3.380	-	-	-	-	-	-	Articulado	1
N84	-8.100	16.750	3.380	-	-	-	-	-	-	Articulado	1
N85	-8.100	13.250	0.000	X	X	X	-	-	-	Empotrado	-
N86	-8.100	11.750	0.000	X	X	X	-	-	-	Empotrado	-
N87	-8.100	13.250	2.500	-	-	-	-	-	-	Articulado	-
N88	-8.100	11.750	2.500	-	-	-	-	-	-	Articulado	-
N89	-8.100	13.250	3.380	-	-	-	-	-	-	Genérico	1
N90	-8.100	11.750	3.380	-	-	-	-	-	-	Genérico	1
N91	-8.100	8.250	0.000	X	X	X	-	-	-	Empotrado	-
N92	-8.100	6.750	0.000	X	X	X	-	-	-	Empotrado	-
N93	-8.100	8.250	2.500	-	-	-	-	-	-	Articulado	-
N94	-8.100	6.750	2.500	-	-	-	-	-	-	Articulado	-
N95	-8.100	8.250	3.380	-	-	-	-	-	-	Genérico	1
N96	-8.100	6.750	3.380	-	-	-	-	-	-	Genérico	1
N97	-8.100	3.250	0.000	X	X	X	-	-	-	Empotrado	-
N98	-8.100	1.750	0.000	X	X	X	-	-	-	Empotrado	-
N99	-8.100	3.250	2.500	-	-	-	-	-	-	Articulado	-
N100	-8.100	1.750	2.500	-	-	-	-	-	-	Articulado	-
N101	-8.100	3.250	3.380	-	-	-	-	-	-	Genérico	1
N102	-8.100	1.750	3.380	-	-	-	-	-	-	Articulado	1
N103	-2.700	24.375	3.380	-	-	-	-	-	-	Articulado	-
N104	-2.700	23.750	3.380	-	-	-	-	-	-	Articulado	-
N105	-2.700	23.125	3.380	-	-	-	-	-	-	Articulado	-
N106	-2.700	22.500	3.380	-	-	-	-	-	-	Articulado	-



Listados

VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N107	-2.700	21.875	3.380	-	-	-	-	-	-	Articulado	-
N108	-2.700	21.250	3.380	-	-	-	-	-	-	Articulado	-
N109	-2.700	20.625	3.380	-	-	-	-	-	-	Articulado	-
N110	-2.700	15.000	3.380	-	-	-	-	-	-	Articulado	-
N111	-2.700	10.000	3.380	-	-	-	-	-	-	Articulado	-
N112	-2.700	5.000	3.380	-	-	-	-	-	-	Articulado	-
N113	-2.700	0.000	3.380	-	-	-	-	-	-	Articulado	-
N114	-1.350	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N115	-1.350	0.000	3.380	-	-	-	-	-	-	Articulado	-
N116	-1.350	5.000	0.000	X	X	X	-	-	-	Empotrado	-
N117	-1.350	5.000	3.380	-	-	-	-	-	-	Articulado	-
N118	-1.350	10.000	3.380	-	-	-	-	-	-	Articulado	-
N119	-1.350	20.000	3.380	-	-	-	-	-	-	Articulado	-
N120	-1.350	20.625	3.380	-	-	-	-	-	-	Articulado	-
N121	-1.350	21.250	3.380	-	-	-	-	-	-	Articulado	-
N122	-1.350	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N123	-1.350	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N124	-1.350	15.000	3.380	-	-	-	-	-	-	Articulado	-
N125	-1.350	20.000	0.000	X	X	X	-	-	-	Empotrado	-
N126	-1.350	21.875	3.380	-	-	-	-	-	-	Articulado	-
N127	-1.350	22.500	3.380	-	-	-	-	-	-	Articulado	-
N128	-1.350	23.125	3.380	-	-	-	-	-	-	Articulado	-
N129	-1.350	23.750	3.380	-	-	-	-	-	-	Articulado	-
N130	-1.350	24.375	3.380	-	-	-	-	-	-	Articulado	-
N131	-4.050	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N132	-4.050	0.000	3.380	-	-	-	-	-	-	Articulado	-
N133	-4.050	5.000	0.000	X	X	X	-	-	-	Empotrado	-
N134	-4.050	5.000	3.380	-	-	-	-	-	-	Articulado	-
N135	-4.050	10.000	3.380	-	-	-	-	-	-	Articulado	-
N136	-4.050	20.000	3.380	-	-	-	-	-	-	Articulado	-
N137	-4.050	20.625	3.380	-	-	-	-	-	-	Articulado	-
N138	-4.050	21.250	3.380	-	-	-	-	-	-	Articulado	-
N139	-4.050	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N140	-4.050	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N141	-4.050	15.000	3.380	-	-	-	-	-	-	Articulado	-
N142	-4.050	20.000	0.000	X	X	X	-	-	-	Empotrado	-
N143	-4.050	21.875	3.380	-	-	-	-	-	-	Articulado	-
N144	-4.050	22.500	3.380	-	-	-	-	-	-	Articulado	-
N145	-4.050	23.125	3.380	-	-	-	-	-	-	Articulado	-
N146	-4.050	23.750	3.380	-	-	-	-	-	-	Articulado	-
N147	-4.050	24.375	3.380	-	-	-	-	-	-	Articulado	-
N148	-5.400	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N149	-5.400	0.000	3.380	-	-	-	-	-	-	Articulado	-
N150	-5.400	5.000	0.000	X	X	X	-	-	-	Empotrado	-
N151	-5.400	5.000	3.380	-	-	-	-	-	-	Articulado	-



Listados

VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N152	-5.400	10.000	3.380	-	-	-	-	-	-	Articulado	-
N153	-5.400	20.000	3.380	-	-	-	-	-	-	Articulado	-
N154	-5.400	20.625	3.380	-	-	-	-	-	-	Articulado	-
N155	-5.400	21.250	3.380	-	-	-	-	-	-	Articulado	-
N156	-5.400	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N157	-5.400	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N158	-5.400	15.000	3.380	-	-	-	-	-	-	Articulado	-
N159	-5.400	20.000	0.000	X	X	X	-	-	-	Empotrado	-
N160	-5.400	21.875	3.380	-	-	-	-	-	-	Articulado	-
N161	-5.400	22.500	3.380	-	-	-	-	-	-	Articulado	-
N162	-5.400	23.125	3.380	-	-	-	-	-	-	Articulado	-
N163	-5.400	23.750	3.380	-	-	-	-	-	-	Articulado	-
N164	-5.400	24.375	3.380	-	-	-	-	-	-	Articulado	-
N165	-6.750	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N166	-6.750	0.000	3.380	-	-	-	-	-	-	Articulado	-
N167	-6.750	5.000	0.000	X	X	X	-	-	-	Empotrado	-
N168	-6.750	5.000	3.380	-	-	-	-	-	-	Articulado	-
N169	-6.750	10.000	3.380	-	-	-	-	-	-	Articulado	-
N170	-6.750	20.000	3.380	-	-	-	-	-	-	Articulado	-
N171	-6.750	20.625	3.380	-	-	-	-	-	-	Articulado	-
N172	-6.750	21.250	3.380	-	-	-	-	-	-	Articulado	-
N173	-6.750	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N174	-6.750	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N175	-6.750	15.000	3.380	-	-	-	-	-	-	Articulado	-
N176	-6.750	20.000	0.000	X	X	X	-	-	-	Empotrado	-
N177	-6.750	21.875	3.380	-	-	-	-	-	-	Articulado	-
N178	-6.750	22.500	3.380	-	-	-	-	-	-	Articulado	-
N179	-6.750	23.125	3.380	-	-	-	-	-	-	Articulado	-
N180	-6.750	23.750	3.380	-	-	-	-	-	-	Articulado	-
N181	-6.750	24.375	3.380	-	-	-	-	-	-	Articulado	-
N182	0.000	25.000	1.800	-	-	-	-	-	-	Articulado	-
N183	-8.100	25.000	1.800	-	-	-	-	-	-	Articulado	-
N184	-1.350	25.000	1.800	-	-	-	-	-	-	Articulado	-
N185	0.000	23.250	1.800	-	-	-	-	-	-	Articulado	-
N186	-8.100	23.250	1.800	-	-	-	-	-	-	Articulado	-
N187	-8.100	1.750	1.800	-	-	-	-	-	-	Articulado	-
N188	-8.100	0.000	1.800	-	-	-	-	-	-	Articulado	-
N189	0.000	1.750	1.800	-	-	-	-	-	-	Articulado	-
N190	0.000	0.000	1.800	-	-	-	-	-	-	Articulado	-
N191	0.000	11.750	1.800	-	-	-	-	-	-	Articulado	-
N192	0.000	10.000	1.800	-	-	-	-	-	-	Articulado	-
N193	-8.100	11.750	1.800	-	-	-	-	-	-	Articulado	-
N194	-8.100	10.000	1.800	-	-	-	-	-	-	Articulado	-
N195	-6.750	25.000	1.800	-	-	-	-	-	-	Articulado	-
N196	0.000	20.000	1.800	-	-	-	-	-	-	Articulado	-



Listados

VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N197	-1.350	20.000	1.800	-	-	-	-	-	-	Articulado	-
N198	-8.100	20.000	1.800	-	-	-	-	-	-	Articulado	-
N199	-6.750	20.000	1.800	-	-	-	-	-	-	Articulado	-
N200	0.000	15.000	1.800	-	-	-	-	-	-	Articulado	-
N201	-1.350	15.000	1.800	-	-	-	-	-	-	Articulado	-
N202	-8.100	15.000	1.800	-	-	-	-	-	-	Articulado	-
N203	-6.750	15.000	1.800	-	-	-	-	-	-	Articulado	-
N204	-1.350	10.000	1.800	-	-	-	-	-	-	Articulado	-
N205	-6.750	10.000	1.800	-	-	-	-	-	-	Articulado	-
N206	0.000	5.000	1.800	-	-	-	-	-	-	Articulado	-
N207	-1.350	5.000	1.800	-	-	-	-	-	-	Articulado	-
N208	-8.100	5.000	1.800	-	-	-	-	-	-	Articulado	-
N209	-6.750	5.000	1.800	-	-	-	-	-	-	Articulado	-
N210	-1.350	0.000	1.800	-	-	-	-	-	-	Articulado	-
N211	-6.750	0.000	1.800	-	-	-	-	-	-	Articulado	-
N212	-5.400	25.000	1.800	-	-	-	-	-	-	Articulado	-
N213	-4.050	25.000	1.800	-	-	-	-	-	-	Articulado	-
N214	-2.700	25.000	1.800	-	-	-	-	-	-	Articulado	-
N215	-7.425	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N216	-7.425	0.000	3.380	-	-	-	-	-	-	Articulado	-
N217	-6.075	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N218	-6.075	0.000	3.380	-	-	-	-	-	-	Articulado	-
N219	-4.725	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N220	-4.725	0.000	3.380	-	-	-	-	-	-	Articulado	-
N221	-3.375	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N222	-3.375	0.000	3.380	-	-	-	-	-	-	Articulado	-
N223	-2.025	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N224	-2.025	0.000	3.380	-	-	-	-	-	-	Articulado	-
N225	-2.025	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N226	-2.025	25.000	3.380	-	-	-	-	-	-	Articulado	-
N227	-3.375	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N228	-3.375	25.000	3.380	-	-	-	-	-	-	Articulado	-
N229	-4.725	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N230	-4.725	25.000	3.380	-	-	-	-	-	-	Articulado	-
N231	-6.075	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N232	-6.075	25.000	3.380	-	-	-	-	-	-	Articulado	-
N233	-7.425	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N234	-7.425	25.000	3.380	-	-	-	-	-	-	Articulado	-
N235	-0.675	25.000	0.000	X	X	X	-	-	-	Empotrado	-
N236	-0.675	25.000	3.380	-	-	-	-	-	-	Articulado	-
N237	-0.675	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N238	-0.675	0.000	3.380	-	-	-	-	-	-	Articulado	-
N239	-1.350	5.000	3.100	-	-	-	-	-	-	Articulado	-
N240	-2.700	15.625	3.380	-	-	-	-	-	-	Articulado	-
N241	-2.700	16.250	3.380	-	-	-	-	-	-	Articulado	-



Listados

VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N242	-2.700	16.875	3.380	-	-	-	-	-	-	Articulado	-
N243	-2.700	17.500	3.380	-	-	-	-	-	-	Articulado	-
N244	-2.700	18.125	3.380	-	-	-	-	-	-	Articulado	-
N245	-2.700	18.750	3.380	-	-	-	-	-	-	Articulado	-
N246	-2.700	19.375	3.380	-	-	-	-	-	-	Articulado	-
N247	-1.350	15.625	3.380	-	-	-	-	-	-	Articulado	-
N248	-1.350	16.250	3.380	-	-	-	-	-	-	Articulado	-
N249	-1.350	16.875	3.380	-	-	-	-	-	-	Articulado	-
N250	-1.350	17.500	3.380	-	-	-	-	-	-	Articulado	-
N251	-1.350	18.125	3.380	-	-	-	-	-	-	Articulado	-
N252	-1.350	18.750	3.380	-	-	-	-	-	-	Articulado	-
N253	-1.350	19.375	3.380	-	-	-	-	-	-	Articulado	-
N254	-4.050	15.625	3.380	-	-	-	-	-	-	Articulado	-
N255	-4.050	16.250	3.380	-	-	-	-	-	-	Articulado	-
N256	-4.050	16.875	3.380	-	-	-	-	-	-	Articulado	-
N257	-4.050	17.500	3.380	-	-	-	-	-	-	Articulado	-
N258	-4.050	18.125	3.380	-	-	-	-	-	-	Articulado	-
N259	-4.050	18.750	3.380	-	-	-	-	-	-	Articulado	-
N260	-4.050	19.375	3.380	-	-	-	-	-	-	Articulado	-
N261	-5.400	15.625	3.380	-	-	-	-	-	-	Articulado	-
N262	-5.400	16.250	3.380	-	-	-	-	-	-	Articulado	-
N263	-5.400	16.875	3.380	-	-	-	-	-	-	Articulado	-
N264	-5.400	17.500	3.380	-	-	-	-	-	-	Articulado	-
N265	-5.400	18.125	3.380	-	-	-	-	-	-	Articulado	-
N266	-5.400	18.750	3.380	-	-	-	-	-	-	Articulado	-
N267	-5.400	19.375	3.380	-	-	-	-	-	-	Articulado	-
N268	-6.750	15.625	3.380	-	-	-	-	-	-	Articulado	-
N269	-6.750	16.250	3.380	-	-	-	-	-	-	Articulado	-
N270	-6.750	16.875	3.380	-	-	-	-	-	-	Articulado	-
N271	-6.750	17.500	3.380	-	-	-	-	-	-	Articulado	-
N272	-6.750	18.125	3.380	-	-	-	-	-	-	Articulado	-
N273	-6.750	18.750	3.380	-	-	-	-	-	-	Articulado	-
N274	-6.750	19.375	3.380	-	-	-	-	-	-	Articulado	-
N275	-2.700	10.625	3.380	-	-	-	-	-	-	Articulado	-
N276	-2.700	11.250	3.380	-	-	-	-	-	-	Articulado	-
N277	-2.700	11.875	3.380	-	-	-	-	-	-	Articulado	-
N278	-2.700	12.500	3.380	-	-	-	-	-	-	Articulado	-
N279	-2.700	13.125	3.380	-	-	-	-	-	-	Articulado	-
N280	-2.700	13.750	3.380	-	-	-	-	-	-	Articulado	-
N281	-2.700	14.375	3.380	-	-	-	-	-	-	Articulado	-
N282	-1.350	10.625	3.380	-	-	-	-	-	-	Articulado	-
N283	-1.350	11.250	3.380	-	-	-	-	-	-	Articulado	-
N284	-1.350	11.875	3.380	-	-	-	-	-	-	Articulado	-
N285	-1.350	12.500	3.380	-	-	-	-	-	-	Articulado	-
N286	-1.350	13.125	3.380	-	-	-	-	-	-	Articulado	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N287	-1.350	13.750	3.380	-	-	-	-	-	-	Articulado	-
N288	-1.350	14.375	3.380	-	-	-	-	-	-	Articulado	-
N289	-4.050	10.625	3.380	-	-	-	-	-	-	Articulado	-
N290	-4.050	11.250	3.380	-	-	-	-	-	-	Articulado	-
N291	-4.050	11.875	3.380	-	-	-	-	-	-	Articulado	-
N292	-4.050	12.500	3.380	-	-	-	-	-	-	Articulado	-
N293	-4.050	13.125	3.380	-	-	-	-	-	-	Articulado	-
N294	-4.050	13.750	3.380	-	-	-	-	-	-	Articulado	-
N295	-4.050	14.375	3.380	-	-	-	-	-	-	Articulado	-
N296	-5.400	10.625	3.380	-	-	-	-	-	-	Articulado	-
N297	-5.400	11.250	3.380	-	-	-	-	-	-	Articulado	-
N298	-5.400	11.875	3.380	-	-	-	-	-	-	Articulado	-
N299	-5.400	12.500	3.380	-	-	-	-	-	-	Articulado	-
N300	-5.400	13.125	3.380	-	-	-	-	-	-	Articulado	-
N301	-5.400	13.750	3.380	-	-	-	-	-	-	Articulado	-
N302	-5.400	14.375	3.380	-	-	-	-	-	-	Articulado	-
N303	-6.750	10.625	3.380	-	-	-	-	-	-	Articulado	-
N304	-6.750	11.250	3.380	-	-	-	-	-	-	Articulado	-
N305	-6.750	11.875	3.380	-	-	-	-	-	-	Articulado	-
N306	-6.750	12.500	3.380	-	-	-	-	-	-	Articulado	-
N307	-6.750	13.125	3.380	-	-	-	-	-	-	Articulado	-
N308	-6.750	13.750	3.380	-	-	-	-	-	-	Articulado	-
N309	-6.750	14.375	3.380	-	-	-	-	-	-	Articulado	-
N310	-2.700	5.625	3.380	-	-	-	-	-	-	Articulado	-
N311	-2.700	6.250	3.380	-	-	-	-	-	-	Articulado	-
N312	-2.700	6.875	3.380	-	-	-	-	-	-	Articulado	-
N313	-2.700	7.500	3.380	-	-	-	-	-	-	Articulado	-
N314	-2.700	8.125	3.380	-	-	-	-	-	-	Articulado	-
N315	-2.700	8.750	3.380	-	-	-	-	-	-	Articulado	-
N316	-2.700	9.375	3.380	-	-	-	-	-	-	Articulado	-
N317	-1.350	5.625	3.380	-	-	-	-	-	-	Articulado	-
N318	-1.350	6.250	3.380	-	-	-	-	-	-	Articulado	-
N319	-1.350	6.875	3.380	-	-	-	-	-	-	Articulado	-
N320	-1.350	7.500	3.380	-	-	-	-	-	-	Articulado	-
N321	-1.350	8.125	3.380	-	-	-	-	-	-	Articulado	-
N322	-1.350	8.750	3.380	-	-	-	-	-	-	Articulado	-
N323	-1.350	9.375	3.380	-	-	-	-	-	-	Articulado	-
N324	-4.050	5.625	3.380	-	-	-	-	-	-	Articulado	-
N325	-4.050	6.250	3.380	-	-	-	-	-	-	Articulado	-
N326	-4.050	6.875	3.380	-	-	-	-	-	-	Articulado	-
N327	-4.050	7.500	3.380	-	-	-	-	-	-	Articulado	-
N328	-4.050	8.125	3.380	-	-	-	-	-	-	Articulado	-
N329	-4.050	8.750	3.380	-	-	-	-	-	-	Articulado	-
N330	-4.050	9.375	3.380	-	-	-	-	-	-	Articulado	-
N331	-5.400	5.625	3.380	-	-	-	-	-	-	Articulado	-



Listados

VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N332	-5.400	6.250	3.380	-	-	-	-	-	-	Articulado	-
N333	-5.400	6.875	3.380	-	-	-	-	-	-	Articulado	-
N334	-5.400	7.500	3.380	-	-	-	-	-	-	Articulado	-
N335	-5.400	8.125	3.380	-	-	-	-	-	-	Articulado	-
N336	-5.400	8.750	3.380	-	-	-	-	-	-	Articulado	-
N337	-5.400	9.375	3.380	-	-	-	-	-	-	Articulado	-
N338	-6.750	5.625	3.380	-	-	-	-	-	-	Articulado	-
N339	-6.750	6.250	3.380	-	-	-	-	-	-	Articulado	-
N340	-6.750	6.875	3.380	-	-	-	-	-	-	Articulado	-
N341	-6.750	7.500	3.380	-	-	-	-	-	-	Articulado	-
N342	-6.750	8.125	3.380	-	-	-	-	-	-	Articulado	-
N343	-6.750	8.750	3.380	-	-	-	-	-	-	Articulado	-
N344	-6.750	9.375	3.380	-	-	-	-	-	-	Articulado	-
N345	-2.700	0.625	3.380	-	-	-	-	-	-	Articulado	-
N346	-2.700	1.250	3.380	-	-	-	-	-	-	Articulado	-
N347	-2.700	1.875	3.380	-	-	-	-	-	-	Articulado	-
N348	-2.700	2.500	3.380	-	-	-	-	-	-	Articulado	-
N349	-2.700	3.125	3.380	-	-	-	-	-	-	Articulado	-
N350	-2.700	3.750	3.380	-	-	-	-	-	-	Articulado	-
N351	-2.700	4.375	3.380	-	-	-	-	-	-	Articulado	-
N352	-1.350	0.625	3.380	-	-	-	-	-	-	Articulado	-
N353	-1.350	1.250	3.380	-	-	-	-	-	-	Articulado	-
N354	-1.350	1.875	3.380	-	-	-	-	-	-	Articulado	-
N355	-1.350	2.500	3.380	-	-	-	-	-	-	Articulado	-
N356	-1.350	3.125	3.380	-	-	-	-	-	-	Articulado	-
N357	-1.350	3.750	3.380	-	-	-	-	-	-	Articulado	-
N358	-1.350	4.375	3.380	-	-	-	-	-	-	Articulado	-
N359	-4.050	0.625	3.380	-	-	-	-	-	-	Articulado	-
N360	-4.050	1.250	3.380	-	-	-	-	-	-	Articulado	-
N361	-4.050	1.875	3.380	-	-	-	-	-	-	Articulado	-
N362	-4.050	2.500	3.380	-	-	-	-	-	-	Articulado	-
N363	-4.050	3.125	3.380	-	-	-	-	-	-	Articulado	-
N364	-4.050	3.750	3.380	-	-	-	-	-	-	Articulado	-
N365	-4.050	4.375	3.380	-	-	-	-	-	-	Articulado	-
N366	-5.400	0.625	3.380	-	-	-	-	-	-	Articulado	-
N367	-5.400	1.250	3.380	-	-	-	-	-	-	Articulado	-
N368	-5.400	1.875	3.380	-	-	-	-	-	-	Articulado	-
N369	-5.400	2.500	3.380	-	-	-	-	-	-	Articulado	-
N370	-5.400	3.125	3.380	-	-	-	-	-	-	Articulado	-
N371	-5.400	3.750	3.380	-	-	-	-	-	-	Articulado	-
N372	-5.400	4.375	3.380	-	-	-	-	-	-	Articulado	-
N373	-6.750	0.625	3.380	-	-	-	-	-	-	Articulado	-
N374	-6.750	1.250	3.380	-	-	-	-	-	-	Articulado	-
N375	-6.750	1.875	3.380	-	-	-	-	-	-	Articulado	-
N376	-6.750	2.500	3.380	-	-	-	-	-	-	Articulado	-



Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N377	-6.750	3.125	3.380	-	-	-	-	-	-	Articulado	-
N378	-6.750	3.750	3.380	-	-	-	-	-	-	Articulado	-
N379	-6.750	4.375	3.380	-	-	-	-	-	-	Articulado	-
N380	0.000	21.750	1.800	-	-	-	-	-	-	Articulado	-
N381	0.000	18.250	1.800	-	-	-	-	-	-	Articulado	-
N382	0.000	16.750	1.800	-	-	-	-	-	-	Articulado	-
N383	0.000	13.250	1.800	-	-	-	-	-	-	Articulado	-
N384	0.000	8.250	1.800	-	-	-	-	-	-	Articulado	-
N385	0.000	6.750	1.800	-	-	-	-	-	-	Articulado	-
N386	0.000	3.250	1.800	-	-	-	-	-	-	Articulado	-
N387	0.000	16.167	1.800	-	-	-	-	-	-	Articulado	-
N388	0.000	15.583	1.800	-	-	-	-	-	-	Articulado	-
N389	0.000	16.167	3.380	-	-	-	-	-	-	Articulado	2
N390	0.000	16.167	0.000	X	X	X	-	-	-	Empotrado	-
N391	0.000	15.583	3.380	-	-	-	-	-	-	Articulado	2
N392	0.000	15.583	0.000	X	X	X	-	-	-	Empotrado	-
N393	0.000	19.417	1.800	-	-	-	-	-	-	Articulado	-
N394	0.000	18.833	1.800	-	-	-	-	-	-	Articulado	-
N395	0.000	19.417	3.380	-	-	-	-	-	-	Articulado	2
N396	0.000	19.417	0.000	X	X	X	-	-	-	Empotrado	-
N397	0.000	18.833	3.380	-	-	-	-	-	-	Articulado	2
N398	0.000	18.833	0.000	X	X	X	-	-	-	Empotrado	-
N399	0.000	21.167	1.800	-	-	-	-	-	-	Articulado	-
N400	0.000	20.583	1.800	-	-	-	-	-	-	Articulado	-
N401	0.000	21.167	3.380	-	-	-	-	-	-	Articulado	2
N402	0.000	21.167	0.000	X	X	X	-	-	-	Empotrado	-
N403	0.000	20.583	3.380	-	-	-	-	-	-	Articulado	2
N404	0.000	20.583	0.000	X	X	X	-	-	-	Empotrado	-
N405	0.000	14.417	1.800	-	-	-	-	-	-	Articulado	-
N406	0.000	13.833	1.800	-	-	-	-	-	-	Articulado	-
N407	0.000	14.417	3.380	-	-	-	-	-	-	Articulado	2
N408	0.000	14.417	0.000	X	X	X	-	-	-	Empotrado	-
N409	0.000	13.833	3.380	-	-	-	-	-	-	Articulado	2
N410	0.000	13.833	0.000	X	X	X	-	-	-	Empotrado	-
N411	0.000	6.167	1.800	-	-	-	-	-	-	Articulado	-
N412	0.000	5.583	1.800	-	-	-	-	-	-	Articulado	-
N413	0.000	6.167	3.380	-	-	-	-	-	-	Articulado	2
N414	0.000	6.167	0.000	X	X	X	-	-	-	Empotrado	-
N415	0.000	5.583	3.380	-	-	-	-	-	-	Articulado	2
N416	0.000	5.583	0.000	X	X	X	-	-	-	Empotrado	-
N417	0.000	9.417	1.800	-	-	-	-	-	-	Articulado	-
N418	0.000	8.833	1.800	-	-	-	-	-	-	Articulado	-
N419	0.000	9.417	3.380	-	-	-	-	-	-	Articulado	2
N420	0.000	9.417	0.000	X	X	X	-	-	-	Empotrado	-
N421	0.000	8.833	3.380	-	-	-	-	-	-	Articulado	2



Listados

VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N422	0.000	8.833	0.000	X	X	X	-	-	-	Empotrado	-
N423	0.000	4.417	1.800	-	-	-	-	-	-	Articulado	-
N424	0.000	3.833	1.800	-	-	-	-	-	-	Articulado	-
N425	0.000	4.417	3.380	-	-	-	-	-	-	Articulado	2
N426	0.000	4.417	0.000	X	X	X	-	-	-	Empotrado	-
N427	0.000	3.833	3.380	-	-	-	-	-	-	Articulado	2
N428	0.000	3.833	0.000	X	X	X	-	-	-	Empotrado	-
N429	0.000	11.167	0.000	X	X	X	-	-	-	Empotrado	-
N430	0.000	11.167	1.800	-	-	-	-	-	-	Articulado	-
N431	0.000	10.583	0.000	X	X	X	-	-	-	Empotrado	-
N432	0.000	10.583	1.800	-	-	-	-	-	-	Articulado	-
N433	0.000	10.583	3.380	-	-	-	-	-	-	Articulado	2
N434	0.000	11.167	3.380	-	-	-	-	-	-	Articulado	2
N435	0.000	24.417	0.000	X	X	X	-	-	-	Empotrado	-
N436	0.000	24.417	1.800	-	-	-	-	-	-	Articulado	-
N437	0.000	23.833	0.000	X	X	X	-	-	-	Empotrado	-
N438	0.000	23.833	1.800	-	-	-	-	-	-	Articulado	-
N439	0.000	23.833	3.380	-	-	-	-	-	-	Articulado	2
N440	0.000	24.417	3.380	-	-	-	-	-	-	Articulado	2
N441	0.000	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N442	0.000	1.167	1.800	-	-	-	-	-	-	Articulado	-
N443	0.000	0.583	0.000	X	X	X	-	-	-	Empotrado	-
N444	0.000	0.583	1.800	-	-	-	-	-	-	Articulado	-
N445	0.000	0.583	3.380	-	-	-	-	-	-	Articulado	2
N446	0.000	1.167	3.380	-	-	-	-	-	-	Articulado	2
N447	-8.100	24.417	0.000	X	X	X	-	-	-	Empotrado	-
N448	-8.100	23.833	0.000	X	X	X	-	-	-	Empotrado	-
N449	-8.100	21.167	0.000	X	X	X	-	-	-	Empotrado	-
N450	-8.100	20.583	0.000	X	X	X	-	-	-	Empotrado	-
N451	-8.100	19.417	0.000	X	X	X	-	-	-	Empotrado	-
N452	-8.100	18.833	0.000	X	X	X	-	-	-	Empotrado	-
N453	-8.100	16.167	0.000	X	X	X	-	-	-	Empotrado	-
N454	-8.100	15.583	0.000	X	X	X	-	-	-	Empotrado	-
N455	-8.100	14.417	0.000	X	X	X	-	-	-	Empotrado	-
N456	-8.100	13.833	0.000	X	X	X	-	-	-	Empotrado	-
N457	-8.100	9.417	0.000	X	X	X	-	-	-	Empotrado	-
N458	-8.100	8.833	0.000	X	X	X	-	-	-	Empotrado	-
N459	-8.100	11.167	0.000	X	X	X	-	-	-	Empotrado	-
N460	-8.100	10.583	0.000	X	X	X	-	-	-	Empotrado	-
N461	-8.100	6.167	0.000	X	X	X	-	-	-	Empotrado	-
N462	-8.100	5.583	0.000	X	X	X	-	-	-	Empotrado	-
N463	-8.100	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N464	-8.100	0.583	0.000	X	X	X	-	-	-	Empotrado	-
N465	-8.100	4.417	0.000	X	X	X	-	-	-	Empotrado	-
N466	-8.100	3.833	0.000	X	X	X	-	-	-	Empotrado	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N467	-8.100	18.833	3.380	-	-	-	-	-	-	Articulado	1
N468	-8.100	19.417	3.380	-	-	-	-	-	-	Articulado	1
N469	-8.100	20.583	3.380	-	-	-	-	-	-	Articulado	1
N470	-8.100	21.167	3.380	-	-	-	-	-	-	Articulado	1
N471	-8.100	23.833	3.380	-	-	-	-	-	-	Articulado	1
N472	-8.100	24.417	3.380	-	-	-	-	-	-	Articulado	1
N473	-8.100	16.167	3.380	-	-	-	-	-	-	Articulado	1
N474	-8.100	15.583	3.380	-	-	-	-	-	-	Articulado	1
N475	-8.100	14.417	3.380	-	-	-	-	-	-	Articulado	1
N476	-8.100	13.833	3.380	-	-	-	-	-	-	Articulado	1
N477	-8.100	11.167	3.380	-	-	-	-	-	-	Articulado	1
N478	-8.100	10.583	3.380	-	-	-	-	-	-	Articulado	1
N479	-8.100	9.417	3.380	-	-	-	-	-	-	Articulado	1
N480	-8.100	8.833	3.380	-	-	-	-	-	-	Articulado	1
N481	-8.100	6.167	3.380	-	-	-	-	-	-	Articulado	1
N482	-8.100	5.583	3.380	-	-	-	-	-	-	Articulado	1
N483	-8.100	4.417	3.380	-	-	-	-	-	-	Articulado	1
N484	-8.100	3.833	3.380	-	-	-	-	-	-	Articulado	1
N485	-8.100	1.167	3.380	-	-	-	-	-	-	Genérico	1
N486	-8.100	0.583	3.380	-	-	-	-	-	-	Articulado	1
N487	-6.075	25.000	1.800	-	-	-	-	-	-	Articulado	-
N488	-4.725	25.000	1.800	-	-	-	-	-	-	Articulado	-
N489	-3.375	25.000	1.800	-	-	-	-	-	-	Articulado	-
N490	-2.025	25.000	1.800	-	-	-	-	-	-	Articulado	-
N491	-5.400	10.000	1.800	-	-	-	-	-	-	Articulado	-
N492	-4.050	10.000	1.800	-	-	-	-	-	-	Articulado	-
N493	-2.700	10.000	1.800	-	-	-	-	-	-	Articulado	-
N494	-5.400	5.000	1.800	-	-	-	-	-	-	Articulado	-
N495	-4.050	5.000	1.800	-	-	-	-	-	-	Articulado	-
N496	-2.700	5.000	1.800	-	-	-	-	-	-	Articulado	-
N497	-5.400	15.000	1.800	-	-	-	-	-	-	Articulado	-
N498	-4.050	15.000	1.800	-	-	-	-	-	-	Articulado	-
N499	-2.700	15.000	1.800	-	-	-	-	-	-	Articulado	-
N500	-5.400	20.000	1.800	-	-	-	-	-	-	Articulado	-
N501	-4.050	20.000	1.800	-	-	-	-	-	-	Articulado	-
N502	-2.700	20.000	1.800	-	-	-	-	-	-	Articulado	-
N503	-2.700	0.000	1.800	-	-	-	-	-	-	Articulado	-
N504	-2.025	0.000	1.800	-	-	-	-	-	-	Articulado	-
N505	-3.375	0.000	1.800	-	-	-	-	-	-	Articulado	-
N506	-4.050	0.000	1.800	-	-	-	-	-	-	Articulado	-
N507	-4.725	0.000	1.800	-	-	-	-	-	-	Articulado	-
N508	-5.400	0.000	1.800	-	-	-	-	-	-	Articulado	-
N509	-6.075	0.000	1.800	-	-	-	-	-	-	Articulado	-
N510	-0.675	0.000	1.800	-	-	-	-	-	-	Articulado	-
N511	-7.425	0.000	1.800	-	-	-	-	-	-	Articulado	-



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VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N512	-7.425	25.000	1.800	-	-	-	-	-	-	Articulado	-
N513	-0.675	25.000	1.800	-	-	-	-	-	-	Articulado	-
N514	-8.100	0.583	1.800	-	-	-	-	-	-	Articulado	-
N515	-8.100	1.167	1.800	-	-	-	-	-	-	Articulado	-
N516	-8.100	10.583	1.800	-	-	-	-	-	-	Articulado	-
N517	-8.100	11.167	1.800	-	-	-	-	-	-	Articulado	-
N518	-8.100	23.833	1.800	-	-	-	-	-	-	Articulado	-
N519	-8.100	24.417	1.800	-	-	-	-	-	-	Articulado	-
N520	-8.100	21.750	1.800	-	-	-	-	-	-	Articulado	-
N521	-8.100	21.167	1.800	-	-	-	-	-	-	Articulado	-
N522	-8.100	20.583	1.800	-	-	-	-	-	-	Articulado	-
N523	-8.100	19.417	1.800	-	-	-	-	-	-	Articulado	-
N524	-8.100	18.833	1.800	-	-	-	-	-	-	Articulado	-
N525	-8.100	18.250	1.800	-	-	-	-	-	-	Articulado	-
N526	-8.100	16.750	1.800	-	-	-	-	-	-	Articulado	-
N527	-8.100	16.167	1.800	-	-	-	-	-	-	Articulado	-
N528	-8.100	15.583	1.800	-	-	-	-	-	-	Articulado	-
N529	-8.100	14.417	1.800	-	-	-	-	-	-	Articulado	-
N530	-8.100	13.833	1.800	-	-	-	-	-	-	Articulado	-
N531	-8.100	13.250	1.800	-	-	-	-	-	-	Articulado	-
N532	-8.100	9.417	1.800	-	-	-	-	-	-	Articulado	-
N533	-8.100	8.833	1.800	-	-	-	-	-	-	Articulado	-
N534	-8.100	8.250	1.800	-	-	-	-	-	-	Articulado	-
N535	-8.100	6.750	1.800	-	-	-	-	-	-	Articulado	-
N536	-8.100	6.167	1.800	-	-	-	-	-	-	Articulado	-
N537	-8.100	5.583	1.800	-	-	-	-	-	-	Articulado	-
N538	-8.100	3.833	1.800	-	-	-	-	-	-	Articulado	-
N539	-8.100	3.250	1.800	-	-	-	-	-	-	Articulado	-
N540	-8.100	4.417	1.800	-	-	-	-	-	-	Articulado	-
N541	-8.100	7.500	2.500	-	-	-	-	-	-	Articulado	-
N542	-8.100	7.500	3.380	-	-	-	-	-	-	Articulado	1
N543	-8.100	12.500	2.500	-	-	-	-	-	-	Articulado	-
N544	-8.100	12.500	3.380	-	-	-	-	-	-	Articulado	1
N545	-8.100	17.500	2.500	-	-	-	-	-	-	Articulado	-
N546	-8.100	17.500	3.380	-	-	-	-	-	-	Articulado	1
N547	-8.100	22.500	2.500	-	-	-	-	-	-	Articulado	-
N548	-8.100	22.500	3.380	-	-	-	-	-	-	Articulado	1
N549	-8.100	2.500	2.500	-	-	-	-	-	-	Articulado	-
N550	-8.100	2.500	3.380	-	-	-	-	-	-	Articulado	1
N551	0.000	22.500	0.000	X	X	X	-	-	-	Empotrado	-
N552	0.000	22.500	1.800	-	-	-	-	-	-	Articulado	-
N553	0.000	22.500	3.380	-	-	-	-	-	-	Articulado	2
N554	0.000	17.500	0.000	X	X	X	-	-	-	Empotrado	-
N555	0.000	17.500	1.800	-	-	-	-	-	-	Articulado	-
N556	0.000	17.500	3.380	-	-	-	-	-	-	Articulado	2



Listados

VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N557	0.000	12.500	0.000	X	X	X	-	-	-	Empotrado	-
N558	0.000	12.500	1.800	-	-	-	-	-	-	Articulado	-
N559	0.000	12.500	3.380	-	-	-	-	-	-	Articulado	2
N560	0.000	7.500	0.000	X	X	X	-	-	-	Empotrado	-
N561	0.000	7.500	1.800	-	-	-	-	-	-	Articulado	-
N562	0.000	7.500	3.380	-	-	-	-	-	-	Articulado	2
N563	0.000	2.500	0.000	X	X	X	-	-	-	Empotrado	-
N564	0.000	2.500	1.800	-	-	-	-	-	-	Articulado	-
N565	0.000	2.500	3.380	-	-	-	-	-	-	Articulado	2
N566	-2.700	0.000	3.100	-	-	-	-	-	-	Empotrado	-
N567	-8.100	-5.000	0.000	X	X	X	-	-	-	Empotrado	-
N568	-8.100	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N569	0.000	-5.000	0.000	X	X	X	-	-	-	Empotrado	-
N570	-8.100	-4.417	0.000	X	X	X	-	-	-	Empotrado	-
N571	-8.100	-4.417	3.380	-	-	-	-	-	-	Articulado	-
N572	-8.100	-3.834	0.000	X	X	X	-	-	-	Empotrado	-
N573	-8.100	-3.834	3.380	-	-	-	-	-	-	Articulado	-
N574	-8.100	-3.249	0.000	X	X	X	-	-	-	Empotrado	-
N575	-8.100	-3.249	3.380	-	-	-	-	-	-	Articulado	-
N576	-8.100	-1.749	0.000	X	X	X	-	-	-	Empotrado	-
N577	-8.100	-1.749	3.380	-	-	-	-	-	-	Articulado	-
N578	-8.100	-1.166	0.000	X	X	X	-	-	-	Empotrado	-
N579	-8.100	-1.166	3.380	-	-	-	-	-	-	Articulado	-
N580	-8.100	-0.583	0.000	X	X	X	-	-	-	Empotrado	-
N581	-8.100	-0.583	3.380	-	-	-	-	-	-	Articulado	-
N582	-8.100	-3.249	2.500	-	-	-	-	-	-	Articulado	-
N583	-8.100	-1.749	2.500	-	-	-	-	-	-	Articulado	-
N584	-8.100	-1.749	1.800	-	-	-	-	-	-	Articulado	-
N585	-8.100	-3.249	1.800	-	-	-	-	-	-	Articulado	-
N586	-8.100	-5.000	1.800	-	-	-	-	-	-	Articulado	-
N587	-7.425	-5.000	0.000	X	X	X	-	-	-	Empotrado	-
N588	-7.425	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N589	-6.351	-5.000	0.000	X	X	X	-	-	-	Empotrado	-
N590	-6.351	-5.000	3.380	-	-	-	-	-	-	Genérico	-
N591	-6.750	-5.000	0.000	X	X	X	-	-	-	Empotrado	-
N592	-6.750	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N593	0.000	-5.000	3.380	-	-	-	-	-	-	Genérico	-
N594	0.000	-1.749	0.000	X	X	X	-	-	-	Empotrado	-
N595	0.000	-1.749	3.380	-	-	-	-	-	-	Articulado	-
N596	0.000	-3.249	0.000	X	X	X	-	-	-	Empotrado	-
N597	0.000	-3.249	3.380	-	-	-	-	-	-	Articulado	-
N598	0.000	-3.834	0.000	X	X	X	-	-	-	Empotrado	-
N599	0.000	-3.834	3.380	-	-	-	-	-	-	Articulado	-
N600	0.000	-4.417	0.000	X	X	X	-	-	-	Empotrado	-
N601	0.000	-4.417	3.380	-	-	-	-	-	-	Articulado	-



Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N602	0.000	-0.583	0.000	X	X	X	-	-	-	Empotrado	-
N603	0.000	-0.583	3.380	-	-	-	-	-	-	Articulado	-
N604	0.000	-1.166	0.000	X	X	X	-	-	-	Empotrado	-
N605	0.000	-1.166	3.380	-	-	-	-	-	-	Articulado	-
N606	0.000	-1.749	1.800	-	-	-	-	-	-	Articulado	-
N607	0.000	-3.249	1.800	-	-	-	-	-	-	Articulado	-
N608	0.000	-5.000	1.800	-	-	-	-	-	-	Articulado	-
N609	0.000	-1.749	2.500	-	-	-	-	-	-	Articulado	-
N610	0.000	-3.249	2.500	-	-	-	-	-	-	Articulado	-
N611	-6.351	0.000	0.000	X	X	X	-	-	-	Empotrado	-
N612	-6.351	0.000	3.380	-	-	-	-	-	-	Articulado	-
N613	-8.100	-0.583	1.800	-	-	-	-	-	-	Articulado	-
N614	-8.100	-1.166	1.800	-	-	-	-	-	-	Articulado	-
N615	-8.100	-4.417	1.800	-	-	-	-	-	-	Articulado	-
N616	-8.100	-3.834	1.800	-	-	-	-	-	-	Articulado	-
N617	-8.100	-2.499	2.500	-	-	-	-	-	-	Articulado	-
N618	-8.100	-2.499	3.380	-	-	-	-	-	-	Articulado	3
N619	-1.350	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N620	-2.700	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N621	-4.050	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N622	-5.400	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N623	-4.050	-0.625	3.380	-	-	-	-	-	-	Articulado	-
N624	-4.050	-1.250	3.380	-	-	-	-	-	-	Articulado	-
N625	-4.050	-1.875	3.380	-	-	-	-	-	-	Articulado	-
N626	-4.050	-2.499	3.380	-	-	-	-	-	-	Articulado	3
N627	-4.050	-3.124	3.380	-	-	-	-	-	-	Articulado	-
N628	-4.050	-3.749	3.380	-	-	-	-	-	-	Articulado	-
N629	-4.050	-4.374	3.380	-	-	-	-	-	-	Articulado	-
N630	-2.700	-0.625	3.380	-	-	-	-	-	-	Articulado	-
N631	-2.700	-1.250	3.380	-	-	-	-	-	-	Articulado	-
N632	-2.700	-1.875	3.380	-	-	-	-	-	-	Articulado	-
N633	-2.700	-2.499	3.380	-	-	-	-	-	-	Articulado	3
N634	-2.700	-3.124	3.380	-	-	-	-	-	-	Articulado	-
N635	-2.700	-3.749	3.380	-	-	-	-	-	-	Articulado	-
N636	-2.700	-4.374	3.380	-	-	-	-	-	-	Articulado	-
N637	-5.400	-0.625	3.380	-	-	-	-	-	-	Articulado	-
N638	-5.400	-1.250	3.380	-	-	-	-	-	-	Articulado	-
N639	-5.400	-1.875	3.380	-	-	-	-	-	-	Articulado	-
N640	-5.400	-2.499	3.380	-	-	-	-	-	-	Articulado	3
N641	-5.400	-3.124	3.380	-	-	-	-	-	-	Articulado	-
N642	-5.400	-3.749	3.380	-	-	-	-	-	-	Articulado	-
N643	-5.400	-4.374	3.380	-	-	-	-	-	-	Articulado	-
N644	-6.750	-0.625	3.380	-	-	-	-	-	-	Articulado	-
N645	-6.750	-1.250	3.380	-	-	-	-	-	-	Articulado	-
N646	-6.750	-1.875	3.380	-	-	-	-	-	-	Articulado	-



Listados

VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N647	-6.750	-2.499	3.380	-	-	-	-	-	-	Articulado	3
N648	-6.750	-3.124	3.380	-	-	-	-	-	-	Articulado	-
N649	-6.750	-3.749	3.380	-	-	-	-	-	-	Articulado	-
N650	-6.750	-4.374	3.380	-	-	-	-	-	-	Articulado	-
N651	-1.350	-0.625	3.380	-	-	-	-	-	-	Articulado	-
N652	-1.350	-1.250	3.380	-	-	-	-	-	-	Articulado	-
N653	-1.350	-1.875	3.380	-	-	-	-	-	-	Articulado	-
N654	-1.350	-2.499	3.380	-	-	-	-	-	-	Articulado	3
N655	-1.350	-3.124	3.380	-	-	-	-	-	-	Articulado	-
N656	-1.350	-3.749	3.380	-	-	-	-	-	-	Articulado	-
N657	-1.350	-4.374	3.380	-	-	-	-	-	-	Articulado	-
N658	0.000	-0.583	1.800	-	-	-	-	-	-	Articulado	-
N659	0.000	-1.166	1.800	-	-	-	-	-	-	Articulado	-
N660	0.000	-3.834	1.800	-	-	-	-	-	-	Articulado	-
N661	0.000	-4.417	1.800	-	-	-	-	-	-	Articulado	-
N662	0.000	-2.499	2.500	-	-	-	-	-	-	Articulado	-
N663	0.000	-2.499	3.380	-	-	-	-	-	-	Articulado	3
N664	-6.351	-4.417	0.000	X	X	X	-	-	-	Empotrado	-
N665	-6.351	-3.834	0.000	X	X	X	-	-	-	Empotrado	-
N666	-6.351	-3.249	0.000	X	X	X	-	-	-	Empotrado	-
N667	-6.351	-1.749	0.000	X	X	X	-	-	-	Empotrado	-
N668	-6.351	-1.166	0.000	X	X	X	-	-	-	Empotrado	-
N669	-6.351	-0.583	0.000	X	X	X	-	-	-	Empotrado	-
N670	-6.351	-2.499	0.000	X	X	X	-	-	-	Empotrado	-
N671	-6.351	-0.583	3.380	-	-	-	-	-	-	Articulado	-
N672	-6.351	-1.166	3.380	-	-	-	-	-	-	Articulado	-
N673	-6.351	-1.749	3.380	-	-	-	-	-	-	Articulado	-
N674	-6.351	-2.499	3.380	-	-	-	-	-	-	Articulado	3
N675	-6.351	-3.249	3.380	-	-	-	-	-	-	Articulado	-
N676	-6.351	-3.834	3.380	-	-	-	-	-	-	Articulado	-
N677	-6.351	-4.417	3.380	-	-	-	-	-	-	Articulado	-
N678	0.600	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N679	-8.700	-5.000	3.380	-	-	-	-	-	-	Articulado	-
N680	-8.700	4.000	3.380	-	-	-	-	-	-	Articulado	-
N681	-8.700	3.000	3.380	-	-	-	-	-	-	Articulado	-
N682	-8.700	2.000	3.380	-	-	-	-	-	-	Articulado	-
N683	-8.700	1.167	3.380	-	-	-	-	-	-	Articulado	-
N684	-8.700	6.000	3.380	-	-	-	-	-	-	Articulado	-
N685	-8.700	7.000	3.380	-	-	-	-	-	-	Articulado	-
N686	-8.700	8.000	3.380	-	-	-	-	-	-	Articulado	-
N687	-8.700	9.000	3.380	-	-	-	-	-	-	Articulado	-
N688	-8.700	11.000	3.380	-	-	-	-	-	-	Articulado	-
N689	-8.700	12.000	3.380	-	-	-	-	-	-	Articulado	-
N690	-8.700	13.000	3.380	-	-	-	-	-	-	Articulado	-
N691	-8.700	14.000	3.380	-	-	-	-	-	-	Articulado	-



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VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N692	-18.100	1.167	3.380	-	-	-	-	-	-	Articulado	-
N693	-18.100	2.000	3.380	-	-	-	-	-	-	Articulado	-
N694	-18.100	3.000	3.380	-	-	-	-	-	-	Articulado	-
N695	-18.100	4.000	3.380	-	-	-	-	-	-	Articulado	-
N696	-18.100	5.000	3.380	-	-	-	-	-	-	Articulado	-
N697	-18.100	6.000	3.380	-	-	-	-	-	-	Articulado	-
N698	-18.100	7.000	3.380	-	-	-	-	-	-	Articulado	-
N699	-18.100	8.000	3.380	-	-	-	-	-	-	Articulado	-
N700	-18.100	9.000	3.380	-	-	-	-	-	-	Articulado	-
N701	-18.100	10.000	3.380	-	-	-	-	-	-	Articulado	-
N702	-18.100	11.000	3.380	-	-	-	-	-	-	Articulado	-
N703	-18.100	12.000	3.380	-	-	-	-	-	-	Articulado	-
N704	-18.100	13.000	3.380	-	-	-	-	-	-	Articulado	-
N705	-18.100	14.000	3.380	-	-	-	-	-	-	Articulado	-
N706	-18.100	15.000	3.380	-	-	-	-	-	-	Articulado	-
N707	-10.100	15.000	5.169	-	-	-	-	-	-	Empotrado	-
N708	-10.325	14.000	5.035	-	-	-	-	-	-	Empotrado	-
N709	-10.551	13.000	4.870	-	-	-	-	-	-	Empotrado	-
N710	-10.776	12.000	4.766	-	-	-	-	-	-	Empotrado	-
N711	-11.002	11.000	4.621	-	-	-	-	-	-	Empotrado	-
N712	-11.227	10.000	4.517	-	-	-	-	-	-	Empotrado	-
N713	-11.452	9.000	4.372	-	-	-	-	-	-	Empotrado	-
N714	-11.678	8.000	4.269	-	-	-	-	-	-	Empotrado	-
N715	-11.903	7.000	4.118	-	-	-	-	-	-	Empotrado	-
N716	-12.128	6.000	4.002	-	-	-	-	-	-	Empotrado	-
N717	-12.354	5.000	3.875	-	-	-	-	-	-	Empotrado	-
N718	-12.579	4.000	3.755	-	-	-	-	-	-	Empotrado	-
N719	-12.805	3.000	3.625	-	-	-	-	-	-	Empotrado	-
N720	-13.030	2.000	3.502	-	-	-	-	-	-	Empotrado	-
N721	-13.255	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N722	-18.100	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N723	-13.400	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N724	-13.400	1.167	3.130	-	-	-	-	-	-	Articulado	-
N725	-18.100	1.167	3.130	-	-	-	-	-	-	Articulado	-
N726	-18.100	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N727	-18.100	15.867	3.130	-	-	-	-	-	-	Articulado	-
N728	-13.400	15.867	3.130	-	-	-	-	-	-	Articulado	-
N729	-13.400	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N730	-18.100	15.000	3.130	-	-	-	-	-	-	Articulado	-
N731	-13.400	14.000	3.130	-	-	-	-	-	-	Articulado	-
N732	-13.400	14.000	0.000	X	X	X	-	-	-	Empotrado	-
N733	-13.400	15.000	3.130	-	-	-	-	-	-	Articulado	-
N734	-13.400	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N735	-13.400	15.000	2.500	-	-	-	-	-	-	Articulado	-
N736	-13.400	14.000	2.500	-	-	-	-	-	-	Articulado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N737	-18.100	15.000	0.000	X	X	X	-	-	-	Empotrado	-
N738	-18.100	8.500	3.130	-	-	-	-	-	-	Articulado	-
N739	-18.100	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N740	-18.100	7.000	3.130	-	-	-	-	-	-	Articulado	-
N741	-18.100	4.000	3.130	-	-	-	-	-	-	Articulado	-
N742	-18.100	4.000	0.000	X	X	X	-	-	-	Empotrado	-
N743	-18.100	7.000	0.000	X	X	X	-	-	-	Empotrado	-
N744	-18.100	10.000	3.130	-	-	-	-	-	-	Articulado	-
N745	-18.100	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N746	-18.100	13.000	3.130	-	-	-	-	-	-	Articulado	-
N747	-18.100	13.000	0.000	X	X	X	-	-	-	Empotrado	-
N748	-18.100	4.600	0.000	X	X	X	-	-	-	Empotrado	-
N749	-18.100	4.600	3.130	-	-	-	-	-	-	Articulado	-
N750	-18.100	5.200	0.000	X	X	X	-	-	-	Empotrado	-
N751	-18.100	5.200	3.130	-	-	-	-	-	-	Articulado	-
N752	-18.100	5.800	0.000	X	X	X	-	-	-	Empotrado	-
N753	-18.100	5.800	3.130	-	-	-	-	-	-	Articulado	-
N754	-18.100	6.400	0.000	X	X	X	-	-	-	Empotrado	-
N755	-18.100	6.400	3.130	-	-	-	-	-	-	Articulado	-
N756	-18.100	3.400	0.000	X	X	X	-	-	-	Empotrado	-
N757	-18.100	3.400	3.130	-	-	-	-	-	-	Articulado	-
N758	-18.100	2.800	0.000	X	X	X	-	-	-	Empotrado	-
N759	-18.100	2.800	3.130	-	-	-	-	-	-	Articulado	-
N760	-18.100	2.200	0.000	X	X	X	-	-	-	Empotrado	-
N761	-18.100	2.200	3.130	-	-	-	-	-	-	Articulado	-
N762	-18.100	1.600	0.000	X	X	X	-	-	-	Empotrado	-
N763	-18.100	1.600	3.130	-	-	-	-	-	-	Articulado	-
N764	-18.100	7.500	0.000	X	X	X	-	-	-	Empotrado	-
N765	-18.100	7.500	3.130	-	-	-	-	-	-	Articulado	-
N766	-18.100	8.000	0.000	X	X	X	-	-	-	Empotrado	-
N767	-18.100	8.000	3.130	-	-	-	-	-	-	Articulado	-
N768	-18.100	9.000	0.000	X	X	X	-	-	-	Empotrado	-
N769	-18.100	9.000	3.130	-	-	-	-	-	-	Articulado	-
N770	-18.100	9.500	0.000	X	X	X	-	-	-	Empotrado	-
N771	-18.100	9.500	3.130	-	-	-	-	-	-	Articulado	-
N772	-18.100	10.600	0.000	X	X	X	-	-	-	Empotrado	-
N773	-18.100	10.600	3.130	-	-	-	-	-	-	Articulado	-
N774	-18.100	11.200	0.000	X	X	X	-	-	-	Empotrado	-
N775	-18.100	11.200	3.130	-	-	-	-	-	-	Articulado	-
N776	-18.100	11.800	0.000	X	X	X	-	-	-	Empotrado	-
N777	-18.100	11.800	3.130	-	-	-	-	-	-	Articulado	-
N778	-18.100	12.400	0.000	X	X	X	-	-	-	Empotrado	-
N779	-18.100	12.400	3.130	-	-	-	-	-	-	Articulado	-
N780	-18.100	13.500	0.000	X	X	X	-	-	-	Empotrado	-
N781	-18.100	13.500	3.130	-	-	-	-	-	-	Articulado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N782	-18.100	14.000	0.000	X	X	X	-	-	-	Empotrado	-
N783	-18.100	14.000	3.130	-	-	-	-	-	-	Articulado	-
N784	-18.100	14.500	0.000	X	X	X	-	-	-	Empotrado	-
N785	-18.100	14.500	3.130	-	-	-	-	-	-	Articulado	-
N786	-18.100	15.500	0.000	X	X	X	-	-	-	Empotrado	-
N787	-18.100	15.500	3.130	-	-	-	-	-	-	Articulado	-
N788	-17.512	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N789	-17.512	15.867	3.130	-	-	-	-	-	-	Articulado	-
N790	-16.924	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N791	-16.924	15.867	3.130	-	-	-	-	-	-	Articulado	-
N792	-16.336	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N793	-16.336	15.867	3.130	-	-	-	-	-	-	Articulado	-
N794	-15.748	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N795	-15.748	15.867	3.130	-	-	-	-	-	-	Articulado	-
N796	-15.160	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N797	-15.160	15.867	3.130	-	-	-	-	-	-	Articulado	-
N798	-14.572	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N799	-14.572	15.867	3.130	-	-	-	-	-	-	Articulado	-
N800	-13.984	15.867	0.000	X	X	X	-	-	-	Empotrado	-
N801	-13.984	15.867	3.130	-	-	-	-	-	-	Articulado	-
N802	-17.512	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N803	-17.512	1.167	3.130	-	-	-	-	-	-	Articulado	-
N804	-16.924	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N805	-16.924	1.167	3.130	-	-	-	-	-	-	Articulado	-
N806	-16.336	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N807	-16.336	1.167	3.130	-	-	-	-	-	-	Articulado	-
N808	-15.748	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N809	-15.748	1.167	3.130	-	-	-	-	-	-	Articulado	-
N810	-15.160	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N811	-15.160	1.167	3.130	-	-	-	-	-	-	Articulado	-
N812	-14.572	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N813	-14.572	1.167	3.130	-	-	-	-	-	-	Articulado	-
N814	-13.984	1.167	0.000	X	X	X	-	-	-	Empotrado	-
N815	-13.984	1.167	3.130	-	-	-	-	-	-	Articulado	-
N816	-13.400	15.500	0.000	X	X	X	-	-	-	Empotrado	-
N817	-13.400	15.500	3.130	-	-	-	-	-	-	Articulado	-
N818	-13.400	14.500	3.130	-	-	-	-	-	-	Articulado	-
N819	-13.400	14.500	2.500	-	-	-	-	-	-	Articulado	-
N820	-13.400	13.500	3.130	-	-	-	-	-	-	Articulado	-
N821	-13.400	13.500	0.000	X	X	X	-	-	-	Empotrado	-
N822	-13.400	13.000	0.000	X	X	X	-	-	-	Empotrado	-
N823	-13.400	13.000	3.130	-	-	-	-	-	-	Articulado	-
N824	-13.400	12.400	0.000	X	X	X	-	-	-	Empotrado	-
N825	-13.400	12.400	3.130	-	-	-	-	-	-	Articulado	-
N826	-13.400	11.800	0.000	X	X	X	-	-	-	Empotrado	-



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VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N827	-13.400	11.800	3.130	-	-	-	-	-	-	Articulado	-
N828	-13.400	11.200	0.000	X	X	X	-	-	-	Empotrado	-
N829	-13.400	11.200	3.130	-	-	-	-	-	-	Articulado	-
N830	-13.400	10.600	0.000	X	X	X	-	-	-	Empotrado	-
N831	-13.400	10.600	3.130	-	-	-	-	-	-	Articulado	-
N832	-13.400	10.000	0.000	X	X	X	-	-	-	Empotrado	-
N833	-13.400	10.000	3.130	-	-	-	-	-	-	Articulado	-
N834	-13.400	9.500	0.000	X	X	X	-	-	-	Empotrado	-
N835	-13.400	9.500	3.130	-	-	-	-	-	-	Articulado	-
N836	-13.400	9.000	0.000	X	X	X	-	-	-	Empotrado	-
N837	-13.400	9.000	3.130	-	-	-	-	-	-	Articulado	-
N838	-13.400	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N839	-13.400	8.500	3.130	-	-	-	-	-	-	Articulado	-
N840	-13.400	8.000	0.000	X	X	X	-	-	-	Empotrado	-
N841	-13.400	8.000	3.130	-	-	-	-	-	-	Articulado	-
N842	-13.400	7.000	0.000	X	X	X	-	-	-	Empotrado	-
N843	-13.400	7.000	3.130	-	-	-	-	-	-	Articulado	-
N844	-13.400	7.000	2.500	-	-	-	-	-	-	Articulado	-
N845	-13.400	8.000	2.500	-	-	-	-	-	-	Articulado	-
N846	-13.400	7.500	2.500	-	-	-	-	-	-	Articulado	-
N847	-13.400	7.500	3.130	-	-	-	-	-	-	Articulado	-
N848	-13.400	6.400	0.000	X	X	X	-	-	-	Empotrado	-
N849	-13.400	6.400	3.130	-	-	-	-	-	-	Articulado	-
N850	-13.400	5.800	0.000	X	X	X	-	-	-	Empotrado	-
N851	-13.400	5.800	3.130	-	-	-	-	-	-	Articulado	-
N852	-13.400	5.200	0.000	X	X	X	-	-	-	Empotrado	-
N853	-13.400	5.200	3.130	-	-	-	-	-	-	Articulado	-
N854	-13.400	4.600	0.000	X	X	X	-	-	-	Empotrado	-
N855	-13.400	4.600	3.130	-	-	-	-	-	-	Articulado	-
N856	-13.400	4.000	0.000	X	X	X	-	-	-	Empotrado	-
N857	-13.400	4.000	3.130	-	-	-	-	-	-	Articulado	-
N858	-13.400	3.400	0.000	X	X	X	-	-	-	Empotrado	-
N859	-13.400	3.400	3.130	-	-	-	-	-	-	Articulado	-
N860	-13.400	2.800	0.000	X	X	X	-	-	-	Empotrado	-
N861	-13.400	2.800	3.130	-	-	-	-	-	-	Articulado	-
N862	-13.400	2.200	0.000	X	X	X	-	-	-	Empotrado	-
N863	-13.400	2.200	3.130	-	-	-	-	-	-	Articulado	-
N864	-13.400	1.600	0.000	X	X	X	-	-	-	Empotrado	-
N865	-13.400	1.600	3.130	-	-	-	-	-	-	Articulado	-
N866	-17.512	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N867	-17.512	8.500	3.130	-	-	-	-	-	-	Articulado	-
N868	-16.924	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N869	-16.924	8.500	3.130	-	-	-	-	-	-	Articulado	-
N870	-16.336	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N871	-16.336	8.500	3.130	-	-	-	-	-	-	Articulado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N872	-15.748	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N873	-15.748	8.500	3.130	-	-	-	-	-	-	Articulado	-
N874	-15.160	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N875	-15.160	8.500	3.130	-	-	-	-	-	-	Articulado	-
N876	-14.572	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N877	-14.572	8.500	3.130	-	-	-	-	-	-	Articulado	-
N878	-13.984	8.500	0.000	X	X	X	-	-	-	Empotrado	-
N879	-13.984	8.500	3.130	-	-	-	-	-	-	Articulado	-
N880	-8.700	13.250	3.380	-	-	-	-	-	-	Articulado	-
N881	-8.700	11.750	3.380	-	-	-	-	-	-	Articulado	-
N882	-8.700	8.250	3.380	-	-	-	-	-	-	Articulado	-
N883	-8.700	6.750	3.380	-	-	-	-	-	-	Articulado	-
N884	-8.700	3.250	3.380	-	-	-	-	-	-	Articulado	-
N885	-8.100	15.000	2.780	-	-	-	-	-	-	Articulado	-
N886	-8.100	13.250	2.780	-	-	-	-	-	-	Articulado	-
N887	-8.100	11.750	2.780	-	-	-	-	-	-	Articulado	-
N888	-8.100	10.000	2.780	-	-	-	-	-	-	Articulado	-
N889	-8.100	8.250	2.780	-	-	-	-	-	-	Articulado	-
N890	-8.100	6.750	2.780	-	-	-	-	-	-	Articulado	-
N891	-8.100	5.000	2.780	-	-	-	-	-	-	Articulado	-
N892	-8.100	3.250	2.780	-	-	-	-	-	-	Articulado	-
N893	-8.100	1.167	2.780	-	-	-	-	-	-	Articulado	-
N894	-8.700	14.900	3.380	-	-	-	-	-	-	Articulado	-
N895	-9.162	15.000	3.971	-	-	-	-	-	-	Empotrado	-
N896	-9.624	15.000	4.561	-	-	-	-	-	-	Empotrado	-
N897	-18.100	14.900	3.380	-	-	-	-	-	-	Articulado	-
N898	-17.368	15.000	3.544	-	-	-	-	-	-	Empotrado	-
N899	-16.636	15.000	3.707	-	-	-	-	-	-	Empotrado	-
N900	-15.904	15.000	3.871	-	-	-	-	-	-	Empotrado	-
N901	-15.172	15.000	4.035	-	-	-	-	-	-	Empotrado	-
N902	-14.440	15.000	4.198	-	-	-	-	-	-	Empotrado	-
N903	-13.708	15.000	4.362	-	-	-	-	-	-	Empotrado	-
N904	-12.977	15.000	4.526	-	-	-	-	-	-	Empotrado	-
N905	-12.245	15.000	4.689	-	-	-	-	-	-	Empotrado	-
N906	-11.513	15.000	4.853	-	-	-	-	-	-	Empotrado	-
N907	-10.781	15.000	5.017	-	-	-	-	-	-	Empotrado	-
N908	-10.100	14.900	5.169	-	-	-	-	-	-	Empotrado	-
N909	-9.162	14.900	3.971	-	-	-	-	-	-	Empotrado	-
N910	-9.624	14.900	4.561	-	-	-	-	-	-	Empotrado	-
N911	-17.368	14.900	3.544	-	-	-	-	-	-	Empotrado	-
N912	-16.636	14.900	3.707	-	-	-	-	-	-	Empotrado	-
N913	-15.904	14.900	3.871	-	-	-	-	-	-	Empotrado	-
N914	-15.172	14.900	4.035	-	-	-	-	-	-	Empotrado	-
N915	-14.440	14.900	4.198	-	-	-	-	-	-	Empotrado	-
N916	-13.708	14.900	4.362	-	-	-	-	-	-	Empotrado	-



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Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N917	-12.977	14.900	4.526	-	-	-	-	-	-	Empotrado	-
N918	-12.245	14.900	4.689	-	-	-	-	-	-	Empotrado	-
N919	-11.513	14.900	4.853	-	-	-	-	-	-	Empotrado	-
N920	-10.781	14.900	5.017	-	-	-	-	-	-	Empotrado	-
N921	-10.325	13.900	5.035	-	-	-	-	-	-	Empotrado	-
N922	-8.700	13.900	3.380	-	-	-	-	-	-	Articulado	-
N923	-18.100	13.900	3.380	-	-	-	-	-	-	Articulado	-
N924	-17.366	14.000	3.536	-	-	-	-	-	-	Empotrado	-
N925	-16.633	14.000	3.692	-	-	-	-	-	-	Empotrado	-
N926	-15.899	14.000	3.848	-	-	-	-	-	-	Empotrado	-
N927	-15.166	14.000	4.004	-	-	-	-	-	-	Empotrado	-
N928	-14.432	14.000	4.161	-	-	-	-	-	-	Empotrado	-
N929	-13.699	14.000	4.317	-	-	-	-	-	-	Empotrado	-
N930	-12.965	14.000	4.473	-	-	-	-	-	-	Empotrado	-
N931	-12.231	14.000	4.629	-	-	-	-	-	-	Empotrado	-
N932	-11.498	14.000	4.785	-	-	-	-	-	-	Empotrado	-
N933	-10.764	14.000	4.941	-	-	-	-	-	-	Empotrado	-
N934	-9.226	14.000	3.915	-	-	-	-	-	-	Empotrado	-
N935	-9.751	14.000	4.450	-	-	-	-	-	-	Empotrado	-
N936	-17.366	13.900	3.536	-	-	-	-	-	-	Empotrado	-
N937	-16.633	13.900	3.692	-	-	-	-	-	-	Empotrado	-
N938	-15.899	13.900	3.848	-	-	-	-	-	-	Empotrado	-
N939	-15.166	13.900	4.004	-	-	-	-	-	-	Empotrado	-
N940	-14.432	13.900	4.161	-	-	-	-	-	-	Empotrado	-
N941	-13.699	13.900	4.317	-	-	-	-	-	-	Empotrado	-
N942	-12.965	13.900	4.473	-	-	-	-	-	-	Empotrado	-
N943	-12.231	13.900	4.629	-	-	-	-	-	-	Empotrado	-
N944	-11.498	13.900	4.785	-	-	-	-	-	-	Empotrado	-
N945	-10.764	13.900	4.941	-	-	-	-	-	-	Empotrado	-
N946	-9.226	13.900	3.915	-	-	-	-	-	-	Empotrado	-
N947	-9.751	13.900	4.450	-	-	-	-	-	-	Empotrado	-
N948	-8.700	12.900	3.380	-	-	-	-	-	-	Articulado	-
N949	-18.100	12.900	3.380	-	-	-	-	-	-	Articulado	-
N950	-10.551	12.900	4.870	-	-	-	-	-	-	Empotrado	-
N951	-10.776	11.900	4.766	-	-	-	-	-	-	Empotrado	-
N952	-11.002	10.900	4.621	-	-	-	-	-	-	Empotrado	-
N953	-11.227	9.900	4.517	-	-	-	-	-	-	Empotrado	-
N954	-11.452	8.900	4.372	-	-	-	-	-	-	Empotrado	-
N955	-11.678	7.900	4.269	-	-	-	-	-	-	Empotrado	-
N956	-11.903	6.900	4.118	-	-	-	-	-	-	Empotrado	-
N957	-12.128	5.900	4.002	-	-	-	-	-	-	Empotrado	-
N958	-12.354	4.900	3.875	-	-	-	-	-	-	Empotrado	-
N959	-12.579	3.900	3.755	-	-	-	-	-	-	Empotrado	-
N960	-13.030	2.100	3.502	-	-	-	-	-	-	Empotrado	-
N961	-13.255	1.267	3.380	-	-	-	-	-	-	Empotrado	-



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Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		Dx
N962	-8.700	11.900	3.380	-	-	-	-	-	-	Articulado	-
N963	-8.700	10.900	3.380	-	-	-	-	-	-	Articulado	-
N964	-8.700	9.900	3.380	-	-	-	-	-	-	Articulado	-
N965	-8.700	8.900	3.380	-	-	-	-	-	-	Articulado	-
N966	-8.700	7.900	3.380	-	-	-	-	-	-	Articulado	-
N967	-8.700	6.900	3.380	-	-	-	-	-	-	Articulado	-
N968	-8.700	5.900	3.380	-	-	-	-	-	-	Articulado	-
N969	-8.700	4.900	3.380	-	-	-	-	-	-	Articulado	-
N970	-8.700	3.900	3.380	-	-	-	-	-	-	Articulado	-
N971	-8.700	2.900	3.380	-	-	-	-	-	-	Articulado	-
N972	-8.700	1.267	3.380	-	-	-	-	-	-	Articulado	-
N973	-18.100	11.900	3.380	-	-	-	-	-	-	Articulado	-
N974	-18.100	10.900	3.380	-	-	-	-	-	-	Articulado	-
N975	-18.100	9.900	3.380	-	-	-	-	-	-	Articulado	-
N976	-18.100	8.900	3.380	-	-	-	-	-	-	Articulado	-
N977	-18.100	7.900	3.380	-	-	-	-	-	-	Articulado	-
N978	-18.100	6.900	3.380	-	-	-	-	-	-	Articulado	-
N979	-18.100	5.900	3.380	-	-	-	-	-	-	Articulado	-
N980	-18.100	4.900	3.380	-	-	-	-	-	-	Articulado	-
N981	-18.100	3.900	3.380	-	-	-	-	-	-	Articulado	-
N982	-18.100	2.900	3.380	-	-	-	-	-	-	Articulado	-
N983	-18.100	2.100	3.380	-	-	-	-	-	-	Articulado	-
N984	-12.805	2.900	3.625	-	-	-	-	-	-	Empotrado	-
N985	-8.700	2.100	3.380	-	-	-	-	-	-	Articulado	-
N986	-18.100	1.267	3.380	-	-	-	-	-	-	Articulado	-
N987	-9.284	13.000	3.850	-	-	-	-	-	-	Empotrado	-
N988	-9.868	13.000	4.321	-	-	-	-	-	-	Empotrado	-
N989	-17.364	13.000	3.525	-	-	-	-	-	-	Empotrado	-
N990	-16.628	13.000	3.670	-	-	-	-	-	-	Empotrado	-
N991	-15.893	13.000	3.816	-	-	-	-	-	-	Empotrado	-
N992	-15.157	13.000	3.961	-	-	-	-	-	-	Empotrado	-
N993	-14.421	13.000	4.106	-	-	-	-	-	-	Empotrado	-
N994	-13.685	13.000	4.251	-	-	-	-	-	-	Empotrado	-
N995	-12.949	13.000	4.397	-	-	-	-	-	-	Empotrado	-
N996	-12.214	13.000	4.542	-	-	-	-	-	-	Empotrado	-
N997	-11.478	13.000	4.687	-	-	-	-	-	-	Empotrado	-
N998	-9.284	12.900	3.850	-	-	-	-	-	-	Empotrado	-
N999	-9.868	12.900	4.321	-	-	-	-	-	-	Empotrado	-
N1000	-17.364	12.900	3.525	-	-	-	-	-	-	Empotrado	-
N1001	-16.628	12.900	3.670	-	-	-	-	-	-	Empotrado	-
N1002	-15.893	12.900	3.816	-	-	-	-	-	-	Empotrado	-
N1003	-15.157	12.900	3.961	-	-	-	-	-	-	Empotrado	-
N1004	-14.421	12.900	4.106	-	-	-	-	-	-	Empotrado	-
N1005	-13.685	12.900	4.251	-	-	-	-	-	-	Empotrado	-
N1006	-12.949	12.900	4.397	-	-	-	-	-	-	Empotrado	-



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Nudos											
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	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N1007	-12.214	12.900	4.542	-	-	-	-	-	-	Empotrado	-
N1008	-11.478	12.900	4.687	-	-	-	-	-	-	Empotrado	-
N1009	-9.324	12.000	3.796	-	-	-	-	-	-	Empotrado	-
N1010	-17.363	12.000	3.519	-	-	-	-	-	-	Empotrado	-
N1011	-16.626	12.000	3.659	-	-	-	-	-	-	Empotrado	-
N1012	-15.889	12.000	3.798	-	-	-	-	-	-	Empotrado	-
N1013	-15.152	12.000	3.938	-	-	-	-	-	-	Empotrado	-
N1014	-14.415	12.000	4.077	-	-	-	-	-	-	Empotrado	-
N1015	-13.678	12.000	4.217	-	-	-	-	-	-	Empotrado	-
N1016	-12.942	12.000	4.356	-	-	-	-	-	-	Empotrado	-
N1017	-12.205	12.000	4.495	-	-	-	-	-	-	Empotrado	-
N1018	-11.468	12.000	4.635	-	-	-	-	-	-	Empotrado	-
N1019	-9.324	11.900	3.796	-	-	-	-	-	-	Empotrado	-
N1020	-9.948	11.900	4.213	-	-	-	-	-	-	Empotrado	-
N1021	-17.363	11.900	3.519	-	-	-	-	-	-	Empotrado	-
N1022	-16.626	11.900	3.659	-	-	-	-	-	-	Empotrado	-
N1023	-15.889	11.900	3.798	-	-	-	-	-	-	Empotrado	-
N1024	-15.152	11.900	3.938	-	-	-	-	-	-	Empotrado	-
N1025	-14.415	11.900	4.077	-	-	-	-	-	-	Empotrado	-
N1026	-13.678	11.900	4.217	-	-	-	-	-	-	Empotrado	-
N1027	-12.942	11.900	4.356	-	-	-	-	-	-	Empotrado	-
N1028	-12.205	11.900	4.495	-	-	-	-	-	-	Empotrado	-
N1029	-11.468	11.900	4.635	-	-	-	-	-	-	Empotrado	-
N1030	-9.360	11.000	3.736	-	-	-	-	-	-	Empotrado	-
N1031	-10.020	11.000	4.092	-	-	-	-	-	-	Empotrado	-
N1032	-10.680	11.000	4.448	-	-	-	-	-	-	Empotrado	-
N1033	-17.361	11.000	3.509	-	-	-	-	-	-	Empotrado	-
N1034	-16.622	11.000	3.638	-	-	-	-	-	-	Empotrado	-
N1035	-15.884	11.000	3.767	-	-	-	-	-	-	Empotrado	-
N1036	-15.145	11.000	3.897	-	-	-	-	-	-	Empotrado	-
N1037	-14.406	11.000	4.026	-	-	-	-	-	-	Empotrado	-
N1038	-13.667	11.000	4.155	-	-	-	-	-	-	Empotrado	-
N1039	-12.928	11.000	4.284	-	-	-	-	-	-	Empotrado	-
N1040	-12.190	11.000	4.413	-	-	-	-	-	-	Empotrado	-
N1041	-11.451	11.000	4.542	-	-	-	-	-	-	Empotrado	-
N1042	-9.360	10.900	3.736	-	-	-	-	-	-	Empotrado	-
N1043	-10.020	10.900	4.092	-	-	-	-	-	-	Empotrado	-
N1044	-10.680	10.900	4.448	-	-	-	-	-	-	Empotrado	-
N1045	-17.361	10.900	3.509	-	-	-	-	-	-	Empotrado	-
N1046	-16.622	10.900	3.638	-	-	-	-	-	-	Empotrado	-
N1047	-15.884	10.900	3.767	-	-	-	-	-	-	Empotrado	-
N1048	-15.145	10.900	3.897	-	-	-	-	-	-	Empotrado	-
N1049	-14.406	10.900	4.026	-	-	-	-	-	-	Empotrado	-
N1050	-13.667	10.900	4.155	-	-	-	-	-	-	Empotrado	-
N1051	-12.928	10.900	4.284	-	-	-	-	-	-	Empotrado	-



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Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N1052	-12.190	10.900	4.413	-	-	-	-	-	-	Empotrado	-
N1053	-11.451	10.900	4.542	-	-	-	-	-	-	Empotrado	-
N1054	-9.384	10.000	3.688	-	-	-	-	-	-	Empotrado	-
N1055	-10.068	10.000	3.996	-	-	-	-	-	-	Empotrado	-
N1056	-10.752	10.000	4.303	-	-	-	-	-	-	Empotrado	-
N1057	-17.360	10.000	3.502	-	-	-	-	-	-	Empotrado	-
N1058	-16.620	10.000	3.625	-	-	-	-	-	-	Empotrado	-
N1059	-15.880	10.000	3.748	-	-	-	-	-	-	Empotrado	-
N1060	-15.140	10.000	3.870	-	-	-	-	-	-	Empotrado	-
N1061	-14.400	10.000	3.992	-	-	-	-	-	-	Empotrado	-
N1062	-13.660	10.000	4.115	-	-	-	-	-	-	Empotrado	-
N1063	-12.920	10.000	4.237	-	-	-	-	-	-	Empotrado	-
N1064	-12.180	10.000	4.360	-	-	-	-	-	-	Empotrado	-
N1065	-9.384	9.900	3.688	-	-	-	-	-	-	Empotrado	-
N1066	-10.068	9.900	3.996	-	-	-	-	-	-	Empotrado	-
N1067	-10.752	9.900	4.303	-	-	-	-	-	-	Empotrado	-
N1068	-17.360	9.900	3.502	-	-	-	-	-	-	Empotrado	-
N1069	-16.620	9.900	3.625	-	-	-	-	-	-	Empotrado	-
N1070	-15.880	9.900	3.748	-	-	-	-	-	-	Empotrado	-
N1071	-15.140	9.900	3.870	-	-	-	-	-	-	Empotrado	-
N1072	-14.400	9.900	3.992	-	-	-	-	-	-	Empotrado	-
N1073	-13.660	9.900	4.115	-	-	-	-	-	-	Empotrado	-
N1074	-12.920	9.900	4.237	-	-	-	-	-	-	Empotrado	-
N1075	-12.180	9.900	4.360	-	-	-	-	-	-	Empotrado	-
N1076	-9.406	9.000	3.634	-	-	-	-	-	-	Empotrado	-
N1077	-10.111	9.000	3.889	-	-	-	-	-	-	Empotrado	-
N1078	-10.817	9.000	4.143	-	-	-	-	-	-	Empotrado	-
N1079	-17.358	9.000	3.491	-	-	-	-	-	-	Empotrado	-
N1080	-16.616	9.000	3.601	-	-	-	-	-	-	Empotrado	-
N1081	-15.875	9.000	3.712	-	-	-	-	-	-	Empotrado	-
N1082	-15.133	9.000	3.823	-	-	-	-	-	-	Empotrado	-
N1083	-14.391	9.000	3.934	-	-	-	-	-	-	Empotrado	-
N1084	-13.649	9.000	4.044	-	-	-	-	-	-	Empotrado	-
N1085	-12.908	9.000	4.155	-	-	-	-	-	-	Empotrado	-
N1086	-12.166	9.000	4.266	-	-	-	-	-	-	Empotrado	-
N1087	-9.406	8.900	3.634	-	-	-	-	-	-	Empotrado	-
N1088	-10.111	8.900	3.889	-	-	-	-	-	-	Empotrado	-
N1089	-10.817	8.900	4.143	-	-	-	-	-	-	Empotrado	-
N1090	-17.358	8.900	3.491	-	-	-	-	-	-	Empotrado	-
N1091	-16.616	8.900	3.601	-	-	-	-	-	-	Empotrado	-
N1092	-15.875	8.900	3.712	-	-	-	-	-	-	Empotrado	-
N1093	-15.133	8.900	3.823	-	-	-	-	-	-	Empotrado	-
N1094	-14.391	8.900	3.934	-	-	-	-	-	-	Empotrado	-
N1095	-13.649	8.900	4.044	-	-	-	-	-	-	Empotrado	-
N1096	-12.908	8.900	4.155	-	-	-	-	-	-	Empotrado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		Dx
N1097	-12.166	8.900	4.266	-	-	-	-	-	-	Empotrado	-
N1098	-9.419	8.000	3.595	-	-	-	-	-	-	Empotrado	-
N1099	-10.137	8.000	3.809	-	-	-	-	-	-	Empotrado	-
N1100	-10.856	8.000	4.024	-	-	-	-	-	-	Empotrado	-
N1101	-17.357	8.000	3.483	-	-	-	-	-	-	Empotrado	-
N1102	-16.614	8.000	3.586	-	-	-	-	-	-	Empotrado	-
N1103	-15.871	8.000	3.688	-	-	-	-	-	-	Empotrado	-
N1104	-15.128	8.000	3.791	-	-	-	-	-	-	Empotrado	-
N1105	-14.385	8.000	3.894	-	-	-	-	-	-	Empotrado	-
N1106	-13.643	8.000	3.997	-	-	-	-	-	-	Empotrado	-
N1107	-12.900	8.000	4.100	-	-	-	-	-	-	Empotrado	-
N1108	-12.157	8.000	4.203	-	-	-	-	-	-	Empotrado	-
N1109	-9.419	7.900	3.595	-	-	-	-	-	-	Empotrado	-
N1110	-10.137	7.900	3.809	-	-	-	-	-	-	Empotrado	-
N1111	-10.856	7.900	4.024	-	-	-	-	-	-	Empotrado	-
N1112	-17.357	7.900	3.483	-	-	-	-	-	-	Empotrado	-
N1113	-16.614	7.900	3.586	-	-	-	-	-	-	Empotrado	-
N1114	-15.871	7.900	3.688	-	-	-	-	-	-	Empotrado	-
N1115	-15.128	7.900	3.791	-	-	-	-	-	-	Empotrado	-
N1116	-14.385	7.900	3.894	-	-	-	-	-	-	Empotrado	-
N1117	-13.643	7.900	3.997	-	-	-	-	-	-	Empotrado	-
N1118	-12.900	7.900	4.100	-	-	-	-	-	-	Empotrado	-
N1119	-12.157	7.900	4.203	-	-	-	-	-	-	Empotrado	-
N1120	-9.431	7.000	3.548	-	-	-	-	-	-	Empotrado	-
N1121	-10.162	7.000	3.717	-	-	-	-	-	-	Empotrado	-
N1122	-10.893	7.000	3.885	-	-	-	-	-	-	Empotrado	-
N1123	-17.355	7.000	3.469	-	-	-	-	-	-	Empotrado	-
N1124	-16.611	7.000	3.557	-	-	-	-	-	-	Empotrado	-
N1125	-15.866	7.000	3.646	-	-	-	-	-	-	Empotrado	-
N1126	-15.121	7.000	3.735	-	-	-	-	-	-	Empotrado	-
N1127	-14.376	7.000	3.823	-	-	-	-	-	-	Empotrado	-
N1128	-13.632	7.000	3.912	-	-	-	-	-	-	Empotrado	-
N1129	-12.887	7.000	4.000	-	-	-	-	-	-	Empotrado	-
N1130	-9.431	6.900	3.548	-	-	-	-	-	-	Empotrado	-
N1131	-10.162	6.900	3.717	-	-	-	-	-	-	Empotrado	-
N1132	-10.893	6.900	3.885	-	-	-	-	-	-	Empotrado	-
N1133	-17.355	6.900	3.469	-	-	-	-	-	-	Empotrado	-
N1134	-16.611	6.900	3.557	-	-	-	-	-	-	Empotrado	-
N1135	-15.866	6.900	3.646	-	-	-	-	-	-	Empotrado	-
N1136	-15.121	6.900	3.735	-	-	-	-	-	-	Empotrado	-
N1137	-14.376	6.900	3.823	-	-	-	-	-	-	Empotrado	-
N1138	-13.632	6.900	3.912	-	-	-	-	-	-	Empotrado	-
N1139	-12.887	6.900	4.000	-	-	-	-	-	-	Empotrado	-
N1140	-9.438	6.000	3.514	-	-	-	-	-	-	Empotrado	-
N1141	-10.176	6.000	3.648	-	-	-	-	-	-	Empotrado	-



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VESTUARIOS RANILLAS

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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		Dx
N1142	-10.914	6.000	3.782	-	-	-	-	-	-	Empotrado	-
N1143	-11.652	6.000	3.915	-	-	-	-	-	-	Empotrado	-
N1144	-17.354	6.000	3.458	-	-	-	-	-	-	Empotrado	-
N1145	-16.608	6.000	3.536	-	-	-	-	-	-	Empotrado	-
N1146	-15.862	6.000	3.614	-	-	-	-	-	-	Empotrado	-
N1147	-15.116	6.000	3.691	-	-	-	-	-	-	Empotrado	-
N1148	-14.370	6.000	3.769	-	-	-	-	-	-	Empotrado	-
N1149	-13.624	6.000	3.846	-	-	-	-	-	-	Empotrado	-
N1150	-12.878	6.000	3.924	-	-	-	-	-	-	Empotrado	-
N1151	-9.438	5.900	3.514	-	-	-	-	-	-	Empotrado	-
N1152	-10.176	5.900	3.648	-	-	-	-	-	-	Empotrado	-
N1153	-10.914	5.900	3.782	-	-	-	-	-	-	Empotrado	-
N1154	-11.652	5.900	3.915	-	-	-	-	-	-	Empotrado	-
N1155	-17.354	5.900	3.458	-	-	-	-	-	-	Empotrado	-
N1156	-16.608	5.900	3.536	-	-	-	-	-	-	Empotrado	-
N1157	-15.862	5.900	3.614	-	-	-	-	-	-	Empotrado	-
N1158	-15.116	5.900	3.691	-	-	-	-	-	-	Empotrado	-
N1159	-14.370	5.900	3.769	-	-	-	-	-	-	Empotrado	-
N1160	-13.624	5.900	3.846	-	-	-	-	-	-	Empotrado	-
N1161	-12.878	5.900	3.924	-	-	-	-	-	-	Empotrado	-
N1162	-9.443	5.000	3.481	-	-	-	-	-	-	Empotrado	-
N1163	-10.186	5.000	3.582	-	-	-	-	-	-	Empotrado	-
N1164	-10.930	5.000	3.682	-	-	-	-	-	-	Empotrado	-
N1165	-11.673	5.000	3.783	-	-	-	-	-	-	Empotrado	-
N1166	-17.353	5.000	3.444	-	-	-	-	-	-	Empotrado	-
N1167	-16.606	5.000	3.509	-	-	-	-	-	-	Empotrado	-
N1168	-15.858	5.000	3.574	-	-	-	-	-	-	Empotrado	-
N1169	-15.111	5.000	3.638	-	-	-	-	-	-	Empotrado	-
N1170	-14.364	5.000	3.703	-	-	-	-	-	-	Empotrado	-
N1171	-13.617	5.000	3.767	-	-	-	-	-	-	Empotrado	-
N1172	-12.869	5.000	3.831	-	-	-	-	-	-	Empotrado	-
N1173	-9.443	4.900	3.481	-	-	-	-	-	-	Empotrado	-
N1174	-10.186	4.900	3.582	-	-	-	-	-	-	Empotrado	-
N1175	-10.930	4.900	3.682	-	-	-	-	-	-	Empotrado	-
N1176	-11.673	4.900	3.783	-	-	-	-	-	-	Empotrado	-
N1177	-17.353	4.900	3.444	-	-	-	-	-	-	Empotrado	-
N1178	-16.606	4.900	3.509	-	-	-	-	-	-	Empotrado	-
N1179	-15.858	4.900	3.574	-	-	-	-	-	-	Empotrado	-
N1180	-15.111	4.900	3.638	-	-	-	-	-	-	Empotrado	-
N1181	-14.364	4.900	3.703	-	-	-	-	-	-	Empotrado	-
N1182	-13.617	4.900	3.767	-	-	-	-	-	-	Empotrado	-
N1183	-12.869	4.900	3.831	-	-	-	-	-	-	Empotrado	-
N1184	-9.447	4.000	3.452	-	-	-	-	-	-	Empotrado	-
N1185	-10.193	4.000	3.524	-	-	-	-	-	-	Empotrado	-
N1186	-10.940	4.000	3.596	-	-	-	-	-	-	Empotrado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N1187	-11.686	4.000	3.668	-	-	-	-	-	-	Empotrado	-
N1188	-17.352	4.000	3.431	-	-	-	-	-	-	Empotrado	-
N1189	-16.603	4.000	3.481	-	-	-	-	-	-	Empotrado	-
N1190	-15.855	4.000	3.532	-	-	-	-	-	-	Empotrado	-
N1191	-15.107	4.000	3.583	-	-	-	-	-	-	Empotrado	-
N1192	-14.359	4.000	3.634	-	-	-	-	-	-	Empotrado	-
N1193	-13.610	4.000	3.685	-	-	-	-	-	-	Empotrado	-
N1194	-9.447	3.900	3.452	-	-	-	-	-	-	Empotrado	-
N1195	-10.193	3.900	3.524	-	-	-	-	-	-	Empotrado	-
N1196	-10.940	3.900	3.596	-	-	-	-	-	-	Empotrado	-
N1197	-11.686	3.900	3.668	-	-	-	-	-	-	Empotrado	-
N1198	-17.352	3.900	3.431	-	-	-	-	-	-	Empotrado	-
N1199	-16.603	3.900	3.481	-	-	-	-	-	-	Empotrado	-
N1200	-15.855	3.900	3.532	-	-	-	-	-	-	Empotrado	-
N1201	-15.107	3.900	3.583	-	-	-	-	-	-	Empotrado	-
N1202	-14.359	3.900	3.634	-	-	-	-	-	-	Empotrado	-
N1203	-13.610	3.900	3.685	-	-	-	-	-	-	Empotrado	-
N1204	-12.862	3.900	3.736	-	-	-	-	-	-	Empotrado	-
N1205	-12.862	4.000	3.736	-	-	-	-	-	-	Empotrado	-
N1206	-9.449	3.000	3.425	-	-	-	-	-	-	Empotrado	-
N1207	-10.197	3.000	3.469	-	-	-	-	-	-	Empotrado	-
N1208	-10.946	3.000	3.514	-	-	-	-	-	-	Empotrado	-
N1209	-11.695	3.000	3.559	-	-	-	-	-	-	Empotrado	-
N1210	-12.443	3.000	3.604	-	-	-	-	-	-	Empotrado	-
N1211	-17.352	3.000	3.415	-	-	-	-	-	-	Empotrado	-
N1212	-16.603	3.000	3.449	-	-	-	-	-	-	Empotrado	-
N1213	-15.855	3.000	3.484	-	-	-	-	-	-	Empotrado	-
N1214	-15.107	3.000	3.519	-	-	-	-	-	-	Empotrado	-
N1215	-14.359	3.000	3.554	-	-	-	-	-	-	Empotrado	-
N1216	-13.610	3.000	3.588	-	-	-	-	-	-	Empotrado	-
N1217	-9.449	2.900	3.425	-	-	-	-	-	-	Empotrado	-
N1218	-10.197	2.900	3.469	-	-	-	-	-	-	Empotrado	-
N1219	-10.946	2.900	3.514	-	-	-	-	-	-	Empotrado	-
N1220	-11.695	2.900	3.559	-	-	-	-	-	-	Empotrado	-
N1221	-12.443	2.900	3.604	-	-	-	-	-	-	Empotrado	-
N1222	-17.352	2.900	3.415	-	-	-	-	-	-	Empotrado	-
N1223	-16.603	2.900	3.449	-	-	-	-	-	-	Empotrado	-
N1224	-15.855	2.900	3.484	-	-	-	-	-	-	Empotrado	-
N1225	-15.107	2.900	3.519	-	-	-	-	-	-	Empotrado	-
N1226	-14.359	2.900	3.554	-	-	-	-	-	-	Empotrado	-
N1227	-13.610	2.900	3.588	-	-	-	-	-	-	Empotrado	-
N1228	-9.450	2.100	3.401	-	-	-	-	-	-	Empotrado	-
N1229	-10.199	2.100	3.422	-	-	-	-	-	-	Empotrado	-
N1230	-10.949	2.100	3.443	-	-	-	-	-	-	Empotrado	-
N1231	-11.699	2.100	3.464	-	-	-	-	-	-	Empotrado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N1232	-12.449	2.100	3.486	-	-	-	-	-	-	Empotrado	-
N1233	-17.350	2.100	3.398	-	-	-	-	-	-	Empotrado	-
N1234	-16.600	2.100	3.416	-	-	-	-	-	-	Empotrado	-
N1235	-15.851	2.100	3.434	-	-	-	-	-	-	Empotrado	-
N1236	-15.101	2.100	3.452	-	-	-	-	-	-	Empotrado	-
N1237	-14.351	2.100	3.470	-	-	-	-	-	-	Empotrado	-
N1238	-13.601	2.100	3.488	-	-	-	-	-	-	Empotrado	-
N1239	-9.450	2.000	3.401	-	-	-	-	-	-	Empotrado	-
N1240	-10.199	2.000	3.422	-	-	-	-	-	-	Empotrado	-
N1241	-10.949	2.000	3.443	-	-	-	-	-	-	Empotrado	-
N1242	-11.699	2.000	3.464	-	-	-	-	-	-	Empotrado	-
N1243	-12.449	2.000	3.486	-	-	-	-	-	-	Empotrado	-
N1244	-17.350	2.000	3.398	-	-	-	-	-	-	Empotrado	-
N1245	-16.600	2.000	3.416	-	-	-	-	-	-	Empotrado	-
N1246	-15.851	2.000	3.434	-	-	-	-	-	-	Empotrado	-
N1247	-15.101	2.000	3.452	-	-	-	-	-	-	Empotrado	-
N1248	-14.351	2.000	3.470	-	-	-	-	-	-	Empotrado	-
N1249	-13.601	2.000	3.488	-	-	-	-	-	-	Empotrado	-
N1250	-17.350	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1251	-16.600	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1252	-15.851	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1253	-15.101	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1254	-14.351	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1255	-13.601	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1256	-17.350	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1257	-16.600	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1258	-15.851	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1259	-15.101	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1260	-14.351	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1261	-13.601	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1262	-9.450	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1263	-10.199	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1264	-10.949	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1265	-11.699	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1266	-12.449	1.167	3.380	-	-	-	-	-	-	Empotrado	-
N1267	-9.450	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1268	-10.199	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1269	-10.949	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1270	-11.699	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1271	-12.449	1.267	3.380	-	-	-	-	-	-	Empotrado	-
N1272	-9.948	12.000	4.213	-	-	-	-	-	-	Empotrado	-
N1273	-17.512	7.000	3.130	-	-	-	-	-	-	Articulado	-
N1274	-16.924	7.000	3.130	-	-	-	-	-	-	Articulado	-
N1275	-16.336	7.000	3.130	-	-	-	-	-	-	Articulado	-
N1276	-15.748	7.000	3.130	-	-	-	-	-	-	Articulado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N1277	-15.160	7.000	3.130	-	-	-	-	-	-	Articulado	-
N1278	-14.572	7.000	3.130	-	-	-	-	-	-	Articulado	-
N1279	-13.984	7.000	3.130	-	-	-	-	-	-	Articulado	-
N1280	-17.512	2.200	3.130	-	-	-	-	-	-	Articulado	-
N1281	-17.512	4.000	3.130	-	-	-	-	-	-	Articulado	-
N1282	-17.512	5.800	3.130	-	-	-	-	-	-	Articulado	-
N1283	-16.924	5.800	3.130	-	-	-	-	-	-	Articulado	-
N1284	-16.336	5.800	3.130	-	-	-	-	-	-	Articulado	-
N1285	-15.748	5.800	3.130	-	-	-	-	-	-	Articulado	-
N1286	-15.160	5.800	3.130	-	-	-	-	-	-	Articulado	-
N1287	-14.572	5.800	3.130	-	-	-	-	-	-	Articulado	-
N1288	-13.984	5.800	3.130	-	-	-	-	-	-	Articulado	-
N1289	-13.984	4.000	3.130	-	-	-	-	-	-	Articulado	-
N1290	-14.572	4.000	3.130	-	-	-	-	-	-	Articulado	-
N1291	-15.160	4.000	3.130	-	-	-	-	-	-	Articulado	-
N1292	-15.748	4.000	3.130	-	-	-	-	-	-	Articulado	-
N1293	-16.336	4.000	3.130	-	-	-	-	-	-	Articulado	-
N1294	-16.924	4.000	3.130	-	-	-	-	-	-	Articulado	-
N1295	-16.924	2.200	3.130	-	-	-	-	-	-	Articulado	-
N1296	-16.336	2.200	3.130	-	-	-	-	-	-	Articulado	-
N1297	-15.748	2.200	3.130	-	-	-	-	-	-	Articulado	-
N1298	-15.160	2.200	3.130	-	-	-	-	-	-	Articulado	-
N1299	-14.572	2.200	3.130	-	-	-	-	-	-	Articulado	-
N1300	-13.984	2.200	3.130	-	-	-	-	-	-	Articulado	-
N1301	-17.512	10.000	3.130	-	-	-	-	-	-	Articulado	-
N1302	-16.924	10.000	3.130	-	-	-	-	-	-	Articulado	-
N1303	-16.336	10.000	3.130	-	-	-	-	-	-	Articulado	-
N1304	-15.748	10.000	3.130	-	-	-	-	-	-	Articulado	-
N1305	-15.160	10.000	3.130	-	-	-	-	-	-	Articulado	-
N1306	-14.572	10.000	3.130	-	-	-	-	-	-	Articulado	-
N1307	-13.984	10.000	3.130	-	-	-	-	-	-	Articulado	-
N1308	-17.512	14.500	3.130	-	-	-	-	-	-	Articulado	-
N1309	-16.924	14.500	3.130	-	-	-	-	-	-	Articulado	-
N1310	-16.336	14.500	3.130	-	-	-	-	-	-	Articulado	-
N1311	-15.748	14.500	3.130	-	-	-	-	-	-	Articulado	-
N1312	-15.160	14.500	3.130	-	-	-	-	-	-	Articulado	-
N1313	-14.572	14.500	3.130	-	-	-	-	-	-	Articulado	-
N1314	-13.984	14.500	3.130	-	-	-	-	-	-	Articulado	-
N1315	-13.984	13.000	3.130	-	-	-	-	-	-	Articulado	-
N1316	-14.572	13.000	3.130	-	-	-	-	-	-	Articulado	-
N1317	-15.160	13.000	3.130	-	-	-	-	-	-	Articulado	-
N1318	-15.748	13.000	3.130	-	-	-	-	-	-	Articulado	-
N1319	-16.336	13.000	3.130	-	-	-	-	-	-	Articulado	-
N1320	-16.924	13.000	3.130	-	-	-	-	-	-	Articulado	-
N1321	-17.512	13.000	3.130	-	-	-	-	-	-	Articulado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N1322	-17.512	11.200	3.130	-	-	-	-	-	-	Articulado	-
N1323	-16.924	11.200	3.130	-	-	-	-	-	-	Articulado	-
N1324	-16.336	11.200	3.130	-	-	-	-	-	-	Articulado	-
N1325	-15.748	11.200	3.130	-	-	-	-	-	-	Articulado	-
N1326	-15.160	11.200	3.130	-	-	-	-	-	-	Articulado	-
N1327	-14.572	11.200	3.130	-	-	-	-	-	-	Articulado	-
N1328	-13.984	11.200	3.130	-	-	-	-	-	-	Articulado	-
N1329	-18.100	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1330	-18.100	2.800	1.700	-	-	-	-	-	-	Articulado	-
N1331	-16.336	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1332	-18.100	13.500	1.700	-	-	-	-	-	-	Articulado	-
N1333	-18.100	15.000	1.700	-	-	-	-	-	-	Articulado	-
N1334	-18.100	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1335	-16.336	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1336	-13.400	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1337	-13.400	15.000	1.700	-	-	-	-	-	-	Articulado	-
N1338	-18.100	13.000	1.700	-	-	-	-	-	-	Articulado	-
N1339	-18.100	14.500	1.700	-	-	-	-	-	-	Articulado	-
N1340	-13.400	14.000	1.700	-	-	-	-	-	-	Articulado	-
N1341	-13.400	7.000	1.700	-	-	-	-	-	-	Articulado	-
N1342	-13.400	8.000	1.700	-	-	-	-	-	-	Articulado	-
N1343	-13.400	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1344	-13.400	11.200	1.700	-	-	-	-	-	-	Articulado	-
N1345	-13.400	13.000	1.700	-	-	-	-	-	-	Articulado	-
N1346	-13.400	2.800	1.700	-	-	-	-	-	-	Articulado	-
N1347	-13.984	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1348	-14.572	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1349	-15.160	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1350	-15.748	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1351	-16.924	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1352	-17.512	1.167	1.700	-	-	-	-	-	-	Articulado	-
N1353	-18.100	1.600	1.700	-	-	-	-	-	-	Articulado	-
N1354	-18.100	2.200	1.700	-	-	-	-	-	-	Articulado	-
N1355	-18.100	3.400	1.700	-	-	-	-	-	-	Articulado	-
N1356	-18.100	4.000	1.700	-	-	-	-	-	-	Articulado	-
N1357	-18.100	4.600	1.700	-	-	-	-	-	-	Articulado	-
N1358	-18.100	5.200	1.700	-	-	-	-	-	-	Articulado	-
N1359	-18.100	5.800	1.700	-	-	-	-	-	-	Articulado	-
N1360	-18.100	6.400	1.700	-	-	-	-	-	-	Articulado	-
N1361	-18.100	7.000	1.700	-	-	-	-	-	-	Articulado	-
N1362	-18.100	7.500	1.700	-	-	-	-	-	-	Articulado	-
N1363	-18.100	8.000	1.700	-	-	-	-	-	-	Articulado	-
N1364	-18.100	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1365	-18.100	9.000	1.700	-	-	-	-	-	-	Articulado	-
N1366	-18.100	9.500	1.700	-	-	-	-	-	-	Articulado	-



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Nudos											
Referencia	Coordenadas			Vinculación exterior						Vinculación interior	Ligaduras
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z		
N1367	-18.100	10.000	1.700	-	-	-	-	-	-	Articulado	-
N1368	-18.100	10.600	1.700	-	-	-	-	-	-	Articulado	-
N1369	-18.100	11.200	1.700	-	-	-	-	-	-	Articulado	-
N1370	-18.100	11.800	1.700	-	-	-	-	-	-	Articulado	-
N1371	-18.100	12.400	1.700	-	-	-	-	-	-	Articulado	-
N1372	-18.100	15.500	1.700	-	-	-	-	-	-	Articulado	-
N1373	-18.100	14.000	1.700	-	-	-	-	-	-	Articulado	-
N1374	-17.512	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1375	-16.924	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1376	-15.748	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1377	-15.160	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1378	-14.572	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1379	-13.984	15.867	1.700	-	-	-	-	-	-	Articulado	-
N1380	-13.400	1.600	1.700	-	-	-	-	-	-	Articulado	-
N1381	-13.400	2.200	1.700	-	-	-	-	-	-	Articulado	-
N1382	-13.400	3.400	1.700	-	-	-	-	-	-	Articulado	-
N1383	-13.400	15.500	1.700	-	-	-	-	-	-	Articulado	-
N1384	-13.400	13.500	1.700	-	-	-	-	-	-	Articulado	-
N1385	-13.400	12.400	1.700	-	-	-	-	-	-	Articulado	-
N1386	-13.400	11.800	1.700	-	-	-	-	-	-	Articulado	-
N1387	-13.400	10.600	1.700	-	-	-	-	-	-	Articulado	-
N1388	-13.400	10.000	1.700	-	-	-	-	-	-	Articulado	-
N1389	-13.400	9.500	1.700	-	-	-	-	-	-	Articulado	-
N1390	-13.400	9.000	1.700	-	-	-	-	-	-	Articulado	-
N1391	-13.400	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1392	-13.400	6.400	1.700	-	-	-	-	-	-	Articulado	-
N1393	-13.400	5.800	1.700	-	-	-	-	-	-	Articulado	-
N1394	-13.400	5.200	1.700	-	-	-	-	-	-	Articulado	-
N1395	-13.400	4.600	1.700	-	-	-	-	-	-	Articulado	-
N1396	-13.400	4.000	1.700	-	-	-	-	-	-	Articulado	-
N1397	-16.336	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1398	-13.984	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1399	-14.572	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1400	-15.160	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1401	-15.748	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1402	-16.924	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1403	-17.512	8.500	1.700	-	-	-	-	-	-	Articulado	-
N1404	-6.351	-5.000	1.800	-	-	-	-	-	-	Articulado	-
N1405	-6.750	-5.000	1.800	-	-	-	-	-	-	Articulado	-
N1406	-7.425	-5.000	1.800	-	-	-	-	-	-	Articulado	-
N1407	-6.351	0.000	1.800	-	-	-	-	-	-	Articulado	-

**2.1.2.- Barras****2.1.2.1.- Materiales utilizados**

Materiales utilizados							
Material		E (kp/cm ²)	ν	G (kp/cm ²)	f_y (kp/cm ²)	α_t (m/m°C)	γ (t/m ³)
Tipo	Designación						
Acero laminado	S275 (EN 1993-1-1)	2140672.8	0.300	825688.1	2803.3	0.000012	7.850
Acero conformado	S280GD	2140672.8	0.300	823335.7	2854.2	0.000012	7.850
Notación: <i>E</i> : Módulo de elasticidad <i>ν</i> : Módulo de Poisson <i>G</i> : Módulo de cortadura <i>f_y</i> : Límite elástico <i>α_t</i> : Coeficiente de dilatación <i>γ</i> : Peso específico							

2.1.2.2.- Descripción

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
Acero laminado	S275 (EN 1993-1-1)	N11/N208	N11/N12	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N208/N891	N11/N12	HEA-100 (HEA)	0.980	1.00	1.00	-	-
		N891/N12	N11/N12	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N15/N194	N15/N16	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N194/N888	N15/N16	HEA-100 (HEA)	0.980	1.00	1.00	-	-
		N888/N16	N15/N16	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N19/N202	N19/N20	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N202/N885	N19/N20	HEA-100 (HEA)	0.980	1.00	1.00	-	-
		N885/N20	N19/N20	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N85/N531	N85/N89	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N531/N87	N85/N89	HEA-100 (HEA)	0.700	1.00	1.00	-	-
		N87/N886	N85/N89	HEA-100 (HEA)	0.280	1.00	1.00	-	-
		N886/N89	N85/N89	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N86/N193	N86/N90	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N193/N88	N86/N90	HEA-100 (HEA)	0.700	1.00	1.00	-	-
		N88/N887	N86/N90	HEA-100 (HEA)	0.280	1.00	1.00	-	-
		N887/N90	N86/N90	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N91/N534	N91/N95	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N534/N93	N91/N95	HEA-100 (HEA)	0.700	1.00	1.00	-	-
		N93/N889	N91/N95	HEA-100 (HEA)	0.280	1.00	1.00	-	-
		N889/N95	N91/N95	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N92/N535	N92/N96	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N535/N94	N92/N96	HEA-100 (HEA)	0.700	1.00	1.00	-	-
		N94/N890	N92/N96	HEA-100 (HEA)	0.280	1.00	1.00	-	-
		N890/N96	N92/N96	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N97/N539	N97/N101	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N539/N99	N97/N101	HEA-100 (HEA)	0.700	1.00	1.00	-	-
		N99/N892	N97/N101	HEA-100 (HEA)	0.280	1.00	1.00	-	-
		N892/N101	N97/N101	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N38/N182	N38/N182	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N184/N40	N184/N40	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N182/N39	N182/N39	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N53/N182	N53/N182	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N182/N55	N182/N55	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N9/N185	N9/N185	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N185/N40	N185/N40	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N9/N184	N9/N184	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N73/N183	N73/N183	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N183/N77	N183/N77	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N28/N186	N28/N186	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N186/N29	N186/N29	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N6/N191	N6/N191	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N191/N18	N191/N18	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N62/N192	N62/N192	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N192/N64	N192/N64	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N15/N193	N15/N193	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N193/N16	N193/N16	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N86/N194	N86/N194	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N194/N90	N194/N90	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N28/N195	N28/N195	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N183/N31	N183/N31	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N195/N29	N195/N29	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N30/N183	N30/N183	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N125/N196	N125/N196	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N197/N27	N197/N27	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N196/N119	N196/N119	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N8/N197	N8/N197	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N176/N198	N176/N198	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N198/N170	N198/N170	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N199/N24	N199/N24	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N23/N199	N23/N199	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N123/N200	N123/N200	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N201/N22	N201/N22	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N200/N124	N200/N124	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N7/N201	N7/N201	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N174/N202	N174/N202	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N202/N175	N202/N175	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N203/N20	N203/N20	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N19/N203	N19/N203	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N122/N192	N122/N192	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N204/N18	N204/N18	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N192/N118	N192/N118	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N6/N204	N6/N204	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N173/N194	N173/N194	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N194/N169	N194/N169	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N205/N16	N205/N16	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N15/N205	N15/N205	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N116/N206	N116/N206	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N207/N14	N207/N14	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N206/N117	N206/N117	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N5/N207	N5/N207	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N167/N208	N167/N208	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N208/N168	N208/N168	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N209/N12	N209/N12	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N11/N209	N11/N209	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N114/N190	N114/N190	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N1/N210	N1/N210	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N190/N115	N190/N115	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N210/N2	N210/N2	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N4/N211	N4/N211	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N165/N188	N165/N188	R-70x3 (Rectangulares)	2.250	0.00	0.00	-	-
		N211/N10	N211/N10	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N188/N166	N188/N166	R-70x3 (Rectangulares)	2.078	0.00	0.00	-	-
		N205/N491	N205/N491	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N491/N492	N491/N492	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N492/N493	N492/N493	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N493/N204	N493/N204	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N209/N494	N209/N494	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N494/N495	N494/N495	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N495/N496	N495/N496	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N496/N207	N496/N207	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N203/N497	N203/N497	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N497/N498	N497/N498	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N498/N499	N498/N499	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N499/N201	N499/N201	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N199/N500	N199/N500	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N500/N501	N500/N501	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N501/N502	N501/N502	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N502/N197	N502/N197	Ø12 (Redondos)	1.350	1.00	1.00	-	-
		N405/N200	N405/N200	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N383/N406	N383/N406	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N406/N405	N406/N405	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N417/N192	N417/N192	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N384/N418	N384/N418	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N418/N417	N418/N417	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N423/N206	N423/N206	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N386/N424	N386/N424	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N424/N423	N424/N423	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N387/N382	N387/N382	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N200/N388	N200/N388	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N388/N387	N388/N387	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N393/N196	N393/N196	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N381/N394	N381/N394	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N394/N393	N394/N393	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N490/N184	N490/N184	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N214/N490	N214/N490	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N489/N214	N489/N214	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N213/N489	N213/N489	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N212/N488	N212/N488	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N488/N213	N488/N213	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N195/N487	N195/N487	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N487/N212	N487/N212	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N523/N198	N523/N198	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N525/N524	N525/N524	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N524/N523	N524/N523	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N529/N202	N529/N202	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N531/N530	N531/N530	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N530/N529	N530/N529	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N539/N538	N539/N538	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N540/N208	N540/N208	Ø12 (Redondos)	0.583	1.00	1.00	-	-



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Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N538/N540	N538/N540	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N521/N520	N521/N520	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N198/N522	N198/N522	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N522/N521	N522/N521	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N505/N503	N505/N503	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N506/N505	N506/N505	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N509/N508	N509/N508	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N507/N506	N507/N506	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N508/N507	N508/N507	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N504/N210	N504/N210	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N503/N504	N503/N504	Ø12 (Redondos)	0.675	1.00	1.00	-	-
		N552/N185	N552/N185	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N380/N552	N380/N552	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N555/N381	N555/N381	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N382/N555	N382/N555	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N558/N383	N558/N383	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N191/N558	N191/N558	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N561/N384	N561/N384	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N385/N561	N385/N561	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N564/N386	N564/N386	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N189/N564	N189/N564	Ø12 (Redondos)	0.750	1.00	1.00	-	-
		N399/N380	N399/N380	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N196/N400	N196/N400	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N400/N399	N400/N399	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N411/N385	N411/N385	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N206/N412	N206/N412	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N412/N411	N412/N411	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N589/N1404	N589/N590	HEA-120 (HEA)	1.800	1.00	1.00	-	-
		N1404/N590	N589/N590	HEA-120 (HEA)	1.580	1.00	1.00	-	-
		N569/N608	N569/N593	HEA-120 (HEA)	1.800	1.00	1.00	-	-
		N608/N593	N569/N593	HEA-120 (HEA)	1.580	1.00	1.00	-	-
		N567/N585	N567/N585	R-70x3 (Rectangulares)	2.511	0.00	0.00	-	-
		N574/N586	N574/N586	R-70x3 (Rectangulares)	2.511	0.00	0.00	-	-
		N586/N575	N586/N575	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N585/N568	N585/N568	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N613/N188	N613/N188	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N584/N614	N584/N614	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N614/N613	N614/N613	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N527/N526	N527/N526	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N528/N527	N528/N527	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N202/N528	N202/N528	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N536/N535	N536/N535	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N208/N537	N208/N537	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N537/N536	N537/N536	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N188/N514	N188/N514	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N515/N187	N515/N187	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N514/N515	N514/N515	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N463/N515	N463/N485	HEA-100 (HEA)	1.800	1.00	1.00	-	-
		N515/N893	N463/N485	HEA-100 (HEA)	0.980	1.00	1.00	-	-



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Descripción									
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Tipo	Designación								
		N893/N485	N463/N485	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N608/N597	N608/N597	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N607/N593	N607/N593	R-70x3 (Rectangulares)	2.358	0.00	0.00	-	-
		N569/N607	N569/N607	R-70x3 (Rectangulares)	2.511	0.00	0.00	-	-
		N596/N608	N596/N608	R-70x3 (Rectangulares)	2.511	0.00	0.00	-	-
		N658/N190	N658/N190	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N606/N659	N606/N659	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N659/N658	N659/N658	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N190/N444	N190/N444	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N442/N189	N442/N189	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N444/N442	N444/N442	Ø12 (Redondos)	0.583	1.00	1.00	-	-
		N683/N485	N683/N485	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N52/N968	N52/N45	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N968/N684	N52/N45	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N684/N883	N52/N45	HEA-100 (HEA)	0.750	1.00	1.00	-	-
		N883/N967	N52/N45	HEA-100 (HEA)	0.150	1.00	1.00	-	-
		N967/N685	N52/N45	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N685/N966	N52/N45	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N966/N686	N52/N45	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N686/N882	N52/N45	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N882/N965	N52/N45	HEA-100 (HEA)	0.650	1.00	1.00	-	-
		N965/N687	N52/N45	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N687/N964	N52/N45	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N964/N45	N52/N45	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N45/N963	N45/N47	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N963/N688	N45/N47	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N688/N881	N45/N47	HEA-100 (HEA)	0.750	1.00	1.00	-	-
		N881/N962	N45/N47	HEA-100 (HEA)	0.150	1.00	1.00	-	-
		N962/N689	N45/N47	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N689/N948	N45/N47	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N948/N690	N45/N47	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N690/N880	N45/N47	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N880/N922	N45/N47	HEA-100 (HEA)	0.650	1.00	1.00	-	-
		N922/N691	N45/N47	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N691/N894	N45/N47	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N894/N47	N45/N47	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N692/N1250	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1250/N1251	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1251/N1252	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1252/N1253	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1253/N1254	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1254/N1255	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1255/N721	N692/N683	R-250x10 (Rectangulares)	0.346	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N721/N1266	N692/N683	R-250x10 (Rectangulares)	0.806	1.00	1.00	-	-
		N1266/N1265	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1265/N1264	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1264/N1263	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1263/N1262	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1262/N683	N692/N683	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N682/N1239	N682/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1239/N1240	N682/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1240/N1241	N682/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1241/N1242	N682/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1242/N1243	N682/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1243/N720	N682/N720	R-250x10 (Rectangulares)	0.582	1.00	1.00	-	-
		N681/N1206	N681/N719	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1206/N1207	N681/N719	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1207/N1208	N681/N719	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1208/N1209	N681/N719	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1209/N1210	N681/N719	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1210/N719	N681/N719	R-250x10 (Rectangulares)	0.362	1.00	1.00	-	-
		N680/N1184	N680/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1184/N1185	N680/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1185/N1186	N680/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1186/N1187	N680/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1187/N718	N680/N718	R-250x10 (Rectangulares)	0.897	1.00	1.00	-	-
		N52/N1162	N52/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1162/N1163	N52/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1163/N1164	N52/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1164/N1165	N52/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1165/N717	N52/N717	R-250x10 (Rectangulares)	0.687	1.00	1.00	-	-
		N684/N1140	N684/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1140/N1141	N684/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1141/N1142	N684/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1142/N1143	N684/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1143/N716	N684/N716	R-250x10 (Rectangulares)	0.484	1.00	1.00	-	-
		N685/N1120	N685/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1120/N1121	N685/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1121/N1122	N685/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1122/N715	N685/N715	R-250x10 (Rectangulares)	1.037	1.00	1.00	-	-
		N686/N1098	N686/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1098/N1099	N686/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1099/N1100	N686/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1100/N714	N686/N714	R-250x10 (Rectangulares)	0.858	1.00	1.00	-	-
		N687/N1076	N687/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1076/N1077	N687/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1077/N1078	N687/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1078/N713	N687/N713	R-250x10 (Rectangulares)	0.676	1.00	1.00	-	-
		N45/N1054	N45/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1054/N1055	N45/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1055/N1056	N45/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1056/N712	N45/N712	R-250x10 (Rectangulares)	0.521	1.00	1.00	-	-
		N688/N1030	N688/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1030/N1031	N688/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1031/N1032	N688/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1032/N711	N688/N711	R-250x10 (Rectangulares)	0.365	1.00	1.00	-	-
		N689/N1009	N689/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1009/N1272	N689/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1272/N710	N689/N710	R-250x10 (Rectangulares)	0.996	1.00	1.00	-	-
		N690/N987	N690/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N987/N988	N690/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N988/N709	N690/N709	R-250x10 (Rectangulares)	0.876	1.00	1.00	-	-
		N691/N934	N691/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N934/N935	N691/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N935/N708	N691/N708	R-250x10 (Rectangulares)	0.819	1.00	1.00	-	-
		N47/N895	N47/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N895/N896	N47/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N896/N707	N47/N707	R-250x10 (Rectangulares)	0.772	1.00	1.00	-	-
		N706/N898	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N898/N899	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N899/N900	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N900/N901	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N901/N902	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N902/N903	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N903/N904	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N904/N905	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N905/N906	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N906/N907	N706/N707	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N907/N707	N706/N707	R-250x10 (Rectangulares)	0.698	1.00	1.00	-	-
		N705/N924	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N924/N925	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N925/N926	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N926/N927	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N927/N928	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N928/N929	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N929/N930	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N930/N931	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N931/N932	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N932/N933	N705/N708	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N933/N708	N705/N708	R-250x10 (Rectangulares)	0.449	1.00	1.00	-	-



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Tipo	Designación								
		N704/N989	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N989/N990	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N990/N991	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N991/N992	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N992/N993	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N993/N994	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N994/N995	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N995/N996	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N996/N997	N704/N709	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N997/N709	N704/N709	R-250x10 (Rectangulares)	0.945	1.00	1.00	-	-
		N703/N1010	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1010/N1011	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1011/N1012	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1012/N1013	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1013/N1014	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1014/N1015	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1015/N1016	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1016/N1017	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1017/N1018	N703/N710	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1018/N710	N703/N710	R-250x10 (Rectangulares)	0.704	1.00	1.00	-	-
		N702/N1033	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1033/N1034	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1034/N1035	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1035/N1036	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1036/N1037	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1037/N1038	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1038/N1039	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1039/N1040	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1040/N1041	N702/N711	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1041/N711	N702/N711	R-250x10 (Rectangulares)	0.456	1.00	1.00	-	-
		N701/N1057	N701/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1057/N1058	N701/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1058/N1059	N701/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1059/N1060	N701/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1060/N1061	N701/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1061/N1062	N701/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1062/N1063	N701/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1063/N1064	N701/N712	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1064/N712	N701/N712	R-250x10 (Rectangulares)	0.966	1.00	1.00	-	-
		N700/N1079	N700/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1079/N1080	N700/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1080/N1081	N700/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1081/N1082	N700/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1082/N1083	N700/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1083/N1084	N700/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1084/N1085	N700/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1085/N1086	N700/N713	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1086/N713	N700/N713	R-250x10 (Rectangulares)	0.721	1.00	1.00	-	-
		N699/N1101	N699/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1101/N1102	N699/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1102/N1103	N699/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1103/N1104	N699/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1104/N1105	N699/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1105/N1106	N699/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1106/N1107	N699/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1107/N1108	N699/N714	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1108/N714	N699/N714	R-250x10 (Rectangulares)	0.484	1.00	1.00	-	-
		N698/N1123	N698/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1123/N1124	N698/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1124/N1125	N698/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1125/N1126	N698/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1126/N1127	N698/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1127/N1128	N698/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1128/N1129	N698/N715	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1129/N715	N698/N715	R-250x10 (Rectangulares)	0.991	1.00	1.00	-	-
		N697/N1144	N697/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1144/N1145	N697/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1145/N1146	N697/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1146/N1147	N697/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1147/N1148	N697/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1148/N1149	N697/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1149/N1150	N697/N716	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1150/N716	N697/N716	R-250x10 (Rectangulares)	0.754	1.00	1.00	-	-
		N696/N1166	N696/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1166/N1167	N696/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1167/N1168	N696/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1168/N1169	N696/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1169/N1170	N696/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1170/N1171	N696/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1171/N1172	N696/N717	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1172/N717	N696/N717	R-250x10 (Rectangulares)	0.517	1.00	1.00	-	-
		N695/N1188	N695/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1188/N1189	N695/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1189/N1190	N695/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1190/N1191	N695/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1191/N1192	N695/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1192/N1193	N695/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1193/N1205	N695/N718	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1205/N718	N695/N718	R-250x10 (Rectangulares)	0.283	1.00	1.00	-	-
		N694/N1211	N694/N719	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1211/N1212	N694/N719	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1212/N1213	N694/N719	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1213/N1214	N694/N719	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1214/N1215	N694/N719	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1215/N1216	N694/N719	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1216/N719	N694/N719	R-250x10 (Rectangulares)	0.807	1.00	1.00	-	-
		N693/N1244	N693/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1244/N1245	N693/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1245/N1246	N693/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1246/N1247	N693/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1247/N1248	N693/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1248/N1249	N693/N720	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1249/N720	N693/N720	R-250x10 (Rectangulares)	0.571	1.00	1.00	-	-
		N722/N1329	N722/N692	HEA-100 (HEA)	1.700	1.00	1.00	-	-
		N1329/N725	N722/N692	HEA-100 (HEA)	1.430	1.00	1.00	-	-
		N725/N692	N722/N692	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N683/N972	N683/N52	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N972/N682	N683/N52	HEA-100 (HEA)	0.733	1.00	1.00	-	-
		N682/N985	N683/N52	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N985/N971	N683/N52	HEA-100 (HEA)	0.800	1.00	1.00	-	-
		N971/N681	N683/N52	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N681/N884	N683/N52	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N884/N970	N683/N52	HEA-100 (HEA)	0.650	1.00	1.00	-	-
		N970/N680	N683/N52	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N680/N969	N683/N52	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N969/N52	N683/N52	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N47/N20	N47/N20	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N880/N89	N880/N89	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N881/N90	N881/N90	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N45/N16	N45/N16	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N882/N95	N882/N95	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N883/N96	N883/N96	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N884/N101	N884/N101	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N52/N12	N52/N12	HEA-100 (HEA)	0.600	1.00	1.00	-	-
		N885/N47	N885/N47	HEA-100 (HEA)	0.849	1.00	1.00	-	-
		N886/N880	N886/N880	HEA-100 (HEA)	0.849	1.00	1.00	-	-
		N887/N881	N887/N881	HEA-100 (HEA)	0.849	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N888/N45	N888/N45	HEA-100 (HEA)	0.849	1.00	1.00	-	-
		N889/N882	N889/N882	HEA-100 (HEA)	0.849	1.00	1.00	-	-
		N890/N883	N890/N883	HEA-100 (HEA)	0.849	1.00	1.00	-	-
		N891/N52	N891/N52	HEA-100 (HEA)	0.849	1.00	1.00	-	-
		N892/N884	N892/N884	HEA-100 (HEA)	0.849	1.00	1.00	-	-
		N893/N683	N893/N683	HEA-100 (HEA)	0.849	1.00	1.00	-	-
		N908/N707	N908/N707	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N894/N909	N894/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N909/N910	N894/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N910/N908	N894/N908	R-250x10 (Rectangulares)	0.772	1.00	1.00	-	-
		N897/N911	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N911/N912	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N912/N913	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N913/N914	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N914/N915	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N915/N916	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N916/N917	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N917/N918	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N918/N919	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N919/N920	N897/N908	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N920/N908	N897/N908	R-250x10 (Rectangulares)	0.698	1.00	1.00	-	-
		N921/N708	N921/N708	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N923/N936	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N936/N937	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N937/N938	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N938/N939	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N939/N940	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N940/N941	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N941/N942	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N942/N943	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N943/N944	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N944/N945	N923/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N945/N921	N923/N921	R-250x10 (Rectangulares)	0.449	1.00	1.00	-	-
		N922/N946	N922/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N946/N947	N922/N921	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N947/N921	N922/N921	R-250x10 (Rectangulares)	0.819	1.00	1.00	-	-
		N950/N709	N950/N709	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N951/N710	N951/N710	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N952/N711	N952/N711	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N953/N712	N953/N712	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N954/N713	N954/N713	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N955/N714	N955/N714	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N956/N715	N956/N715	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N957/N716	N957/N716	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N958/N717	N958/N717	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N959/N718	N959/N718	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N720/N960	N720/N960	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N721/N961	N721/N961	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N984/N719	N984/N719	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N949/N1000	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1000/N1001	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1001/N1002	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1002/N1003	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1003/N1004	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1004/N1005	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1005/N1006	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1006/N1007	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1007/N1008	N949/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1008/N950	N949/N950	R-250x10 (Rectangulares)	0.945	1.00	1.00	-	-
		N948/N998	N948/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N998/N999	N948/N950	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Tipo	Designación								
		N999/N950	N948/N950	R-250x10 (Rectangulares)	0.876	1.00	1.00	-	-
		N962/N1019	N962/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1019/N1020	N962/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1020/N951	N962/N951	R-250x10 (Rectangulares)	0.996	1.00	1.00	-	-
		N973/N1021	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1021/N1022	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1022/N1023	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1023/N1024	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1024/N1025	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1025/N1026	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1026/N1027	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1027/N1028	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1028/N1029	N973/N951	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1029/N951	N973/N951	R-250x10 (Rectangulares)	0.704	1.00	1.00	-	-
		N974/N1045	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1045/N1046	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1046/N1047	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1047/N1048	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1048/N1049	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1049/N1050	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1050/N1051	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1051/N1052	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1052/N1053	N974/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1053/N952	N974/N952	R-250x10 (Rectangulares)	0.456	1.00	1.00	-	-
		N963/N1042	N963/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1042/N1043	N963/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1043/N1044	N963/N952	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1044/N952	N963/N952	R-250x10 (Rectangulares)	0.365	1.00	1.00	-	-
		N964/N1065	N964/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1065/N1066	N964/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1066/N1067	N964/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1067/N953	N964/N953	R-250x10 (Rectangulares)	0.521	1.00	1.00	-	-
		N975/N1068	N975/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1068/N1069	N975/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1069/N1070	N975/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1070/N1071	N975/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1071/N1072	N975/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1072/N1073	N975/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1073/N1074	N975/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1074/N1075	N975/N953	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1075/N953	N975/N953	R-250x10 (Rectangulares)	0.966	1.00	1.00	-	-
		N976/N1090	N976/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1090/N1091	N976/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1091/N1092	N976/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1092/N1093	N976/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1093/N1094	N976/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1094/N1095	N976/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1095/N1096	N976/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1096/N1097	N976/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1097/N954	N976/N954	R-250x10 (Rectangulares)	0.721	1.00	1.00	-	-
		N965/N1087	N965/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1087/N1088	N965/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1088/N1089	N965/N954	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1089/N954	N965/N954	R-250x10 (Rectangulares)	0.676	1.00	1.00	-	-
		N966/N1109	N966/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1109/N1110	N966/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1110/N1111	N966/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1111/N955	N966/N955	R-250x10 (Rectangulares)	0.858	1.00	1.00	-	-



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Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N977/N1112	N977/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1112/N1113	N977/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1113/N1114	N977/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1114/N1115	N977/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1115/N1116	N977/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1116/N1117	N977/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1117/N1118	N977/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1118/N1119	N977/N955	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1119/N955	N977/N955	R-250x10 (Rectangulares)	0.484	1.00	1.00	-	-
		N978/N1133	N978/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1133/N1134	N978/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1134/N1135	N978/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1135/N1136	N978/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1136/N1137	N978/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1137/N1138	N978/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1138/N1139	N978/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1139/N956	N978/N956	R-250x10 (Rectangulares)	0.991	1.00	1.00	-	-
		N967/N1130	N967/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1130/N1131	N967/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1131/N1132	N967/N956	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1132/N956	N967/N956	R-250x10 (Rectangulares)	1.037	1.00	1.00	-	-
		N968/N1151	N968/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1151/N1152	N968/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1152/N1153	N968/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1153/N1154	N968/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1154/N957	N968/N957	R-250x10 (Rectangulares)	0.484	1.00	1.00	-	-
		N979/N1155	N979/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1155/N1156	N979/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1156/N1157	N979/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1157/N1158	N979/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1158/N1159	N979/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1159/N1160	N979/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1160/N1161	N979/N957	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1161/N957	N979/N957	R-250x10 (Rectangulares)	0.754	1.00	1.00	-	-
		N980/N1177	N980/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1177/N1178	N980/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1178/N1179	N980/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1179/N1180	N980/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1180/N1181	N980/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1181/N1182	N980/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1182/N1183	N980/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1183/N958	N980/N958	R-250x10 (Rectangulares)	0.517	1.00	1.00	-	-
		N969/N1173	N969/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1173/N1174	N969/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1174/N1175	N969/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1175/N1176	N969/N958	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1176/N958	N969/N958	R-250x10 (Rectangulares)	0.687	1.00	1.00	-	-
		N970/N1194	N970/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1194/N1195	N970/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1195/N1196	N970/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1196/N1197	N970/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1197/N959	N970/N959	R-250x10 (Rectangulares)	0.897	1.00	1.00	-	-
		N981/N1198	N981/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1198/N1199	N981/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1199/N1200	N981/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1200/N1201	N981/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1201/N1202	N981/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1202/N1203	N981/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1203/N1204	N981/N959	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1204/N959	N981/N959	R-250x10 (Rectangulares)	0.283	1.00	1.00	-	-
		N982/N1222	N982/N984	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1222/N1223	N982/N984	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1223/N1224	N982/N984	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1224/N1225	N982/N984	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1225/N1226	N982/N984	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1226/N1227	N982/N984	R-250x10 (Rectangulares)	0.749	1.00	1.00	-	-
		N1227/N984	N982/N984	R-250x10 (Rectangulares)	0.807	1.00	1.00	-	-
		N971/N1217	N971/N984	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1217/N1218	N971/N984	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1218/N1219	N971/N984	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1219/N1220	N971/N984	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1220/N1221	N971/N984	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1221/N984	N971/N984	R-250x10 (Rectangulares)	0.362	1.00	1.00	-	-
		N985/N1228	N985/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1228/N1229	N985/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1229/N1230	N985/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1230/N1231	N985/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1231/N1232	N985/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1232/N960	N985/N960	R-250x10 (Rectangulares)	0.582	1.00	1.00	-	-
		N983/N1233	N983/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1233/N1234	N983/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1234/N1235	N983/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1235/N1236	N983/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1236/N1237	N983/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1237/N1238	N983/N960	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1238/N960	N983/N960	R-250x10 (Rectangulares)	0.571	1.00	1.00	-	-
		N986/N1256	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1256/N1257	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1257/N1258	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1258/N1259	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1259/N1260	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1260/N1261	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1261/N961	N986/N972	R-250x10 (Rectangulares)	0.346	1.00	1.00	-	-
		N961/N1271	N986/N972	R-250x10 (Rectangulares)	0.806	1.00	1.00	-	-
		N1271/N1270	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1270/N1269	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1269/N1268	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1268/N1267	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N1267/N972	N986/N972	R-250x10 (Rectangulares)	0.750	1.00	1.00	-	-
		N920/N907	N920/N907	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N945/N933	N945/N933	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N919/N906	N919/N906	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N944/N932	N944/N932	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N918/N905	N918/N905	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N943/N931	N943/N931	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N917/N904	N917/N904	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N942/N930	N942/N930	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N916/N903	N916/N903	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N941/N929	N941/N929	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N915/N902	N915/N902	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N940/N928	N940/N928	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N914/N901	N914/N901	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N939/N927	N939/N927	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N913/N900	N913/N900	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N938/N926	N938/N926	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N912/N899	N912/N899	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-



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Tipo	Designación								
		N937/N925	N937/N925	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N911/N898	N911/N898	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N936/N924	N936/N924	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1029/N1018	N1029/N1018	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1008/N997	N1008/N997	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1028/N1017	N1028/N1017	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1007/N996	N1007/N996	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1006/N995	N1006/N995	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1027/N1016	N1027/N1016	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1026/N1015	N1026/N1015	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1005/N994	N1005/N994	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1025/N1014	N1025/N1014	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1004/N993	N1004/N993	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1003/N992	N1003/N992	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1024/N1013	N1024/N1013	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1023/N1012	N1023/N1012	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1002/N991	N1002/N991	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1001/N990	N1001/N990	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1022/N1011	N1022/N1011	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1021/N1010	N1021/N1010	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1000/N989	N1000/N989	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1075/N1064	N1075/N1064	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1053/N1041	N1053/N1041	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1052/N1040	N1052/N1040	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1074/N1063	N1074/N1063	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1051/N1039	N1051/N1039	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1050/N1038	N1050/N1038	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1073/N1062	N1073/N1062	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1072/N1061	N1072/N1061	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1049/N1037	N1049/N1037	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1048/N1036	N1048/N1036	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1071/N1060	N1071/N1060	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1047/N1035	N1047/N1035	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1070/N1059	N1070/N1059	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1069/N1058	N1069/N1058	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1046/N1034	N1046/N1034	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1045/N1033	N1045/N1033	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1068/N1057	N1068/N1057	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1119/N1108	N1119/N1108	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1097/N1086	N1097/N1086	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1096/N1085	N1096/N1085	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1118/N1107	N1118/N1107	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1117/N1106	N1117/N1106	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1095/N1084	N1095/N1084	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1094/N1083	N1094/N1083	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1116/N1105	N1116/N1105	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1115/N1104	N1115/N1104	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1093/N1082	N1093/N1082	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1092/N1081	N1092/N1081	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1114/N1103	N1114/N1103	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1113/N1102	N1113/N1102	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1091/N1080	N1091/N1080	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1112/N1101	N1112/N1101	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1090/N1079	N1090/N1079	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1161/N1150	N1161/N1150	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1139/N1129	N1139/N1129	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1138/N1128	N1138/N1128	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1160/N1149	N1160/N1149	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1159/N1148	N1159/N1148	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1137/N1127	N1137/N1127	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1136/N1126	N1136/N1126	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1147/N1136	N1147/N1136	R-150x10 (Rectangulares)	0.901	1.00	1.00	-	-
		N1158/N1147	N1158/N1147	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1157/N1146	N1157/N1146	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1135/N1125	N1135/N1125	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1156/N1145	N1156/N1145	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1134/N1124	N1134/N1124	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1133/N1123	N1133/N1123	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1155/N1144	N1155/N1144	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1204/N1205	N1204/N1205	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1183/N1172	N1183/N1172	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1182/N1171	N1182/N1171	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1203/N1193	N1203/N1193	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1202/N1192	N1202/N1192	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1181/N1170	N1181/N1170	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1180/N1169	N1180/N1169	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1201/N1191	N1201/N1191	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1200/N1190	N1200/N1190	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1179/N1168	N1179/N1168	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1178/N1167	N1178/N1167	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1177/N1166	N1177/N1166	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1199/N1189	N1199/N1189	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1198/N1188	N1198/N1188	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1222/N1211	N1222/N1211	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1244/N1233	N1244/N1233	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1245/N1234	N1245/N1234	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1223/N1212	N1223/N1212	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1224/N1213	N1224/N1213	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1246/N1235	N1246/N1235	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1247/N1236	N1247/N1236	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1225/N1214	N1225/N1214	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1250/N1256	N1250/N1256	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1251/N1257	N1251/N1257	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1252/N1258	N1252/N1258	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1253/N1259	N1253/N1259	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1254/N1260	N1254/N1260	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1248/N1237	N1248/N1237	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1226/N1215	N1226/N1215	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1255/N1261	N1255/N1261	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1266/N961	N1266/N961	R-150x10 (Rectangulares)	0.813	1.00	1.00	-	-
		N1266/N1271	N1266/N1271	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1249/N1238	N1249/N1238	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1243/N1232	N1243/N1232	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1227/N1216	N1227/N1216	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1221/N1210	N1221/N1210	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N909/N895	N909/N895	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N910/N896	N910/N896	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N947/N935	N947/N935	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N946/N934	N946/N934	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N998/N987	N998/N987	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N999/N988	N999/N988	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1020/N1272	N1020/N1272	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1019/N1009	N1019/N1009	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1042/N1030	N1042/N1030	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1043/N1031	N1043/N1031	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1044/N1032	N1044/N1032	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1067/N1056	N1067/N1056	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1066/N1055	N1066/N1055	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1065/N1054	N1065/N1054	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1087/N1076	N1087/N1076	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1088/N1077	N1088/N1077	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1089/N1078	N1089/N1078	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1111/N1100	N1111/N1100	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1110/N1099	N1110/N1099	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1109/N1098	N1109/N1098	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1130/N1120	N1130/N1120	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1131/N1121	N1131/N1121	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1132/N1122	N1132/N1122	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1176/N1165	N1176/N1165	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1197/N1187	N1197/N1187	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1153/N1142	N1153/N1142	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1175/N1164	N1175/N1164	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1196/N1186	N1196/N1186	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1152/N1141	N1152/N1141	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1174/N1163	N1174/N1163	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1195/N1185	N1195/N1185	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1151/N1140	N1151/N1140	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1173/N1162	N1173/N1162	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1194/N1184	N1194/N1184	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1217/N1206	N1217/N1206	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1220/N1209	N1220/N1209	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1242/N1231	N1242/N1231	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1265/N1270	N1265/N1270	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1264/N1269	N1264/N1269	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1241/N1230	N1241/N1230	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-



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Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1219/N1208	N1219/N1208	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1218/N1207	N1218/N1207	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1240/N1229	N1240/N1229	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1263/N1268	N1263/N1268	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1262/N1267	N1262/N1267	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N1239/N1228	N1239/N1228	R-150x10 (Rectangulares)	0.100	1.00	1.00	-	-
		N737/N1333	N737/N706	HEA-100 (HEA)	1.700	1.00	1.00	-	-
		N1333/N730	N737/N706	HEA-100 (HEA)	1.430	1.00	1.00	-	-
		N730/N706	N737/N706	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N747/N1338	N747/N704	HEA-100 (HEA)	1.700	1.00	1.00	-	-
		N1338/N746	N747/N704	HEA-100 (HEA)	1.430	1.00	1.00	-	-
		N746/N704	N747/N704	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N745/N1367	N745/N701	HEA-100 (HEA)	1.700	1.00	1.00	-	-
		N1367/N744	N745/N701	HEA-100 (HEA)	1.430	1.00	1.00	-	-
		N744/N701	N745/N701	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N743/N1361	N743/N698	HEA-100 (HEA)	1.700	1.00	1.00	-	-
		N1361/N740	N743/N698	HEA-100 (HEA)	1.430	1.00	1.00	-	-
		N740/N698	N743/N698	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N742/N1356	N742/N695	HEA-100 (HEA)	1.700	1.00	1.00	-	-
		N1356/N741	N742/N695	HEA-100 (HEA)	1.430	1.00	1.00	-	-
		N741/N695	N742/N695	HEA-100 (HEA)	0.250	1.00	1.00	-	-
		N722/N1330	N722/N1330	R-70x3 (Rectangulares)	2.357	0.00	0.00	-	-
		N758/N1329	N758/N1329	R-70x3 (Rectangulares)	2.357	0.00	0.00	-	-
		N1329/N759	N1329/N759	R-70x3 (Rectangulares)	2.171	0.00	0.00	-	-
		N1330/N725	N1330/N725	R-70x3 (Rectangulares)	2.171	0.00	0.00	-	-
		N722/N1331	N722/N1331	R-70x3 (Rectangulares)	2.450	0.00	0.00	-	-
		N806/N1329	N806/N1329	R-70x3 (Rectangulares)	2.450	0.00	0.00	-	-
		N1329/N807	N1329/N807	R-70x3 (Rectangulares)	2.271	0.00	0.00	-	-
		N1331/N725	N1331/N725	R-70x3 (Rectangulares)	2.271	0.00	0.00	-	-
		N726/N1335	N726/N1335	R-70x3 (Rectangulares)	2.450	0.00	0.00	-	-
		N1335/N727	N1335/N727	R-70x3 (Rectangulares)	2.271	0.00	0.00	-	-
		N1334/N793	N1334/N793	R-70x3 (Rectangulares)	2.271	0.00	0.00	-	-
		N792/N1334	N792/N1334	R-70x3 (Rectangulares)	2.450	0.00	0.00	-	-
		N1339/N746	N1339/N746	R-70x3 (Rectangulares)	2.072	0.00	0.00	-	-
		N747/N1339	N747/N1339	R-70x3 (Rectangulares)	2.267	0.00	0.00	-	-
		N1338/N785	N1338/N785	R-70x3 (Rectangulares)	2.072	0.00	0.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N784/N1338	N784/N1338	R-70x3 (Rectangulares)	2.267	0.00	0.00	-	-
		N1344/N823	N1344/N823	R-70x3 (Rectangulares)	2.299	0.00	0.00	-	-
		N822/N1344	N822/N1344	R-70x3 (Rectangulares)	2.476	0.00	0.00	-	-
		N828/N1345	N828/N1345	R-70x3 (Rectangulares)	2.476	0.00	0.00	-	-
		N1345/N829	N1345/N829	R-70x3 (Rectangulares)	2.299	0.00	0.00	-	-
		N1346/N724	N1346/N724	R-70x3 (Rectangulares)	2.171	0.00	0.00	-	-
		N723/N1346	N723/N1346	R-70x3 (Rectangulares)	2.357	0.00	0.00	-	-
		N860/N1343	N860/N1343	R-70x3 (Rectangulares)	2.357	0.00	0.00	-	-
		N1343/N861	N1343/N861	R-70x3 (Rectangulares)	2.171	0.00	0.00	-	-
		N1331/N1350	N1331/N1350	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1350/N1349	N1350/N1349	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1349/N1348	N1349/N1348	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1347/N1343	N1347/N1343	Ø12 (Redondos)	0.584	1.00	1.00	-	-
		N1348/N1347	N1348/N1347	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1330/N1355	N1330/N1355	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1355/N1356	N1355/N1356	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N692/N986	N692/N695	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N986/N693	N692/N695	HEA-100 (HEA)	0.733	1.00	1.00	-	-
		N693/N983	N692/N695	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N983/N982	N692/N695	HEA-100 (HEA)	0.800	1.00	1.00	-	-
		N982/N694	N692/N695	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N694/N981	N692/N695	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N981/N695	N692/N695	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N695/N980	N695/N698	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N980/N696	N695/N698	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N696/N979	N695/N698	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N979/N697	N695/N698	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N697/N978	N695/N698	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N978/N698	N695/N698	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N698/N977	N698/N701	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N977/N699	N698/N701	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N699/N976	N698/N701	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N976/N700	N698/N701	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N700/N975	N698/N701	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N975/N701	N698/N701	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N701/N974	N701/N704	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N974/N702	N701/N704	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N702/N973	N701/N704	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N973/N703	N701/N704	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N703/N949	N701/N704	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N949/N704	N701/N704	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N704/N923	N704/N706	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N923/N705	N704/N706	HEA-100 (HEA)	0.100	1.00	1.00	-	-
		N705/N897	N704/N706	HEA-100 (HEA)	0.900	1.00	1.00	-	-
		N897/N706	N704/N706	HEA-100 (HEA)	0.100	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1356/N1357	N1356/N1357	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1358/N1359	N1358/N1359	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1359/N1360	N1359/N1360	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1360/N1361	N1360/N1361	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1361/N1362	N1361/N1362	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1362/N1363	N1362/N1363	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1363/N1364	N1363/N1364	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1364/N1365	N1364/N1365	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1365/N1366	N1365/N1366	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1366/N1367	N1366/N1367	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1367/N1368	N1367/N1368	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1368/N1369	N1368/N1369	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1369/N1370	N1369/N1370	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1370/N1371	N1370/N1371	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1371/N1338	N1371/N1338	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1357/N1358	N1357/N1358	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1339/N1333	N1339/N1333	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1372/N1334	N1372/N1334	Ø12 (Redondos)	0.367	1.00	1.00	-	-
		N1333/N1372	N1333/N1372	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1335/N1376	N1335/N1376	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1377/N1378	N1377/N1378	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1378/N1379	N1378/N1379	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1379/N1336	N1379/N1336	Ø12 (Redondos)	0.584	1.00	1.00	-	-
		N1376/N1377	N1376/N1377	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1346/N1382	N1346/N1382	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1384/N1340	N1384/N1340	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1345/N1384	N1345/N1384	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1387/N1344	N1387/N1344	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1388/N1387	N1388/N1387	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1389/N1388	N1389/N1388	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1390/N1389	N1390/N1389	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1391/N1390	N1391/N1390	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1342/N1391	N1342/N1391	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1383/N1336	N1383/N1336	Ø12 (Redondos)	0.367	1.00	1.00	-	-
		N1337/N1383	N1337/N1383	Ø12 (Redondos)	0.500	1.00	1.00	-	-
		N1392/N1341	N1392/N1341	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1394/N1393	N1394/N1393	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1395/N1394	N1395/N1394	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1396/N1395	N1396/N1395	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1382/N1396	N1382/N1396	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1393/N1392	N1393/N1392	Ø12 (Redondos)	0.600	1.00	1.00	-	-
		N1397/N738	N1397/N738	R-70x3 (Rectangulares)	2.271	0.00	0.00	-	-
		N739/N1397	N739/N1397	R-70x3 (Rectangulares)	2.450	0.00	0.00	-	-
		N870/N1364	N870/N1364	R-70x3 (Rectangulares)	2.450	0.00	0.00	-	-
		N1364/N871	N1364/N871	R-70x3 (Rectangulares)	2.271	0.00	0.00	-	-
		N1398/N1391	N1398/N1391	Ø12 (Redondos)	0.584	1.00	1.00	-	-
		N1399/N1398	N1399/N1398	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1400/N1399	N1400/N1399	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N1401/N1400	N1401/N1400	Ø12 (Redondos)	0.588	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1397/N1401	N1397/N1401	Ø12 (Redondos)	0.588	1.00	1.00	-	-
		N590/N622	N590/N678	IPE-240 (IPE)	0.951	1.00	1.00	-	-
		N622/N621	N590/N678	IPE-240 (IPE)	1.350	1.00	1.00	-	-
		N621/N620	N590/N678	IPE-240 (IPE)	1.350	1.00	1.00	-	-
		N620/N619	N590/N678	IPE-240 (IPE)	1.350	1.00	1.00	-	-
		N619/N593	N590/N678	IPE-240 (IPE)	1.350	1.00	1.00	-	-
		N593/N678	N590/N678	IPE-240 (IPE)	0.600	1.00	1.00	-	-
		N1404/N568	N1404/N568	R-70x3 (Rectangulares)	2.357	0.00	0.00	-	-
		N567/N1404	N567/N1404	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N589/N586	N589/N586	R-70x3 (Rectangulares)	2.510	0.00	0.00	-	-
		N586/N590	N586/N590	R-70x3 (Rectangulares)	2.357	0.00	0.00	-	-
		N211/N1407	N211/N1407	Ø12 (Redondos)	0.399	1.00	1.00	-	-
		N1407/N509	N1407/N509	Ø12 (Redondos)	0.276	1.00	1.00	-	-
Acero conformado	S280GD	N4/N188	N4/N10	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N188/N10	N4/N10	2xCF-100x2.0([-]) (C)	1.580	1.00	1.00	-	-
		N1/N190	N1/N2	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N190/N2	N1/N2	2xCF-100x2.0([-]) (C)	1.580	1.00	1.00	-	-
		N5/N206	N5/N14	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N206/N14	N5/N14	2xCF-100x2.0([-]) (C)	1.580	1.00	1.00	-	-
		N6/N192	N6/N18	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N192/N18	N6/N18	2xCF-100x2.0([-]) (C)	1.580	1.00	1.00	-	-
		N7/N200	N7/N22	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N200/N22	N7/N22	2xCF-100x2.0([-]) (C)	1.580	1.00	1.00	-	-
		N23/N198	N23/N24	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N198/N24	N23/N24	2xCF-100x2.0([-]) (C)	1.580	1.00	1.00	-	-
		N25/N502	N25/N26	2xCF-100x2.0([-]) (C)	1.800	1.00	2.00	-	-
		N502/N26	N25/N26	2xCF-100x2.0([-]) (C)	1.580	1.00	2.00	-	-
		N8/N196	N8/N27	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N196/N27	N8/N27	2xCF-100x2.0([-]) (C)	1.580	1.00	1.00	-	-
		N28/N183	N28/N29	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N183/N29	N28/N29	2xCF-100x2.0([-]) (C)	1.580	1.00	1.00	-	-
		N30/N195	N30/N31	2xCF-100x2.0([-]) (C)	1.800	1.00	2.00	-	-
		N195/N31	N30/N31	2xCF-100x2.0([-]) (C)	1.580	1.00	2.00	-	-



Listados

VESTUARIOS RANILLAS

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N32/N212	N32/N33	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N212/N33	N32/N33	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N34/N213	N34/N35	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N213/N35	N34/N35	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N36/N214	N36/N37	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N214/N37	N36/N37	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N38/N184	N38/N39	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N184/N39	N38/N39	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N9/N182	N9/N40	2xCF-100x2.0(J-L) (C)	1.800	1.00	1.00	-	-
		N182/N40	N9/N40	2xCF-100x2.0(J-L) (C)	1.580	1.00	1.00	-	-
		N26/N109	N26/N37	2xCF-275x2.5(J-L) (C)	0.625	1.60	1.00	-	-
		N109/N108	N26/N37	2xCF-275x2.5(J-L) (C)	0.625	1.60	1.00	-	-
		N108/N107	N26/N37	2xCF-275x2.5(J-L) (C)	0.625	1.60	1.00	-	-
		N107/N106	N26/N37	2xCF-275x2.5(J-L) (C)	0.625	1.60	1.00	-	-
		N106/N105	N26/N37	2xCF-275x2.5(J-L) (C)	0.625	1.60	1.00	-	-
		N105/N104	N26/N37	2xCF-275x2.5(J-L) (C)	0.625	1.60	1.00	-	-
		N104/N103	N26/N37	2xCF-275x2.5(J-L) (C)	0.625	1.60	1.00	-	-
		N103/N37	N26/N37	2xCF-275x2.5(J-L) (C)	0.625	1.60	1.00	-	-
		N53/N185	N53/N55	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N185/N55	N53/N55	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N54/N380	N54/N56	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N380/N56	N54/N56	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N57/N381	N57/N59	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N381/N59	N57/N59	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N58/N382	N58/N60	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N382/N60	N58/N60	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N61/N383	N61/N63	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N383/N63	N61/N63	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N62/N191	N62/N64	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N191/N64	N62/N64	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N65/N384	N65/N67	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N384/N67	N65/N67	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N66/N385	N66/N68	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N385/N68	N66/N68	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N69/N386	N69/N71	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N386/N71	N69/N71	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N70/N189	N70/N72	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N189/N72	N70/N72	CF-100x2.0 (C)	1.580	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N73/N186	N73/N77	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N186/N75	N73/N77	2xCF-100x2.0([-]) (C)	0.700	1.00	1.00	-	-
		N75/N77	N73/N77	2xCF-100x2.0([-]) (C)	0.880	1.00	1.00	-	-
		N74/N520	N74/N78	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N520/N76	N74/N78	2xCF-100x2.0([-]) (C)	0.700	1.00	1.00	-	-
		N76/N78	N74/N78	2xCF-100x2.0([-]) (C)	0.880	1.00	1.00	-	-
		N76/N547	N76/N75	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N547/N75	N76/N75	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N79/N525	N79/N83	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N525/N81	N79/N83	2xCF-100x2.0([-]) (C)	0.700	1.00	1.00	-	-
		N81/N83	N79/N83	2xCF-100x2.0([-]) (C)	0.880	1.00	1.00	-	-
		N80/N526	N80/N84	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N526/N82	N80/N84	2xCF-100x2.0([-]) (C)	0.700	1.00	1.00	-	-
		N82/N84	N80/N84	2xCF-100x2.0([-]) (C)	0.880	1.00	1.00	-	-
		N82/N545	N82/N81	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N545/N81	N82/N81	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N88/N543	N88/N87	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N543/N87	N88/N87	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N94/N541	N94/N93	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N541/N93	N94/N93	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N98/N187	N98/N102	2xCF-100x2.0([-]) (C)	1.800	1.00	1.00	-	-
		N187/N100	N98/N102	2xCF-100x2.0([-]) (C)	0.700	1.00	1.00	-	-
		N100/N102	N98/N102	2xCF-100x2.0([-]) (C)	0.880	1.00	1.00	-	-
		N100/N549	N100/N99	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N549/N99	N100/N99	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N20/N474	N20/N24	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N474/N473	N20/N24	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N473/N84	N20/N24	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N84/N546	N20/N24	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N546/N83	N20/N24	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N83/N467	N20/N24	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N467/N468	N20/N24	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N468/N24	N20/N24	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N14/N415	N14/N18	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N415/N413	N14/N18	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N413/N68	N14/N18	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N68/N562	N14/N18	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N562/N67	N14/N18	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N67/N421	N14/N18	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N421/N419	N14/N18	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N419/N18	N14/N18	UF-100x4 (U)	0.583	1.00	1.00	-	-



Listados

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N18/N433	N18/N22	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N433/N434	N18/N22	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N434/N64	N18/N22	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N64/N559	N18/N22	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N559/N63	N18/N22	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N63/N409	N18/N22	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N409/N407	N18/N22	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N407/N22	N18/N22	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N22/N391	N22/N27	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N391/N389	N22/N27	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N389/N60	N22/N27	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N60/N556	N22/N27	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N556/N59	N22/N27	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N59/N397	N22/N27	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N397/N395	N22/N27	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N395/N27	N22/N27	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N3/N503	N3/N113	2xCF-100x2.0(J-[] (C)	1.800	1.00	2.00	-	-
		N503/N566	N3/N113	2xCF-100x2.0(J-[] (C)	1.300	1.00	2.00	-	-
		N566/N113	N3/N113	2xCF-100x2.0(J-[] (C)	0.280	1.00	2.00	-	-
		N13/N496	N13/N112	2xCF-100x2.0(J-[] (C)	1.800	1.00	2.00	-	-
		N496/N112	N13/N112	2xCF-100x2.0(J-[] (C)	1.580	1.00	2.00	-	-
		N17/N493	N17/N111	2xCF-100x2.0(J-[] (C)	1.800	1.00	2.00	-	-
		N493/N111	N17/N111	2xCF-100x2.0(J-[] (C)	1.580	1.00	2.00	-	-
		N21/N499	N21/N110	2xCF-100x2.0(J-[] (C)	1.800	1.00	2.00	-	-
		N499/N110	N21/N110	2xCF-100x2.0(J-[] (C)	1.580	1.00	2.00	-	-
		N114/N210	N114/N115	2xCF-100x3.0(J-[] (C)	1.800	1.00	2.00	-	-
		N210/N115	N114/N115	2xCF-100x3.0(J-[] (C)	1.580	1.00	1.00	-	-
		N116/N207	N116/N117	2xCF-100x2.0(J-[] (C)	1.800	1.00	2.00	-	-
		N207/N239	N116/N117	2xCF-100x2.0(J-[] (C)	1.300	1.00	2.00	-	-
		N239/N117	N116/N117	2xCF-100x2.0(J-[] (C)	0.280	0.50	1.00	-	-
		N125/N197	N125/N119	2xCF-100x2.0(J-[] (C)	1.800	1.00	2.00	-	-
		N197/N119	N125/N119	2xCF-100x2.0(J-[] (C)	1.580	1.00	2.00	-	-
		N119/N120	N119/N39	2xCF-275x2.5(J-[] (C)	0.625	2.00	1.00	-	-
		N120/N121	N119/N39	2xCF-275x2.5(J-[] (C)	0.625	2.00	1.00	-	-
		N121/N126	N119/N39	2xCF-275x2.5(J-[] (C)	0.625	2.00	1.00	-	-
		N126/N127	N119/N39	2xCF-275x2.5(J-[] (C)	0.625	2.00	1.00	-	-



Listados

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N127/N128	N119/N39	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N128/N129	N119/N39	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N129/N130	N119/N39	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N130/N39	N119/N39	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N122/N204	N122/N118	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N204/N118	N122/N118	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N123/N201	N123/N124	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N201/N124	N123/N124	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N131/N506	N131/N132	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N506/N132	N131/N132	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N133/N495	N133/N134	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N495/N134	N133/N134	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N142/N501	N142/N136	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N501/N136	N142/N136	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N136/N137	N136/N35	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N137/N138	N136/N35	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N138/N143	N136/N35	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N143/N144	N136/N35	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N144/N145	N136/N35	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N145/N146	N136/N35	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N146/N147	N136/N35	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N147/N35	N136/N35	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N139/N492	N139/N135	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N492/N135	N139/N135	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N140/N498	N140/N141	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N498/N141	N140/N141	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N148/N508	N148/N149	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N508/N149	N148/N149	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N150/N494	N150/N151	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N494/N151	N150/N151	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N159/N500	N159/N153	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N500/N153	N159/N153	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N153/N154	N153/N33	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N154/N155	N153/N33	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N155/N160	N153/N33	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N160/N161	N153/N33	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N161/N162	N153/N33	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N162/N163	N153/N33	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N163/N164	N153/N33	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N164/N33	N153/N33	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N156/N491	N156/N152	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N491/N152	N156/N152	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N157/N497	N157/N158	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N497/N158	N157/N158	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N165/N211	N165/N166	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N211/N166	N165/N166	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N167/N209	N167/N168	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N209/N168	N167/N168	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N176/N199	N176/N170	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N199/N170	N176/N170	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N170/N171	N170/N31	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N171/N172	N170/N31	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N172/N177	N170/N31	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N177/N178	N170/N31	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N178/N179	N170/N31	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N179/N180	N170/N31	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N180/N181	N170/N31	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N181/N31	N170/N31	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N173/N205	N173/N169	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N205/N169	N173/N169	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N174/N203	N174/N175	2xCF-100x2.0(J-L) (C)	1.800	1.00	2.00	-	-
		N203/N175	N174/N175	2xCF-100x2.0(J-L) (C)	1.580	1.00	2.00	-	-
		N184/N513	N184/N182	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N513/N182	N184/N182	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N185/N438	N185/N182	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N438/N436	N185/N182	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N436/N182	N185/N182	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N186/N518	N186/N183	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N518/N519	N186/N183	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N519/N183	N186/N183	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N192/N432	N192/N191	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N432/N430	N192/N191	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N430/N191	N192/N191	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N194/N516	N194/N193	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N516/N517	N194/N193	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N517/N193	N194/N193	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N183/N512	N183/N195	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N512/N195	N183/N195	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N197/N196	N197/N196	2xCF-100x3.0(J-L) (C)	1.350	1.00	1.00	-	-
		N198/N199	N198/N199	2xCF-100x3.0(J-L) (C)	1.350	1.00	1.00	-	-
		N201/N200	N201/N200	2xCF-100x3.0(J-L) (C)	1.350	1.00	1.00	-	-
		N202/N203	N202/N203	2xCF-100x3.0(J-L) (C)	1.350	1.00	1.00	-	-
		N204/N192	N204/N192	2xCF-100x3.0(J-L) (C)	1.350	1.00	1.00	-	-
		N194/N205	N194/N205	2xCF-100x3.0(J-L) (C)	1.350	1.00	1.00	-	-
		N207/N206	N207/N206	2xCF-100x3.0(J-L) (C)	1.350	1.00	1.00	-	-
		N208/N209	N208/N209	2xCF-100x3.0(J-L) (C)	1.350	1.00	1.00	-	-
		N210/N510	N210/N190	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N510/N190	N210/N190	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N188/N511	N188/N211	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N511/N211	N188/N211	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N215/N511	N215/N216	CF-100x2.0 (C)	1.800	0.50	1.00	-	-
		N511/N216	N215/N216	CF-100x2.0 (C)	1.580	0.50	1.00	-	-
		N217/N509	N217/N218	CF-100x2.0 (C)	1.800	1.00	2.00	-	-
		N509/N218	N217/N218	CF-100x2.0 (C)	1.580	1.00	2.00	-	-
		N219/N507	N219/N220	CF-100x2.0 (C)	1.800	1.00	2.00	-	-
		N507/N220	N219/N220	CF-100x2.0 (C)	1.580	1.00	2.00	-	-
		N221/N505	N221/N222	CF-100x2.0 (C)	1.800	1.00	2.00	-	-
		N505/N222	N221/N222	CF-100x2.0 (C)	1.580	1.00	2.00	-	-
		N223/N504	N223/N224	CF-100x2.0 (C)	1.800	1.00	2.00	-	-
		N504/N224	N223/N224	CF-100x2.0 (C)	1.580	1.00	2.00	-	-
		N225/N490	N225/N226	CF-100x2.0 (C)	1.800	1.00	2.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N490/N226	N225/N226	CF-100x2.0 (C)	1.580	1.00	2.00	-	-
		N227/N489	N227/N228	CF-100x2.0 (C)	1.800	1.00	2.00	-	-
		N489/N228	N227/N228	CF-100x2.0 (C)	1.580	1.00	2.00	-	-
		N229/N488	N229/N230	CF-100x2.0 (C)	1.800	1.00	2.00	-	-
		N488/N230	N229/N230	CF-100x2.0 (C)	1.580	1.00	2.00	-	-
		N231/N487	N231/N232	CF-100x2.0 (C)	1.800	1.00	2.00	-	-
		N487/N232	N231/N232	CF-100x2.0 (C)	1.580	1.00	2.00	-	-
		N233/N512	N233/N234	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N512/N234	N233/N234	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N235/N513	N235/N236	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N513/N236	N235/N236	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N237/N510	N237/N238	CF-100x2.0 (C)	1.800	0.50	1.00	-	-
		N510/N238	N237/N238	CF-100x2.0 (C)	1.580	0.50	1.00	-	-
		N175/N268	N175/N170	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N268/N269	N175/N170	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N269/N270	N175/N170	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N270/N271	N175/N170	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N271/N272	N175/N170	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N272/N273	N175/N170	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N273/N274	N175/N170	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N274/N170	N175/N170	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N169/N303	N169/N175	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N303/N304	N169/N175	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N304/N305	N169/N175	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N305/N306	N169/N175	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N306/N307	N169/N175	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N307/N308	N169/N175	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N308/N309	N169/N175	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N309/N175	N169/N175	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N168/N338	N168/N169	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N338/N339	N168/N169	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N339/N340	N168/N169	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N340/N341	N168/N169	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N341/N342	N168/N169	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N342/N343	N168/N169	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N343/N344	N168/N169	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N344/N169	N168/N169	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N166/N373	N166/N168	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N373/N374	N166/N168	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N374/N375	N166/N168	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N375/N376	N166/N168	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N376/N377	N166/N168	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N377/N378	N166/N168	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N378/N379	N166/N168	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N379/N168	N166/N168	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N149/N366	N149/N151	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N366/N367	N149/N151	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N367/N368	N149/N151	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N368/N369	N149/N151	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N369/N370	N149/N151	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N370/N371	N149/N151	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N371/N372	N149/N151	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N372/N151	N149/N151	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N151/N331	N151/N152	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N331/N332	N151/N152	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N332/N333	N151/N152	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N333/N334	N151/N152	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N334/N335	N151/N152	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N335/N336	N151/N152	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N336/N337	N151/N152	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N337/N152	N151/N152	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N152/N296	N152/N158	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N296/N297	N152/N158	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N297/N298	N152/N158	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N298/N299	N152/N158	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N299/N300	N152/N158	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N300/N301	N152/N158	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N301/N302	N152/N158	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N302/N158	N152/N158	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N158/N261	N158/N153	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N261/N262	N158/N153	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N262/N263	N158/N153	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N263/N264	N158/N153	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N264/N265	N158/N153	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N265/N266	N158/N153	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N266/N267	N158/N153	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N267/N153	N158/N153	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N141/N254	N141/N136	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N254/N255	N141/N136	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N255/N256	N141/N136	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N256/N257	N141/N136	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N257/N258	N141/N136	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N258/N259	N141/N136	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N259/N260	N141/N136	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N260/N136	N141/N136	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N110/N240	N110/N26	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	0.625	4.375
		N240/N241	N110/N26	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	0.625	4.375
		N241/N242	N110/N26	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	0.625	4.375
		N242/N243	N110/N26	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	0.625	4.375
		N243/N244	N110/N26	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	0.625	4.375
		N244/N245	N110/N26	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	0.625	4.375
		N245/N246	N110/N26	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	0.625	4.375
		N246/N26	N110/N26	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	0.625	4.375



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N124/N247	N124/N119	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N247/N248	N124/N119	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N248/N249	N124/N119	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N249/N250	N124/N119	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N250/N251	N124/N119	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N251/N252	N124/N119	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N252/N253	N124/N119	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N253/N119	N124/N119	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N118/N282	N118/N124	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N282/N283	N118/N124	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N283/N284	N118/N124	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N284/N285	N118/N124	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N285/N286	N118/N124	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N286/N287	N118/N124	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N287/N288	N118/N124	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N288/N124	N118/N124	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N111/N275	N111/N110	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N275/N276	N111/N110	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N276/N277	N111/N110	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N277/N278	N111/N110	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N278/N279	N111/N110	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N279/N280	N111/N110	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N280/N281	N111/N110	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N281/N110	N111/N110	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N135/N289	N135/N141	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N289/N290	N135/N141	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N290/N291	N135/N141	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N291/N292	N135/N141	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N292/N293	N135/N141	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-



Listados

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N293/N294	N135/N141	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N294/N295	N135/N141	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N295/N141	N135/N141	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N134/N324	N134/N135	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N324/N325	N134/N135	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N325/N326	N134/N135	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N326/N327	N134/N135	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N327/N328	N134/N135	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N328/N329	N134/N135	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N329/N330	N134/N135	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N330/N135	N134/N135	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N112/N310	N112/N111	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N310/N311	N112/N111	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N311/N312	N112/N111	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N312/N313	N112/N111	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N313/N314	N112/N111	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N314/N315	N112/N111	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N315/N316	N112/N111	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N316/N111	N112/N111	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N117/N317	N117/N118	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N317/N318	N117/N118	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N318/N319	N117/N118	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N319/N320	N117/N118	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N320/N321	N117/N118	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N321/N322	N117/N118	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N322/N323	N117/N118	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N323/N118	N117/N118	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N132/N359	N132/N134	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N359/N360	N132/N134	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N360/N361	N132/N134	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N361/N362	N132/N134	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N362/N363	N132/N134	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N363/N364	N132/N134	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N364/N365	N132/N134	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N365/N134	N132/N134	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N113/N345	N113/N112	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N345/N346	N113/N112	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N346/N347	N113/N112	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N347/N348	N113/N112	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N348/N349	N113/N112	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N349/N350	N113/N112	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N350/N351	N113/N112	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N351/N112	N113/N112	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N115/N352	N115/N117	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N352/N353	N115/N117	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N353/N354	N115/N117	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N354/N355	N115/N117	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N355/N356	N115/N117	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N356/N357	N115/N117	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N357/N358	N115/N117	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N358/N117	N115/N117	2xCF-275x2.5(J-L) (C)	0.625	2.00	1.00	-	-
		N180/N163	N180/N129	CF-100x2.0 (C)	1.350	1.00	1.00	-	-
		N163/N146	N180/N129	CF-100x2.0 (C)	1.350	1.00	1.00	-	-
		N146/N104	N180/N129	CF-100x2.0 (C)	1.350	1.00	1.00	-	-
		N104/N129	N180/N129	CF-100x2.0 (C)	1.350	1.00	1.00	-	-
		N129/N40	N129/N40	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N180/N29	N180/N29	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N180/N33	N180/N33	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N146/N33	N146/N33	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N146/N37	N146/N37	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N129/N37	N129/N37	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N10/N374	N10/N374	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N2/N353	N2/N353	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N113/N353	N113/N353	CF-100x3.0 (C)	1.840	1.00	1.00	-	-



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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N113/N360	N113/N360	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N149/N360	N149/N360	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N149/N374	N149/N374	CF-100x3.0 (C)	1.840	1.00	1.00	-	-
		N374/N367	N374/N353	CF-100x2.0 (C)	1.350	1.00	1.00	-	-
		N367/N360	N374/N353	CF-100x2.0 (C)	1.350	1.00	1.00	-	-
		N360/N346	N374/N353	CF-100x2.0 (C)	1.350	1.00	1.00	-	-
		N346/N353	N374/N353	CF-100x2.0 (C)	1.350	1.00	1.00	-	-
		N390/N387	N390/N389	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N387/N389	N390/N389	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N392/N388	N392/N391	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N388/N391	N392/N391	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N396/N393	N396/N395	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N393/N395	N396/N395	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N398/N394	N398/N397	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N394/N397	N398/N397	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N402/N399	N402/N401	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N399/N401	N402/N401	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N404/N400	N404/N403	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N400/N403	N404/N403	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N408/N405	N408/N407	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N405/N407	N408/N407	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N410/N406	N410/N409	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N406/N409	N410/N409	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N414/N411	N414/N413	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N411/N413	N414/N413	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N416/N412	N416/N415	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N412/N415	N416/N415	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N420/N417	N420/N419	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N417/N419	N420/N419	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N422/N418	N422/N421	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N418/N421	N422/N421	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N426/N423	N426/N425	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N423/N425	N426/N425	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N428/N424	N428/N427	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N424/N427	N428/N427	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N429/N430	N429/N434	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N430/N434	N429/N434	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N431/N432	N431/N433	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N432/N433	N431/N433	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N435/N436	N435/N440	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N436/N440	N435/N440	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N437/N438	N437/N439	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N438/N439	N437/N439	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N441/N442	N441/N446	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N442/N446	N441/N446	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N443/N444	N443/N445	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N444/N445	N443/N445	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N452/N524	N452/N467	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N524/N467	N452/N467	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N451/N523	N451/N468	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N523/N468	N451/N468	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N450/N522	N450/N469	CF-100x2.0 (C)	1.800	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N522/N469	N450/N469	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N449/N521	N449/N470	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N521/N470	N449/N470	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N448/N518	N448/N471	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N518/N471	N448/N471	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N447/N519	N447/N472	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N519/N472	N447/N472	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N453/N527	N453/N473	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N527/N473	N453/N473	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N454/N528	N454/N474	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N528/N474	N454/N474	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N455/N529	N455/N475	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N529/N475	N455/N475	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N456/N530	N456/N476	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N530/N476	N456/N476	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N459/N517	N459/N477	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N517/N477	N459/N477	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N460/N516	N460/N478	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N516/N478	N460/N478	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N457/N532	N457/N479	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N532/N479	N457/N479	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N458/N533	N458/N480	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N533/N480	N458/N480	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N461/N536	N461/N481	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N536/N481	N461/N481	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N462/N537	N462/N482	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N537/N482	N462/N482	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N465/N540	N465/N483	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N540/N483	N465/N483	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N466/N538	N466/N484	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N538/N484	N466/N484	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N541/N542	N541/N542	CF-100x2.0 (C)	0.880	1.00	1.00	-	-
		N543/N544	N543/N544	CF-100x2.0 (C)	0.880	1.00	1.00	-	-
		N545/N546	N545/N546	CF-100x2.0 (C)	0.880	1.00	1.00	-	-
		N547/N548	N547/N548	CF-100x2.0 (C)	0.880	1.00	1.00	-	-
		N549/N550	N549/N550	CF-100x2.0 (C)	0.880	1.00	1.00	-	-
		N532/N194	N532/N194	CF-100x3.0 (C)	0.583	1.00	1.00	-	-
		N534/N533	N534/N533	CF-100x3.0 (C)	0.583	1.00	1.00	-	-
		N533/N532	N533/N532	CF-100x3.0 (C)	0.583	1.00	1.00	-	-
		N551/N552	N551/N553	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N552/N553	N551/N553	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N554/N555	N554/N556	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N555/N556	N554/N556	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N557/N558	N557/N559	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N558/N559	N557/N559	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N560/N561	N560/N562	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N561/N562	N560/N562	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N563/N564	N563/N565	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N564/N565	N563/N565	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N169/N152	N169/N152	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N152/N135	N152/N135	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N111/N118	N111/N118	UF-100x3 (U)	1.350	1.00	1.00	-	-



Listados

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N135/N111	N135/N111	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N168/N151	N168/N151	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N151/N134	N151/N134	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N112/N117	N112/N117	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N134/N112	N134/N112	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N170/N153	N170/N153	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N136/N26	N136/N26	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N26/N119	N26/N119	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N153/N136	N153/N136	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N175/N158	N175/N158	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N141/N110	N141/N110	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N110/N124	N110/N124	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N158/N141	N158/N141	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N124/N22	N124/N48	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N22/N48	N124/N48	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N118/N18	N118/N46	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N18/N46	N118/N46	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N117/N14	N117/N51	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N14/N51	N117/N51	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N49/N24	N49/N170	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N24/N170	N49/N170	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N119/N27	N119/N50	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N27/N50	N119/N50	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N41/N10	N41/N166	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N10/N216	N41/N166	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N216/N166	N41/N166	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N115/N238	N115/N44	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N238/N2	N115/N44	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N2/N44	N115/N44	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N166/N612	N166/N115	UF-100x3 (U)	0.399	1.00	1.00	-	-
		N612/N218	N166/N115	UF-100x3 (U)	0.276	1.00	1.00	-	-
		N218/N149	N166/N115	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N149/N220	N166/N115	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N220/N132	N166/N115	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N132/N222	N166/N115	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N222/N113	N166/N115	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N113/N224	N166/N115	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N224/N115	N166/N115	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N31/N232	N31/N39	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N232/N33	N31/N39	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N33/N230	N31/N39	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N230/N35	N31/N39	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N35/N228	N31/N39	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N228/N37	N31/N39	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N37/N226	N31/N39	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N226/N39	N31/N39	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N39/N236	N39/N43	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N236/N40	N39/N43	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N40/N43	N39/N43	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N42/N29	N42/N31	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N29/N234	N42/N31	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N234/N31	N42/N31	UF-100x3 (U)	0.675	1.00	1.00	-	-



Listados

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N567/N586	N567/N568	2xCF-100x2.0(J-L) (C)	1.800	1.00	1.00	-	-
		N586/N568	N567/N568	2xCF-100x2.0(J-L) (C)	1.580	1.00	1.00	-	-
		N582/N617	N582/N583	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N617/N583	N582/N583	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N586/N615	N586/N585	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N615/N616	N586/N585	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N616/N585	N586/N585	CF-80x2.5 (C)	0.585	1.00	1.00	-	-
		N587/N1406	N587/N588	CF-100x3.0 (C)	1.800	1.00	1.00	-	-
		N1406/N588	N587/N588	CF-100x3.0 (C)	1.580	1.00	1.00	-	-
		N591/N1405	N591/N592	CF-100x3.0 (C)	1.800	1.00	1.00	-	-
		N1405/N592	N591/N592	CF-100x3.0 (C)	1.580	1.00	1.00	-	-
		N608/N661	N608/N607	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N661/N660	N608/N607	CF-80x2.5 (C)	0.583	1.00	1.00	-	-
		N660/N607	N608/N607	CF-80x2.5 (C)	0.585	1.00	1.00	-	-
		N610/N662	N610/N609	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N662/N609	N610/N609	CF-100x2.5 (C)	0.750	1.00	1.00	-	-
		N611/N1407	N611/N612	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N1407/N612	N611/N612	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N590/N677	N590/N612	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N677/N676	N590/N612	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N676/N675	N590/N612	UF-100x4 (U)	0.585	1.00	1.00	-	-
		N675/N674	N590/N612	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N674/N673	N590/N612	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N673/N672	N590/N612	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N672/N671	N590/N612	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N671/N612	N590/N612	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N617/N618	N617/N618	CF-100x2.0 (C)	0.880	1.00	1.00	-	-
		N580/N613	N580/N581	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N613/N581	N580/N581	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N578/N614	N578/N579	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N614/N579	N578/N579	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N576/N584	N576/N577	2xCF-100x2.0(J-L) (C)	1.800	1.00	1.00	-	-
		N584/N583	N576/N577	2xCF-100x2.0(J-L) (C)	0.700	1.00	1.00	-	-
		N583/N577	N576/N577	2xCF-100x2.0(J-L) (C)	0.880	1.00	1.00	-	-
		N574/N585	N574/N575	2xCF-100x2.0(J-L) (C)	1.800	1.00	1.00	-	-
		N585/N582	N574/N575	2xCF-100x2.0(J-L) (C)	0.700	1.00	1.00	-	-
		N582/N575	N574/N575	2xCF-100x2.0(J-L) (C)	0.880	1.00	1.00	-	-
		N464/N514	N464/N486	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N514/N486	N464/N486	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N619/N657	N619/N115	2xCF-250x2.5(J-L) (C)	0.626	1.00	1.00	-	-
		N657/N656	N619/N115	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N656/N655	N619/N115	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N655/N654	N619/N115	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N654/N653	N619/N115	2xCF-250x2.5(J-L) (C)	0.624	1.00	1.00	-	-
		N653/N652	N619/N115	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N652/N651	N619/N115	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N651/N115	N619/N115	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N620/N636	N620/N113	2xCF-250x2.5(J-L) (C)	0.626	1.00	1.00	-	-
		N636/N635	N620/N113	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N635/N634	N620/N113	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N634/N633	N620/N113	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N633/N632	N620/N113	2xCF-250x2.5(J-L) (C)	0.624	1.00	1.00	-	-
		N632/N631	N620/N113	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N631/N630	N620/N113	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N630/N113	N620/N113	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N621/N629	N621/N132	2xCF-250x2.5(J-L) (C)	0.626	1.00	1.00	-	-
		N629/N628	N621/N132	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N628/N627	N621/N132	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N627/N626	N621/N132	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N626/N625	N621/N132	2xCF-250x2.5(J-L) (C)	0.624	1.00	1.00	-	-
		N625/N624	N621/N132	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N624/N623	N621/N132	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N623/N132	N621/N132	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N622/N643	N622/N149	2xCF-250x2.5(J-L) (C)	0.626	1.00	1.00	-	-
		N643/N642	N622/N149	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N642/N641	N622/N149	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N641/N640	N622/N149	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N640/N639	N622/N149	2xCF-250x2.5(J-L) (C)	0.624	1.00	1.00	-	-
		N639/N638	N622/N149	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N638/N637	N622/N149	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N637/N149	N622/N149	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N592/N650	N592/N166	2xCF-250x2.5(J-L) (C)	0.626	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N650/N649	N592/N166	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N649/N648	N592/N166	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N648/N647	N592/N166	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N647/N646	N592/N166	2xCF-250x2.5(J-L) (C)	0.624	1.00	1.00	-	-
		N646/N645	N592/N166	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N645/N644	N592/N166	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N644/N166	N592/N166	2xCF-250x2.5(J-L) (C)	0.625	1.00	1.00	-	-
		N662/N663	N662/N663	CF-100x2.0 (C)	0.880	1.00	1.00	-	-
		N600/N661	N600/N601	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N661/N601	N600/N601	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N598/N660	N598/N599	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N660/N599	N598/N599	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N596/N607	N596/N597	2xCF-100x2.0(J-L) (C)	1.800	1.00	1.00	-	-
		N607/N610	N596/N597	2xCF-100x2.0(J-L) (C)	0.700	1.00	1.00	-	-
		N610/N597	N596/N597	2xCF-100x2.0(J-L) (C)	0.880	1.00	1.00	-	-
		N594/N606	N594/N595	2xCF-100x2.0(J-L) (C)	1.800	1.00	1.00	-	-
		N606/N609	N594/N595	2xCF-100x2.0(J-L) (C)	0.700	1.00	1.00	-	-
		N609/N595	N594/N595	2xCF-100x2.0(J-L) (C)	0.880	1.00	1.00	-	-
		N604/N659	N604/N605	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N659/N605	N604/N605	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N602/N658	N602/N603	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N658/N603	N602/N603	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N2/N445	N2/N14	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N445/N446	N2/N14	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N446/N72	N2/N14	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N72/N565	N2/N14	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N565/N71	N2/N14	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N71/N427	N2/N14	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N427/N425	N2/N14	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N425/N14	N2/N14	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N593/N601	N593/N2	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N601/N599	N593/N2	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N599/N597	N593/N2	UF-100x5 (U)	0.585	1.00	1.00	-	-
		N597/N663	N593/N2	UF-100x5 (U)	0.750	1.00	1.00	-	-
		N663/N595	N593/N2	UF-100x5 (U)	0.750	1.00	1.00	-	-
		N595/N605	N593/N2	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N605/N603	N593/N2	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N603/N2	N593/N2	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N27/N403	N27/N40	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N403/N401	N27/N40	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N401/N56	N27/N40	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N56/N553	N27/N40	UF-100x4 (U)	0.750	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N553/N55	N27/N40	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N55/N439	N27/N40	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N439/N440	N27/N40	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N440/N40	N27/N40	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N568/N571	N568/N10	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N571/N573	N568/N10	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N573/N575	N568/N10	UF-100x5 (U)	0.585	1.00	1.00	-	-
		N575/N618	N568/N10	UF-100x5 (U)	0.750	1.00	1.00	-	-
		N618/N577	N568/N10	UF-100x5 (U)	0.750	1.00	1.00	-	-
		N577/N579	N568/N10	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N579/N581	N568/N10	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N581/N10	N568/N10	UF-100x5 (U)	0.583	1.00	1.00	-	-
		N24/N469	N24/N29	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N469/N470	N24/N29	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N470/N78	N24/N29	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N78/N548	N24/N29	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N548/N77	N24/N29	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N77/N471	N24/N29	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N471/N472	N24/N29	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N472/N29	N24/N29	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N669/N671	N669/N671	CF-100x2.0 (C)	3.380	1.00	1.00	-	-
		N668/N672	N668/N672	CF-100x2.0 (C)	3.380	1.00	1.00	-	-
		N667/N673	N667/N673	CF-100x2.0 (C)	3.380	1.00	1.00	-	-
		N670/N674	N670/N674	CF-100x2.0 (C)	3.380	1.00	1.00	-	-
		N666/N675	N666/N675	CF-100x2.0 (C)	3.380	1.00	1.00	-	-
		N665/N676	N665/N676	CF-100x2.0 (C)	3.380	1.00	1.00	-	-
		N664/N677	N664/N677	CF-100x2.0 (C)	3.380	1.00	1.00	-	-
		N723/N1343	N723/N724	2xCF-100x2.0([-]) (C)	1.700	1.00	1.00	-	-
		N1343/N724	N723/N724	2xCF-100x2.0([-]) (C)	1.430	1.00	1.00	-	-
		N725/N803	N725/N724	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N803/N805	N725/N724	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N805/N807	N725/N724	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N807/N809	N725/N724	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N809/N811	N725/N724	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N811/N813	N725/N724	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N813/N815	N725/N724	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N815/N724	N725/N724	UF-100x4 (U)	0.584	1.00	1.00	-	-
		N726/N1334	N726/N727	2xCF-100x2.0([-]) (C)	1.700	1.00	1.00	-	-
		N1334/N727	N726/N727	2xCF-100x2.0([-]) (C)	1.430	1.00	1.00	-	-
		N729/N1336	N729/N728	2xCF-100x2.0([-]) (C)	1.700	1.00	1.00	-	-
		N1336/N728	N729/N728	2xCF-100x2.0([-]) (C)	1.430	1.00	1.00	-	-
		N727/N789	N727/N728	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N789/N791	N727/N728	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N791/N793	N727/N728	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N793/N795	N727/N728	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N795/N797	N727/N728	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N797/N799	N727/N728	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N799/N801	N727/N728	UF-100x4 (U)	0.588	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N801/N728	N727/N728	UF-100x4 (U)	0.584	1.00	1.00	-	-
		N732/N1340	N732/N731	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1340/N736	N732/N731	CF-100x2.0 (C)	0.800	1.00	1.00	-	-
		N736/N731	N732/N731	CF-100x2.0 (C)	0.630	1.00	1.00	-	-
		N734/N1337	N734/N733	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1337/N735	N734/N733	CF-100x2.0 (C)	0.800	1.00	1.00	-	-
		N735/N733	N734/N733	CF-100x2.0 (C)	0.630	1.00	1.00	-	-
		N736/N819	N736/N735	CF-100x2.5 (C)	0.500	1.00	1.00	-	-
		N819/N735	N736/N735	CF-100x2.5 (C)	0.500	1.00	1.00	-	-
		N739/N1364	N739/N738	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1364/N738	N739/N738	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N748/N1357	N748/N749	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1357/N749	N748/N749	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N750/N1358	N750/N751	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1358/N751	N750/N751	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N752/N1359	N752/N753	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1359/N753	N752/N753	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N754/N1360	N754/N755	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1360/N755	N754/N755	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N756/N1355	N756/N757	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1355/N757	N756/N757	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N758/N1330	N758/N759	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1330/N759	N758/N759	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N760/N1354	N760/N761	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1354/N761	N760/N761	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N762/N1353	N762/N763	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1353/N763	N762/N763	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N764/N1362	N764/N765	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1362/N765	N764/N765	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N766/N1363	N766/N767	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1363/N767	N766/N767	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N768/N1365	N768/N769	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1365/N769	N768/N769	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N770/N1366	N770/N771	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1366/N771	N770/N771	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N772/N1368	N772/N773	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1368/N773	N772/N773	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N774/N1369	N774/N775	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1369/N775	N774/N775	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N776/N1370	N776/N777	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1370/N777	N776/N777	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N778/N1371	N778/N779	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1371/N779	N778/N779	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N780/N1332	N780/N781	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1332/N781	N780/N781	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N782/N1373	N782/N783	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1373/N783	N782/N783	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N784/N1339	N784/N785	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1339/N785	N784/N785	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N786/N1372	N786/N787	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1372/N787	N786/N787	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N788/N1374	N788/N789	CF-100x2.0 (C)	1.700	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1374/N789	N788/N789	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N790/N1375	N790/N791	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1375/N791	N790/N791	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N792/N1335	N792/N793	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1335/N793	N792/N793	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N794/N1376	N794/N795	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1376/N795	N794/N795	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N796/N1377	N796/N797	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1377/N797	N796/N797	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N798/N1378	N798/N799	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1378/N799	N798/N799	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N800/N1379	N800/N801	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1379/N801	N800/N801	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N802/N1352	N802/N803	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1352/N803	N802/N803	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N804/N1351	N804/N805	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1351/N805	N804/N805	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N806/N1331	N806/N807	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1331/N807	N806/N807	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N808/N1350	N808/N809	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1350/N809	N808/N809	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N810/N1349	N810/N811	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1349/N811	N810/N811	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N812/N1348	N812/N813	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1348/N813	N812/N813	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N814/N1347	N814/N815	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1347/N815	N814/N815	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N816/N1383	N816/N817	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1383/N817	N816/N817	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N819/N818	N819/N818	CF-100x2.0 (C)	0.630	1.00	1.00	-	-
		N821/N1384	N821/N820	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1384/N820	N821/N820	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N822/N1345	N822/N823	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1345/N823	N822/N823	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N824/N1385	N824/N825	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1385/N825	N824/N825	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N826/N1386	N826/N827	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1386/N827	N826/N827	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N828/N1344	N828/N829	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1344/N829	N828/N829	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N830/N1387	N830/N831	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1387/N831	N830/N831	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N832/N1388	N832/N833	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1388/N833	N832/N833	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N834/N1389	N834/N835	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1389/N835	N834/N835	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N836/N1390	N836/N837	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1390/N837	N836/N837	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N838/N1391	N838/N839	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1391/N839	N838/N839	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N840/N1342	N840/N841	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1342/N845	N840/N841	CF-100x2.0 (C)	0.800	1.00	1.00	-	-



Listados

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N845/N841	N840/N841	CF-100x2.0 (C)	0.630	1.00	1.00	-	-
		N842/N1341	N842/N843	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1341/N844	N842/N843	CF-100x2.0 (C)	0.800	1.00	1.00	-	-
		N844/N843	N842/N843	CF-100x2.0 (C)	0.630	1.00	1.00	-	-
		N844/N846	N844/N845	CF-100x2.5 (C)	0.500	1.00	1.00	-	-
		N846/N845	N844/N845	CF-100x2.5 (C)	0.500	1.00	1.00	-	-
		N846/N847	N846/N847	CF-100x2.0 (C)	0.630	1.00	1.00	-	-
		N848/N1392	N848/N849	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1392/N849	N848/N849	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N850/N1393	N850/N851	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1393/N851	N850/N851	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N852/N1394	N852/N853	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1394/N853	N852/N853	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N854/N1395	N854/N855	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1395/N855	N854/N855	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N856/N1396	N856/N857	CF-100x3.0 (C)	1.700	1.00	1.00	-	-
		N1396/N857	N856/N857	CF-100x3.0 (C)	1.430	1.00	1.00	-	-
		N858/N1382	N858/N859	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1382/N859	N858/N859	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N860/N1346	N860/N861	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1346/N861	N860/N861	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N862/N1381	N862/N863	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1381/N863	N862/N863	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N864/N1380	N864/N865	CF-100x2.0 (C)	1.700	1.00	1.00	-	-
		N1380/N865	N864/N865	CF-100x2.0 (C)	1.430	1.00	1.00	-	-
		N738/N867	N738/N839	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N867/N869	N738/N839	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N869/N871	N738/N839	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N871/N873	N738/N839	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N873/N875	N738/N839	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N875/N877	N738/N839	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N877/N879	N738/N839	UF-100x4 (U)	0.588	1.00	1.00	-	-
		N879/N839	N738/N839	UF-100x4 (U)	0.584	1.00	1.00	-	-
		N866/N1403	N866/N867	CF-100x3.0 (C)	1.700	1.00	1.00	-	-
		N1403/N867	N866/N867	CF-100x3.0 (C)	1.430	1.00	1.00	-	-
		N868/N1402	N868/N869	CF-100x3.0 (C)	1.700	1.00	1.00	-	-
		N1402/N869	N868/N869	CF-100x3.0 (C)	1.430	1.00	1.00	-	-
		N870/N1397	N870/N871	CF-100x3.0 (C)	1.700	1.00	1.00	-	-
		N1397/N871	N870/N871	CF-100x3.0 (C)	1.430	1.00	1.00	-	-
		N872/N1401	N872/N873	CF-100x3.0 (C)	1.700	1.00	1.00	-	-
		N1401/N873	N872/N873	CF-100x3.0 (C)	1.430	1.00	1.00	-	-
		N874/N1400	N874/N875	CF-100x3.0 (C)	1.700	1.00	1.00	-	-
		N1400/N875	N874/N875	CF-100x3.0 (C)	1.430	1.00	1.00	-	-
		N876/N1399	N876/N877	CF-100x3.0 (C)	1.700	1.00	1.00	-	-
		N1399/N877	N876/N877	CF-100x3.0 (C)	1.430	1.00	1.00	-	-
		N878/N1398	N878/N879	CF-100x3.0 (C)	1.700	1.00	1.00	-	-
		N1398/N879	N878/N879	CF-100x3.0 (C)	1.430	1.00	1.00	-	-
		N740/N1273	N740/N843	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1273/N1274	N740/N843	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1274/N1275	N740/N843	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1275/N1276	N740/N843	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1276/N1277	N740/N843	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1277/N1278	N740/N843	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1278/N1279	N740/N843	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1279/N843	N740/N843	2xCF-275x2.5(J-L) (C)	0.584	1.00	1.00	-	-
		N741/N1281	N741/N857	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1281/N1294	N741/N857	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1294/N1293	N741/N857	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1293/N1292	N741/N857	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1292/N1291	N741/N857	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1291/N1290	N741/N857	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1290/N1289	N741/N857	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1289/N857	N741/N857	2xCF-275x2.5(J-L) (C)	0.584	1.00	1.00	-	-
		N753/N1282	N753/N851	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1282/N1283	N753/N851	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1283/N1284	N753/N851	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1284/N1285	N753/N851	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1285/N1286	N753/N851	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1286/N1287	N753/N851	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1287/N1288	N753/N851	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1288/N851	N753/N851	2xCF-275x2.5(J-L) (C)	0.584	1.00	1.00	-	-
		N761/N1280	N761/N863	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1280/N1295	N761/N863	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1295/N1296	N761/N863	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1296/N1297	N761/N863	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1297/N1298	N761/N863	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1298/N1299	N761/N863	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1299/N1300	N761/N863	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1300/N863	N761/N863	2xCF-275x2.5(J-L) (C)	0.584	1.00	1.00	-	-



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N744/N1301	N744/N833	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1301/N1302	N744/N833	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1302/N1303	N744/N833	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1303/N1304	N744/N833	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1304/N1305	N744/N833	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1305/N1306	N744/N833	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1306/N1307	N744/N833	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1307/N833	N744/N833	2xCF-275x2.5(J-L) (C)	0.584	1.00	1.00	-	-
		N775/N1322	N775/N829	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1322/N1323	N775/N829	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1323/N1324	N775/N829	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1324/N1325	N775/N829	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1325/N1326	N775/N829	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1326/N1327	N775/N829	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1327/N1328	N775/N829	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1328/N829	N775/N829	2xCF-275x2.5(J-L) (C)	0.584	1.00	1.00	-	-
		N746/N1321	N746/N823	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1321/N1320	N746/N823	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1320/N1319	N746/N823	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1319/N1318	N746/N823	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1318/N1317	N746/N823	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1317/N1316	N746/N823	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1316/N1315	N746/N823	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1315/N823	N746/N823	2xCF-275x2.5(J-L) (C)	0.584	1.00	1.00	-	-
		N785/N1308	N785/N818	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1308/N1309	N785/N818	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1309/N1310	N785/N818	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1310/N1311	N785/N818	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1311/N1312	N785/N818	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-



Listados

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Fecha: 13/04/20

Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1312/N1313	N785/N818	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1313/N1314	N785/N818	2xCF-275x2.5(J-L) (C)	0.588	1.00	1.00	-	-
		N1314/N818	N785/N818	2xCF-275x2.5(J-L) (C)	0.584	1.00	1.00	-	-
		N20/N175	N20/N175	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N16/N169	N16/N169	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N12/N168	N12/N168	UF-100x3 (U)	1.350	1.00	1.00	-	-
		N89/N476	N89/N20	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N476/N475	N89/N20	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N475/N20	N89/N20	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N90/N544	N90/N89	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N544/N89	N90/N89	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N16/N478	N16/N90	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N478/N477	N16/N90	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N477/N90	N16/N90	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N95/N480	N95/N16	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N480/N479	N95/N16	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N479/N16	N95/N16	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N96/N542	N96/N95	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N542/N95	N96/N95	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N12/N482	N12/N96	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N482/N481	N12/N96	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N481/N96	N12/N96	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N101/N484	N101/N12	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N484/N483	N101/N12	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N483/N12	N101/N12	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N485/N102	N485/N101	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N102/N550	N485/N101	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N550/N101	N485/N101	UF-100x4 (U)	0.750	1.00	1.00	-	-
		N10/N486	N10/N485	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N486/N485	N10/N485	UF-100x4 (U)	0.583	1.00	1.00	-	-
		N725/N763	N725/N741	UF-100x4 (U)	0.433	1.00	1.00	-	-
		N763/N761	N725/N741	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N761/N759	N725/N741	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N759/N757	N725/N741	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N757/N741	N725/N741	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N740/N765	N740/N744	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N765/N767	N740/N744	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N767/N738	N740/N744	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N738/N769	N740/N744	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N769/N771	N740/N744	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N771/N744	N740/N744	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N741/N749	N741/N740	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N749/N751	N741/N740	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N751/N753	N741/N740	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N753/N755	N741/N740	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N755/N740	N741/N740	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N744/N773	N744/N746	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N773/N775	N744/N746	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N775/N777	N744/N746	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N777/N779	N744/N746	UF-100x4 (U)	0.600	1.00	1.00	-	-



Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N779/N746	N744/N746	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N746/N781	N746/N730	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N781/N783	N746/N730	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N783/N785	N746/N730	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N785/N730	N746/N730	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N730/N787	N730/N727	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N787/N727	N730/N727	UF-100x4 (U)	0.367	1.00	1.00	-	-
		N1329/N1353	N1329/N1330	CF-80x2.5 (C)	0.433	1.00	1.00	-	-
		N1353/N1354	N1329/N1330	CF-80x2.5 (C)	0.600	1.00	1.00	-	-
		N1354/N1330	N1329/N1330	CF-80x2.5 (C)	0.600	1.00	1.00	-	-
		N1329/N1352	N1329/N1331	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N1352/N1351	N1329/N1331	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N1351/N1331	N1329/N1331	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N1334/N1374	N1334/N1335	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N1374/N1375	N1334/N1335	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N1375/N1335	N1334/N1335	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N823/N820	N823/N728	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N820/N731	N823/N728	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N731/N818	N823/N728	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N818/N733	N823/N728	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N733/N817	N823/N728	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N817/N728	N823/N728	UF-100x4 (U)	0.367	1.00	1.00	-	-
		N833/N831	N833/N823	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N831/N829	N833/N823	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N829/N827	N833/N823	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N827/N825	N833/N823	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N825/N823	N833/N823	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N843/N847	N843/N833	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N847/N841	N843/N833	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N841/N839	N843/N833	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N839/N837	N843/N833	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N837/N835	N843/N833	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N835/N833	N843/N833	UF-100x4 (U)	0.500	1.00	1.00	-	-
		N857/N855	N857/N843	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N855/N853	N857/N843	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N853/N851	N857/N843	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N851/N849	N857/N843	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N849/N843	N857/N843	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N724/N865	N724/N857	UF-100x4 (U)	0.433	1.00	1.00	-	-
		N865/N863	N724/N857	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N863/N861	N724/N857	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N861/N859	N724/N857	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N859/N857	N724/N857	UF-100x4 (U)	0.600	1.00	1.00	-	-
		N570/N615	N570/N571	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N615/N571	N570/N571	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N572/N616	N572/N573	CF-100x2.0 (C)	1.800	1.00	1.00	-	-
		N616/N573	N572/N573	CF-100x2.0 (C)	1.580	1.00	1.00	-	-
		N1338/N1332	N1338/N1339	CF-80x2.5 (C)	0.500	1.00	1.00	-	-
		N1332/N1373	N1338/N1339	CF-80x2.5 (C)	0.500	1.00	1.00	-	-
		N1373/N1339	N1338/N1339	CF-80x2.5 (C)	0.500	1.00	1.00	-	-
		N1343/N1380	N1343/N1346	CF-80x2.5 (C)	0.433	1.00	1.00	-	-
		N1380/N1381	N1343/N1346	CF-80x2.5 (C)	0.600	1.00	1.00	-	-



Listados

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Descripción									
Material		Barra (Ni/Nf)	Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	β_{xy}	β_{xz}	Lb _{Sup.} (m)	Lb _{Inf.} (m)
Tipo	Designación								
		N1381/N1346	N1343/N1346	CF-80x2.5 (C)	0.600	1.00	1.00	-	-
		N1344/N1386	N1344/N1345	CF-80x2.5 (C)	0.600	1.00	1.00	-	-
		N1386/N1385	N1344/N1345	CF-80x2.5 (C)	0.600	1.00	1.00	-	-
		N1385/N1345	N1344/N1345	CF-80x2.5 (C)	0.600	1.00	1.00	-	-
		N1364/N1403	N1364/N1397	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N1403/N1402	N1364/N1397	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N1402/N1397	N1364/N1397	CF-80x2.5 (C)	0.588	1.00	1.00	-	-
		N679/N568	N679/N590	UF-100x3 (U)	0.600	1.00	1.00	-	-
		N568/N588	N679/N590	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N588/N592	N679/N590	UF-100x3 (U)	0.675	1.00	1.00	-	-
		N592/N590	N679/N590	UF-100x3 (U)	0.399	1.00	1.00	-	-
		N586/N1406	N586/N1404	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N1406/N1405	N586/N1404	CF-80x2.5 (C)	0.675	1.00	1.00	-	-
		N1405/N1404	N586/N1404	CF-80x2.5 (C)	0.399	1.00	1.00	-	-
		N819/N733	N819/N733	CF-100x2.0 (C)	0.804	1.00	1.00	-	-
		N819/N731	N819/N731	CF-100x2.0 (C)	0.804	1.00	1.00	-	-
Notación: Ni: Nudo inicial Nf: Nudo final β_{xy} : Coeficiente de pandeo en el plano 'XY' β_{xz} : Coeficiente de pandeo en el plano 'XZ' Lb _{Sup.} : Separación entre arriostramientos del ala superior Lb _{Inf.} : Separación entre arriostramientos del ala inferior									

2.1.2.3.- Características mecánicas

Tipos de pieza	
Ref.	Piezas
1	N11/N12, N15/N16, N19/N20, N85/N89, N86/N90, N91/N95, N92/N96, N97/N101, N463/N485, N683/N485, N52/N45, N45/N47, N722/N692, N683/N52, N47/N20, N880/N89, N881/N90, N45/N16, N882/N95, N883/N96, N884/N101, N52/N12, N885/N47, N886/N880, N887/N881, N888/N45, N889/N882, N890/N883, N891/N52, N892/N884, N893/N683, N737/N706, N747/N704, N745/N701, N743/N698, N742/N695, N692/N695, N695/N698, N698/N701, N701/N704 y N704/N706
2	N38/N182, N184/N40, N182/N39, N53/N182, N182/N55, N9/N185, N185/N40, N9/N184, N73/N183, N183/N77, N28/N186, N186/N29, N6/N191, N191/N18, N62/N192, N192/N64, N15/N193, N193/N16, N86/N194, N194/N90, N28/N195, N183/N31, N195/N29, N30/N183, N125/N196, N197/N27, N196/N119, N8/N197, N176/N198, N198/N170, N199/N24, N23/N199, N123/N200, N201/N22, N200/N124, N7/N201, N174/N202, N202/N175, N203/N20, N19/N203, N122/N192, N204/N18, N192/N118, N6/N204, N173/N194, N194/N169, N205/N16, N15/N205, N116/N206, N207/N14, N206/N117, N5/N207, N167/N208, N208/N168, N209/N12, N11/N209, N114/N190, N1/N210, N190/N115, N210/N2, N4/N211, N165/N188, N211/N10, N188/N166, N567/N585, N574/N586, N586/N575, N585/N568, N608/N597, N607/N593, N569/N607, N596/N608, N722/N1330, N758/N1329, N1329/N759, N1330/N725, N722/N1331, N806/N1329, N1329/N807, N1331/N725, N726/N1335, N1335/N727, N1334/N793, N792/N1334, N1339/N746, N747/N1339, N1338/N785, N784/N1338, N1344/N823, N822/N1344, N828/N1345, N1345/N829, N1346/N724, N723/N1346, N860/N1343, N1343/N861, N1397/N738, N739/N1397, N870/N1364, N1364/N871, N1404/N568, N567/N1404, N589/N586 y N586/N590



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Tipos de pieza	
Ref.	Piezas
3	N205/N491, N491/N492, N492/N493, N493/N204, N209/N494, N494/N495, N495/N496, N496/N207, N203/N497, N497/N498, N498/N499, N499/N201, N199/N500, N500/N501, N501/N502, N502/N197, N405/N200, N383/N406, N406/N405, N417/N192, N384/N418, N418/N417, N423/N206, N386/N424, N424/N423, N387/N382, N200/N388, N388/N387, N393/N196, N381/N394, N394/N393, N490/N184, N214/N490, N489/N214, N213/N489, N212/N488, N488/N213, N195/N487, N487/N212, N523/N198, N525/N524, N524/N523, N529/N202, N531/N530, N530/N529, N539/N538, N540/N208, N538/N540, N521/N520, N198/N522, N522/N521, N505/N503, N506/N505, N509/N508, N507/N506, N508/N507, N504/N210, N503/N504, N552/N185, N380/N552, N555/N381, N382/N555, N558/N383, N191/N558, N561/N384, N385/N561, N564/N386, N189/N564, N399/N380, N196/N400, N400/N399, N411/N385, N206/N412, N412/N411, N613/N188, N584/N614, N614/N613, N527/N526, N528/N527, N202/N528, N536/N535, N208/N537, N537/N536, N188/N514, N515/N187, N514/N515, N658/N190, N606/N659, N659/N658, N190/N444, N442/N189, N444/N442, N1331/N1350, N1350/N1349, N1349/N1348, N1347/N1343, N1348/N1347, N1330/N1355, N1355/N1356, N1356/N1357, N1358/N1359, N1359/N1360, N1360/N1361, N1361/N1362, N1362/N1363, N1363/N1364, N1364/N1365, N1365/N1366, N1366/N1367, N1367/N1368, N1368/N1369, N1369/N1370, N1370/N1371, N1371/N1338, N1357/N1358, N1339/N1333, N1372/N1334, N1333/N1372, N1335/N1376, N1377/N1378, N1378/N1379, N1379/N1336, N1376/N1377, N1346/N1382, N1384/N1340, N1345/N1384, N1387/N1344, N1388/N1387, N1389/N1388, N1390/N1389, N1391/N1390, N1342/N1391, N1383/N1336, N1337/N1383, N1392/N1341, N1394/N1393, N1395/N1394, N1396/N1395, N1382/N1396, N1393/N1392, N1398/N1391, N1399/N1398, N1400/N1399, N1401/N1400, N1397/N1401, N211/N1407 y N1407/N509
4	N589/N590 y N569/N593
5	N692/N683, N682/N720, N681/N719, N680/N718, N52/N717, N684/N716, N685/N715, N686/N714, N687/N713, N45/N712, N688/N711, N689/N710, N690/N709, N691/N708, N47/N707, N706/N707, N705/N708, N704/N709, N703/N710, N702/N711, N701/N712, N700/N713, N699/N714, N698/N715, N697/N716, N696/N717, N695/N718, N694/N719, N693/N720, N894/N908, N897/N908, N923/N921, N922/N921, N949/N950, N948/N950, N962/N951, N973/N951, N974/N952, N963/N952, N964/N953, N975/N953, N976/N954, N965/N954, N966/N955, N977/N955, N978/N956, N967/N956, N968/N957, N979/N957, N980/N958, N969/N958, N970/N959, N981/N959, N982/N984, N971/N984, N985/N960, N983/N960 y N986/N972



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Tipos de pieza	
Ref.	Piezas
6	N908/N707, N921/N708, N950/N709, N951/N710, N952/N711, N953/N712, N954/N713, N955/N714, N956/N715, N957/N716, N958/N717, N959/N718, N720/N960, N721/N961, N984/N719, N920/N907, N945/N933, N919/N906, N944/N932, N918/N905, N943/N931, N917/N904, N942/N930, N916/N903, N941/N929, N915/N902, N940/N928, N914/N901, N939/N927, N913/N900, N938/N926, N912/N899, N937/N925, N911/N898, N936/N924, N1029/N1018, N1008/N997, N1028/N1017, N1007/N996, N1006/N995, N1027/N1016, N1026/N1015, N1005/N994, N1025/N1014, N1004/N993, N1003/N992, N1024/N1013, N1023/N1012, N1002/N991, N1001/N990, N1022/N1011, N1021/N1010, N1000/N989, N1075/N1064, N1053/N1041, N1052/N1040, N1074/N1063, N1051/N1039, N1050/N1038, N1073/N1062, N1072/N1061, N1049/N1037, N1048/N1036, N1071/N1060, N1047/N1035, N1070/N1059, N1069/N1058, N1046/N1034, N1045/N1033, N1068/N1057, N1119/N1108, N1097/N1086, N1096/N1085, N1118/N1107, N1117/N1106, N1095/N1084, N1094/N1083, N1116/N1105, N1115/N1104, N1093/N1082, N1092/N1081, N1114/N1103, N1113/N1102, N1091/N1080, N1112/N1101, N1090/N1079, N1161/N1150, N1139/N1129, N1138/N1128, N1160/N1149, N1159/N1148, N1137/N1127, N1136/N1126, N1147/N1136, N1158/N1147, N1157/N1146, N1135/N1125, N1156/N1145, N1134/N1124, N1133/N1123, N1155/N1144, N1204/N1205, N1183/N1172, N1182/N1171, N1203/N1193, N1202/N1192, N1181/N1170, N1180/N1169, N1201/N1191, N1200/N1190, N1179/N1168, N1178/N1167, N1177/N1166, N1199/N1189, N1198/N1188, N1222/N1211, N1244/N1233, N1245/N1234, N1223/N1212, N1224/N1213, N1246/N1235, N1247/N1236, N1225/N1214, N1250/N1256, N1251/N1257, N1252/N1258, N1253/N1259, N1254/N1260, N1248/N1237, N1226/N1215, N1255/N1261, N1266/N961, N1266/N1271, N1249/N1238, N1243/N1232, N1227/N1216, N1221/N1210, N909/N895, N910/N896, N947/N935, N946/N934, N998/N987, N999/N988, N1020/N1272, N1019/N1009, N1042/N1030, N1043/N1031, N1044/N1032, N1067/N1056, N1066/N1055, N1065/N1054, N1087/N1076, N1088/N1077, N1089/N1078, N1111/N1100, N1110/N1099, N1109/N1098, N1130/N1120, N1131/N1121, N1132/N1122, N1176/N1165, N1197/N1187, N1153/N1142, N1175/N1164, N1196/N1186, N1152/N1141, N1174/N1163, N1195/N1185, N1151/N1140, N1173/N1162, N1194/N1184, N1217/N1206, N1220/N1209, N1242/N1231, N1265/N1270, N1264/N1269, N1241/N1230, N1219/N1208, N1218/N1207, N1240/N1229, N1263/N1268, N1262/N1267 y N1239/N1228
7	N590/N678
8	N4/N10, N1/N2, N5/N14, N6/N18, N7/N22, N23/N24, N25/N26, N8/N27, N28/N29, N30/N31, N32/N33, N34/N35, N36/N37, N38/N39, N9/N40, N73/N77, N74/N78, N79/N83, N80/N84, N98/N102, N3/N113, N13/N112, N17/N111, N21/N110, N116/N117, N125/N119, N122/N118, N123/N124, N131/N132, N133/N134, N142/N136, N139/N135, N140/N141, N148/N149, N150/N151, N159/N153, N156/N152, N157/N158, N165/N166, N167/N168, N176/N170, N173/N169, N174/N175, N567/N568, N576/N577, N574/N575, N596/N597, N594/N595, N723/N724, N726/N727 y N729/N728
9	N26/N37, N119/N39, N136/N35, N153/N33, N170/N31, N175/N170, N169/N175, N168/N169, N166/N168, N149/N151, N151/N152, N152/N158, N158/N153, N141/N136, N110/N26, N124/N119, N118/N124, N111/N110, N135/N141, N134/N135, N112/N111, N117/N118, N132/N134, N113/N112, N115/N117, N740/N843, N741/N857, N753/N851, N761/N863, N744/N833, N775/N829, N746/N823 y N785/N818



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VESTUARIOS RANILLAS

Fecha: 13/04/20

Tipos de pieza	
Ref.	Piezas
10	N53/N55, N54/N56, N57/N59, N58/N60, N61/N63, N62/N64, N65/N67, N66/N68, N69/N71, N70/N72, N215/N216, N217/N218, N219/N220, N221/N222, N223/N224, N225/N226, N227/N228, N229/N230, N231/N232, N233/N234, N235/N236, N237/N238, N180/N129, N374/N353, N390/N389, N392/N391, N396/N395, N398/N397, N402/N401, N404/N403, N408/N407, N410/N409, N414/N413, N416/N415, N420/N419, N422/N421, N426/N425, N428/N427, N429/N434, N431/N433, N435/N440, N437/N439, N441/N446, N443/N445, N452/N467, N451/N468, N450/N469, N449/N470, N448/N471, N447/N472, N453/N473, N454/N474, N455/N475, N456/N476, N459/N477, N460/N478, N457/N479, N458/N480, N461/N481, N462/N482, N465/N483, N466/N484, N541/N542, N543/N544, N545/N546, N547/N548, N549/N550, N551/N553, N554/N556, N557/N559, N560/N562, N563/N565, N611/N612, N617/N618, N580/N581, N578/N579, N464/N486, N662/N663, N600/N601, N598/N599, N604/N605, N602/N603, N669/N671, N668/N672, N667/N673, N670/N674, N666/N675, N665/N676, N664/N677, N732/N731, N734/N733, N739/N738, N748/N749, N750/N751, N752/N753, N754/N755, N756/N757, N758/N759, N760/N761, N762/N763, N764/N765, N766/N767, N768/N769, N770/N771, N772/N773, N774/N775, N776/N777, N778/N779, N780/N781, N782/N783, N784/N785, N786/N787, N788/N789, N790/N791, N792/N793, N794/N795, N796/N797, N798/N799, N800/N801, N802/N803, N804/N805, N806/N807, N808/N809, N810/N811, N812/N813, N814/N815, N816/N817, N819/N818, N821/N820, N822/N823, N824/N825, N826/N827, N828/N829, N830/N831, N832/N833, N834/N835, N836/N837, N838/N839, N840/N841, N842/N843, N846/N847, N848/N849, N850/N851, N852/N853, N854/N855, N858/N859, N860/N861, N862/N863, N864/N865, N570/N571, N572/N573, N819/N733 y N819/N731
11	N76/N75, N82/N81, N88/N87, N94/N93, N100/N99, N582/N583, N610/N609, N736/N735 y N844/N845
12	N20/N24, N14/N18, N18/N22, N22/N27, N590/N612, N2/N14, N27/N40, N24/N29, N725/N724, N727/N728, N738/N839, N89/N20, N90/N89, N16/N90, N95/N16, N96/N95, N12/N96, N101/N12, N485/N101, N10/N485, N725/N741, N740/N744, N741/N740, N744/N746, N746/N730, N730/N727, N823/N728, N833/N823, N843/N833, N857/N843 y N724/N857
13	N114/N115, N197/N196, N198/N199, N201/N200, N202/N203, N204/N192, N194/N205, N207/N206 y N208/N209
14	N184/N182, N185/N182, N186/N183, N192/N191, N194/N193, N183/N195, N210/N190, N188/N211, N586/N585, N608/N607, N1329/N1330, N1329/N1331, N1334/N1335, N1338/N1339, N1343/N1346, N1344/N1345, N1364/N1397 y N586/N1404
15	N129/N40, N180/N29, N180/N33, N146/N33, N146/N37, N129/N37, N10/N374, N2/N353, N113/N353, N113/N360, N149/N360, N149/N374, N532/N194, N534/N533, N533/N532, N587/N588, N591/N592, N856/N857, N866/N867, N868/N869, N870/N871, N872/N873, N874/N875, N876/N877 y N878/N879
16	N169/N152, N152/N135, N111/N118, N135/N111, N168/N151, N151/N134, N112/N117, N134/N112, N170/N153, N136/N26, N26/N119, N153/N136, N175/N158, N141/N110, N110/N124, N158/N141, N124/N48, N118/N46, N117/N51, N49/N170, N119/N50, N41/N166, N115/N44, N166/N115, N31/N39, N39/N43, N42/N31, N20/N175, N16/N169, N12/N168 y N679/N590
17	N619/N115, N620/N113, N621/N132, N622/N149 y N592/N166
18	N593/N2 y N568/N10

Características mecánicas									
Material		Ref.	Descripción	A (cm²)	Avy (cm²)	Avz (cm²)	Iyy (cm4)	Izz (cm4)	It (cm4)
Tipo	Designación								
Acero laminado	S275 (EN 1993-1-1)	1	HEA-100, (HEA)	21.20	12.00	3.60	349.00	134.00	4.83
		2	R-70x3, (Rectangulares)	2.10	1.75	1.75	8.58	0.02	0.06
		3	Ø12, (Redondos)	1.13	1.02	1.02	0.10	0.10	0.20
		4	HEA-120, (HEA)	25.30	14.40	4.41	606.00	231.00	5.81
		5	R-250x10, (Rectangulares)	25.00	20.83	20.83	1302.08	2.08	8.33
		6	R-150x10, (Rectangulares)	15.00	12.50	12.50	281.25	1.25	5.00
		7	IPE-240, (IPE)	39.10	17.64	12.30	3890.00	284.00	12.00



Listados

VESTUARIOS RANILLAS

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Características mecánicas									
Material		Ref.	Descripción	A (cm ²)	Avy (cm ²)	Avz (cm ²)	Iyy (cm4)	Izz (cm4)	It (cm4)
Tipo	Designación								
Acero conformado	S280GD	8	CF-100x2.0, Doble en I unión genérica, (C) Separación entre los perfiles: 0.0 / 0.0 mm Enlace a distancia dada: 750.0 mm	7.83	2.53	4.20	118.25	30.96	0.10
		9	CF-275x2.5, Doble en I unión genérica, (C) Separación entre los perfiles: 0.0 / 0.0 mm Enlace a distancia dada: 750.0 mm	23.42	6.46	13.33	2588.57	299.90	0.49
		10	CF-100x2.0, (C)	3.92	1.27	2.10	59.12	8.65	0.05
		11	CF-100x2.5, (C)	4.84	1.56	2.60	72.01	10.34	0.10
		12	UF-100x4, (U)	7.40	3.20	3.20	111.11	17.92	0.39
		13	CF-100x3.0, Doble en I unión genérica, (C) Separación entre los perfiles: 0.0 / 0.0 mm Enlace a distancia dada: 750.0 mm	11.41	3.70	6.20	167.03	43.31	0.34
		14	CF-80x2.5, (C)	4.34	1.56	2.19	42.39	9.54	0.09
		15	CF-100x3.0, (C)	5.70	1.85	3.10	83.51	11.74	0.17
		16	UF-100x3, (U)	5.70	2.42	2.42	88.38	14.06	0.17
		17	CF-250x2.5, Doble en I unión genérica, (C) Separación entre los perfiles: 0.0 / 0.0 mm Enlace a distancia dada: 750.0 mm	22.17	6.46	12.29	2065.91	299.88	0.46
	18	UF-100x5, (U)	9.04	3.96	3.96	131.68	21.45	0.75	
Notación: Ref.: Referencia A: Área de la sección transversal Avy: Área de cortante de la sección según el eje local 'Y' Avz: Área de cortante de la sección según el eje local 'Z' Iyy: Inercia de la sección alrededor del eje local 'Y' Izz: Inercia de la sección alrededor del eje local 'Z' It: Inercia a torsión Las características mecánicas de las piezas corresponden a la sección en el punto medio de las mismas.									

2.1.2.4.- Tabla de medición

Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m ³)	Peso (kg)
Tipo	Designación					
Acero laminado	S275 (EN 1993-1-1)	N11/N12	HEA-100 (HEA)	3.380	0.007	56.25
		N15/N16	HEA-100 (HEA)	3.380	0.007	56.25
		N19/N20	HEA-100 (HEA)	3.380	0.007	56.25
		N85/N89	HEA-100 (HEA)	3.380	0.007	56.25
		N86/N90	HEA-100 (HEA)	3.380	0.007	56.25
		N91/N95	HEA-100 (HEA)	3.380	0.007	56.25
		N92/N96	HEA-100 (HEA)	3.380	0.007	56.25
		N97/N101	HEA-100 (HEA)	3.380	0.007	56.25
		N38/N182	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N184/N40	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N182/N39	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N53/N182	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N182/N55	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N9/N185	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N185/N40	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N9/N184	R-70x3 (Rectangulares)	2.250	0.000	3.71



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N73/N183	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N183/N77	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N28/N186	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N186/N29	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N6/N191	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N191/N18	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N62/N192	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N192/N64	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N15/N193	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N193/N16	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N86/N194	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N194/N90	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N28/N195	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N183/N31	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N195/N29	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N30/N183	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N125/N196	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N197/N27	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N196/N119	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N8/N197	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N176/N198	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N198/N170	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N199/N24	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N23/N199	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N123/N200	R-70x3 (Rectangulares)	2.250	0.000	3.71



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N201/N22	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N200/N124	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N7/N201	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N174/N202	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N202/N175	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N203/N20	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N19/N203	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N122/N192	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N204/N18	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N192/N118	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N6/N204	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N173/N194	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N194/N169	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N205/N16	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N15/N205	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N116/N206	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N207/N14	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N206/N117	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N5/N207	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N167/N208	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N208/N168	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N209/N12	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N11/N209	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N114/N190	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N1/N210	R-70x3 (Rectangulares)	2.250	0.000	3.71



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N190/N115	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N210/N2	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N4/N211	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N165/N188	R-70x3 (Rectangulares)	2.250	0.000	3.71
		N211/N10	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N188/N166	R-70x3 (Rectangulares)	2.078	0.000	3.43
		N205/N491	Ø12 (Redondos)	1.350	0.000	1.20
		N491/N492	Ø12 (Redondos)	1.350	0.000	1.20
		N492/N493	Ø12 (Redondos)	1.350	0.000	1.20
		N493/N204	Ø12 (Redondos)	1.350	0.000	1.20
		N209/N494	Ø12 (Redondos)	1.350	0.000	1.20
		N494/N495	Ø12 (Redondos)	1.350	0.000	1.20
		N495/N496	Ø12 (Redondos)	1.350	0.000	1.20
		N496/N207	Ø12 (Redondos)	1.350	0.000	1.20
		N203/N497	Ø12 (Redondos)	1.350	0.000	1.20
		N497/N498	Ø12 (Redondos)	1.350	0.000	1.20
		N498/N499	Ø12 (Redondos)	1.350	0.000	1.20
		N499/N201	Ø12 (Redondos)	1.350	0.000	1.20
		N199/N500	Ø12 (Redondos)	1.350	0.000	1.20
		N500/N501	Ø12 (Redondos)	1.350	0.000	1.20
		N501/N502	Ø12 (Redondos)	1.350	0.000	1.20
		N502/N197	Ø12 (Redondos)	1.350	0.000	1.20
		N405/N200	Ø12 (Redondos)	0.583	0.000	0.52
		N383/N406	Ø12 (Redondos)	0.583	0.000	0.52
		N406/N405	Ø12 (Redondos)	0.583	0.000	0.52
		N417/N192	Ø12 (Redondos)	0.583	0.000	0.52
		N384/N418	Ø12 (Redondos)	0.583	0.000	0.52
		N418/N417	Ø12 (Redondos)	0.583	0.000	0.52
		N423/N206	Ø12 (Redondos)	0.583	0.000	0.52
		N386/N424	Ø12 (Redondos)	0.583	0.000	0.52
		N424/N423	Ø12 (Redondos)	0.583	0.000	0.52
		N387/N382	Ø12 (Redondos)	0.583	0.000	0.52
		N200/N388	Ø12 (Redondos)	0.583	0.000	0.52
		N388/N387	Ø12 (Redondos)	0.583	0.000	0.52
		N393/N196	Ø12 (Redondos)	0.583	0.000	0.52
		N381/N394	Ø12 (Redondos)	0.583	0.000	0.52
		N394/N393	Ø12 (Redondos)	0.583	0.000	0.52
		N490/N184	Ø12 (Redondos)	0.675	0.000	0.60
		N214/N490	Ø12 (Redondos)	0.675	0.000	0.60
		N489/N214	Ø12 (Redondos)	0.675	0.000	0.60
		N213/N489	Ø12 (Redondos)	0.675	0.000	0.60



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N212/N488	Ø12 (Redondos)	0.675	0.000	0.60
		N488/N213	Ø12 (Redondos)	0.675	0.000	0.60
		N195/N487	Ø12 (Redondos)	0.675	0.000	0.60
		N487/N212	Ø12 (Redondos)	0.675	0.000	0.60
		N523/N198	Ø12 (Redondos)	0.583	0.000	0.52
		N525/N524	Ø12 (Redondos)	0.583	0.000	0.52
		N524/N523	Ø12 (Redondos)	0.583	0.000	0.52
		N529/N202	Ø12 (Redondos)	0.583	0.000	0.52
		N531/N530	Ø12 (Redondos)	0.583	0.000	0.52
		N530/N529	Ø12 (Redondos)	0.583	0.000	0.52
		N539/N538	Ø12 (Redondos)	0.583	0.000	0.52
		N540/N208	Ø12 (Redondos)	0.583	0.000	0.52
		N538/N540	Ø12 (Redondos)	0.583	0.000	0.52
		N521/N520	Ø12 (Redondos)	0.583	0.000	0.52
		N198/N522	Ø12 (Redondos)	0.583	0.000	0.52
		N522/N521	Ø12 (Redondos)	0.583	0.000	0.52
		N505/N503	Ø12 (Redondos)	0.675	0.000	0.60
		N506/N505	Ø12 (Redondos)	0.675	0.000	0.60
		N509/N508	Ø12 (Redondos)	0.675	0.000	0.60
		N507/N506	Ø12 (Redondos)	0.675	0.000	0.60
		N508/N507	Ø12 (Redondos)	0.675	0.000	0.60
		N504/N210	Ø12 (Redondos)	0.675	0.000	0.60
		N503/N504	Ø12 (Redondos)	0.675	0.000	0.60
		N552/N185	Ø12 (Redondos)	0.750	0.000	0.67
		N380/N552	Ø12 (Redondos)	0.750	0.000	0.67
		N555/N381	Ø12 (Redondos)	0.750	0.000	0.67
		N382/N555	Ø12 (Redondos)	0.750	0.000	0.67
		N558/N383	Ø12 (Redondos)	0.750	0.000	0.67
		N191/N558	Ø12 (Redondos)	0.750	0.000	0.67
		N561/N384	Ø12 (Redondos)	0.750	0.000	0.67
		N385/N561	Ø12 (Redondos)	0.750	0.000	0.67
		N564/N386	Ø12 (Redondos)	0.750	0.000	0.67
		N189/N564	Ø12 (Redondos)	0.750	0.000	0.67
		N399/N380	Ø12 (Redondos)	0.583	0.000	0.52
		N196/N400	Ø12 (Redondos)	0.583	0.000	0.52
		N400/N399	Ø12 (Redondos)	0.583	0.000	0.52
		N411/N385	Ø12 (Redondos)	0.583	0.000	0.52
		N206/N412	Ø12 (Redondos)	0.583	0.000	0.52
		N412/N411	Ø12 (Redondos)	0.583	0.000	0.52
		N589/N590	HEA-120 (HEA)	3.380	0.009	67.13
		N569/N593	HEA-120 (HEA)	3.380	0.009	67.13
		N567/N585	R-70x3 (Rectangulares)	2.511	0.001	4.14
		N574/N586	R-70x3 (Rectangulares)	2.511	0.001	4.14



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N586/N575	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N585/N568	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N613/N188	Ø12 (Redondos)	0.583	0.000	0.52
		N584/N614	Ø12 (Redondos)	0.583	0.000	0.52
		N614/N613	Ø12 (Redondos)	0.583	0.000	0.52
		N527/N526	Ø12 (Redondos)	0.583	0.000	0.52
		N528/N527	Ø12 (Redondos)	0.583	0.000	0.52
		N202/N528	Ø12 (Redondos)	0.583	0.000	0.52
		N536/N535	Ø12 (Redondos)	0.583	0.000	0.52
		N208/N537	Ø12 (Redondos)	0.583	0.000	0.52
		N537/N536	Ø12 (Redondos)	0.583	0.000	0.52
		N188/N514	Ø12 (Redondos)	0.583	0.000	0.52
		N515/N187	Ø12 (Redondos)	0.583	0.000	0.52
		N514/N515	Ø12 (Redondos)	0.583	0.000	0.52
		N463/N485	HEA-100 (HEA)	3.380	0.007	56.25
		N608/N597	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N607/N593	R-70x3 (Rectangulares)	2.358	0.000	3.89
		N569/N607	R-70x3 (Rectangulares)	2.511	0.001	4.14
		N596/N608	R-70x3 (Rectangulares)	2.511	0.001	4.14
		N658/N190	Ø12 (Redondos)	0.583	0.000	0.52
		N606/N659	Ø12 (Redondos)	0.583	0.000	0.52
		N659/N658	Ø12 (Redondos)	0.583	0.000	0.52
		N190/N444	Ø12 (Redondos)	0.583	0.000	0.52
		N442/N189	Ø12 (Redondos)	0.583	0.000	0.52
		N444/N442	Ø12 (Redondos)	0.583	0.000	0.52
		N683/N485	HEA-100 (HEA)	0.600	0.001	9.99
		N52/N45	HEA-100 (HEA)	5.000	0.011	83.21
		N45/N47	HEA-100 (HEA)	5.000	0.011	83.21
		N692/N683	R-250x10 (Rectangulares)	9.400	0.024	184.47
		N682/N720	R-250x10 (Rectangulares)	4.332	0.011	85.01
		N681/N719	R-250x10 (Rectangulares)	4.112	0.010	80.70
		N680/N718	R-250x10 (Rectangulares)	3.897	0.010	76.48
		N52/N717	R-250x10 (Rectangulares)	3.687	0.009	72.36
		N684/N716	R-250x10 (Rectangulares)	3.484	0.009	68.38
		N685/N715	R-250x10 (Rectangulares)	3.287	0.008	64.51



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Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N686/N714	R-250x10 (Rectangulares)	3.108	0.008	60.99
		N687/N713	R-250x10 (Rectangulares)	2.926	0.007	57.42
		N45/N712	R-250x10 (Rectangulares)	2.771	0.007	54.38
		N688/N711	R-250x10 (Rectangulares)	2.615	0.007	51.32
		N689/N710	R-250x10 (Rectangulares)	2.496	0.006	48.99
		N690/N709	R-250x10 (Rectangulares)	2.376	0.006	46.63
		N691/N708	R-250x10 (Rectangulares)	2.319	0.006	45.52
		N47/N707	R-250x10 (Rectangulares)	2.272	0.006	44.58
		N706/N707	R-250x10 (Rectangulares)	8.198	0.020	160.88
		N705/N708	R-250x10 (Rectangulares)	7.949	0.020	155.99
		N704/N709	R-250x10 (Rectangulares)	7.695	0.019	151.01
		N703/N710	R-250x10 (Rectangulares)	7.454	0.019	146.28
		N702/N711	R-250x10 (Rectangulares)	7.206	0.018	141.42
		N701/N712	R-250x10 (Rectangulares)	6.967	0.017	136.72
		N700/N713	R-250x10 (Rectangulares)	6.721	0.017	131.91
		N699/N714	R-250x10 (Rectangulares)	6.484	0.016	127.24
		N698/N715	R-250x10 (Rectangulares)	6.241	0.016	122.47
		N697/N716	R-250x10 (Rectangulares)	6.004	0.015	117.83
		N696/N717	R-250x10 (Rectangulares)	5.767	0.014	113.19
		N695/N718	R-250x10 (Rectangulares)	5.533	0.014	108.59
		N694/N719	R-250x10 (Rectangulares)	5.301	0.013	104.03
		N693/N720	R-250x10 (Rectangulares)	5.071	0.013	99.53
		N722/N692	HEA-100 (HEA)	3.380	0.007	56.25
		N683/N52	HEA-100 (HEA)	3.833	0.008	63.79
		N47/N20	HEA-100 (HEA)	0.600	0.001	9.99
		N880/N89	HEA-100 (HEA)	0.600	0.001	9.99
		N881/N90	HEA-100 (HEA)	0.600	0.001	9.99
		N45/N16	HEA-100 (HEA)	0.600	0.001	9.99



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N882/N95	HEA-100 (HEA)	0.600	0.001	9.99
		N883/N96	HEA-100 (HEA)	0.600	0.001	9.99
		N884/N101	HEA-100 (HEA)	0.600	0.001	9.99
		N52/N12	HEA-100 (HEA)	0.600	0.001	9.99
		N885/N47	HEA-100 (HEA)	0.849	0.002	14.12
		N886/N880	HEA-100 (HEA)	0.849	0.002	14.12
		N887/N881	HEA-100 (HEA)	0.849	0.002	14.12
		N888/N45	HEA-100 (HEA)	0.849	0.002	14.12
		N889/N882	HEA-100 (HEA)	0.849	0.002	14.12
		N890/N883	HEA-100 (HEA)	0.849	0.002	14.12
		N891/N52	HEA-100 (HEA)	0.849	0.002	14.12
		N892/N884	HEA-100 (HEA)	0.849	0.002	14.12
		N893/N683	HEA-100 (HEA)	0.849	0.002	14.12
		N908/N707	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N894/N908	R-250x10 (Rectangulares)	2.272	0.006	44.58
		N897/N908	R-250x10 (Rectangulares)	8.198	0.020	160.88
		N921/N708	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N923/N921	R-250x10 (Rectangulares)	7.949	0.020	155.99
		N922/N921	R-250x10 (Rectangulares)	2.319	0.006	45.52
		N950/N709	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N951/N710	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N952/N711	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N953/N712	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N954/N713	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N955/N714	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N956/N715	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N957/N716	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N958/N717	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N959/N718	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N720/N960	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N721/N961	R-150x10 (Rectangulares)	0.100	0.000	1.18



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N984/N719	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N949/N950	R-250x10 (Rectangulares)	7.695	0.019	151.01
		N948/N950	R-250x10 (Rectangulares)	2.376	0.006	46.63
		N962/N951	R-250x10 (Rectangulares)	2.496	0.006	48.99
		N973/N951	R-250x10 (Rectangulares)	7.454	0.019	146.28
		N974/N952	R-250x10 (Rectangulares)	7.206	0.018	141.42
		N963/N952	R-250x10 (Rectangulares)	2.615	0.007	51.32
		N964/N953	R-250x10 (Rectangulares)	2.771	0.007	54.38
		N975/N953	R-250x10 (Rectangulares)	6.967	0.017	136.72
		N976/N954	R-250x10 (Rectangulares)	6.721	0.017	131.91
		N965/N954	R-250x10 (Rectangulares)	2.926	0.007	57.42
		N966/N955	R-250x10 (Rectangulares)	3.108	0.008	60.99
		N977/N955	R-250x10 (Rectangulares)	6.484	0.016	127.24
		N978/N956	R-250x10 (Rectangulares)	6.241	0.016	122.47
		N967/N956	R-250x10 (Rectangulares)	3.287	0.008	64.51
		N968/N957	R-250x10 (Rectangulares)	3.484	0.009	68.38
		N979/N957	R-250x10 (Rectangulares)	6.004	0.015	117.83
		N980/N958	R-250x10 (Rectangulares)	5.767	0.014	113.19
		N969/N958	R-250x10 (Rectangulares)	3.687	0.009	72.36
		N970/N959	R-250x10 (Rectangulares)	3.897	0.010	76.48
		N981/N959	R-250x10 (Rectangulares)	5.533	0.014	108.59
		N982/N984	R-250x10 (Rectangulares)	5.301	0.013	104.03
		N971/N984	R-250x10 (Rectangulares)	4.112	0.010	80.70
		N985/N960	R-250x10 (Rectangulares)	4.332	0.011	85.01
		N983/N960	R-250x10 (Rectangulares)	5.071	0.013	99.53



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N986/N972	R-250x10 (Rectangulares)	9.400	0.024	184.47
		N920/N907	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N945/N933	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N919/N906	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N944/N932	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N918/N905	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N943/N931	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N917/N904	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N942/N930	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N916/N903	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N941/N929	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N915/N902	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N940/N928	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N914/N901	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N939/N927	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N913/N900	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N938/N926	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N912/N899	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N937/N925	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N911/N898	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N936/N924	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1029/N1018	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1008/N997	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1028/N1017	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1007/N996	R-150x10 (Rectangulares)	0.100	0.000	1.18



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Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N1006/N995	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1027/N1016	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1026/N1015	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1005/N994	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1025/N1014	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1004/N993	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1003/N992	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1024/N1013	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1023/N1012	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1002/N991	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1001/N990	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1022/N1011	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1021/N1010	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1000/N989	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1075/N1064	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1053/N1041	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1052/N1040	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1074/N1063	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1051/N1039	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1050/N1038	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1073/N1062	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1072/N1061	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1049/N1037	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1048/N1036	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1071/N1060	R-150x10 (Rectangulares)	0.100	0.000	1.18



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N1047/N1035	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1070/N1059	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1069/N1058	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1046/N1034	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1045/N1033	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1068/N1057	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1119/N1108	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1097/N1086	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1096/N1085	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1118/N1107	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1117/N1106	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1095/N1084	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1094/N1083	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1116/N1105	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1115/N1104	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1093/N1082	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1092/N1081	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1114/N1103	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1113/N1102	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1091/N1080	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1112/N1101	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1090/N1079	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1161/N1150	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1139/N1129	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1138/N1128	R-150x10 (Rectangulares)	0.100	0.000	1.18



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N1160/N1149	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1159/N1148	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1137/N1127	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1136/N1126	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1147/N1136	R-150x10 (Rectangulares)	0.901	0.001	10.61
		N1158/N1147	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1157/N1146	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1135/N1125	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1156/N1145	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1134/N1124	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1133/N1123	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1155/N1144	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1204/N1205	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1183/N1172	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1182/N1171	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1203/N1193	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1202/N1192	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1181/N1170	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1180/N1169	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1201/N1191	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1200/N1190	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1179/N1168	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1178/N1167	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1177/N1166	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1199/N1189	R-150x10 (Rectangulares)	0.100	0.000	1.18



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N1198/N1188	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1222/N1211	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1244/N1233	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1245/N1234	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1223/N1212	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1224/N1213	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1246/N1235	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1247/N1236	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1225/N1214	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1250/N1256	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1251/N1257	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1252/N1258	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1253/N1259	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1254/N1260	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1248/N1237	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1226/N1215	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1255/N1261	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1266/N961	R-150x10 (Rectangulares)	0.813	0.001	9.57
		N1266/N1271	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1249/N1238	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1243/N1232	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1227/N1216	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1221/N1210	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N909/N895	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N910/N896	R-150x10 (Rectangulares)	0.100	0.000	1.18



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N947/N935	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N946/N934	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N998/N987	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N999/N988	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1020/N1272	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1019/N1009	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1042/N1030	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1043/N1031	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1044/N1032	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1067/N1056	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1066/N1055	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1065/N1054	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1087/N1076	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1088/N1077	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1089/N1078	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1111/N1100	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1110/N1099	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1109/N1098	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1130/N1120	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1131/N1121	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1132/N1122	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1176/N1165	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1197/N1187	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1153/N1142	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1175/N1164	R-150x10 (Rectangulares)	0.100	0.000	1.18



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N1196/N1186	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1152/N1141	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1174/N1163	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1195/N1185	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1151/N1140	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1173/N1162	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1194/N1184	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1217/N1206	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1220/N1209	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1242/N1231	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1265/N1270	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1264/N1269	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1241/N1230	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1219/N1208	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1218/N1207	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1240/N1229	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1263/N1268	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1262/N1267	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N1239/N1228	R-150x10 (Rectangulares)	0.100	0.000	1.18
		N737/N706	HEA-100 (HEA)	3.380	0.007	56.25
		N747/N704	HEA-100 (HEA)	3.380	0.007	56.25
		N745/N701	HEA-100 (HEA)	3.380	0.007	56.25
		N743/N698	HEA-100 (HEA)	3.380	0.007	56.25
		N742/N695	HEA-100 (HEA)	3.380	0.007	56.25
		N722/N1330	R-70x3 (Rectangulares)	2.357	0.000	3.89
		N758/N1329	R-70x3 (Rectangulares)	2.357	0.000	3.89
		N1329/N759	R-70x3 (Rectangulares)	2.171	0.000	3.58



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Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N1330/N725	R-70x3 (Rectangulares)	2.171	0.000	3.58
		N722/N1331	R-70x3 (Rectangulares)	2.450	0.001	4.04
		N806/N1329	R-70x3 (Rectangulares)	2.450	0.001	4.04
		N1329/N807	R-70x3 (Rectangulares)	2.271	0.000	3.74
		N1331/N725	R-70x3 (Rectangulares)	2.271	0.000	3.74
		N726/N1335	R-70x3 (Rectangulares)	2.450	0.001	4.04
		N1335/N727	R-70x3 (Rectangulares)	2.271	0.000	3.74
		N1334/N793	R-70x3 (Rectangulares)	2.271	0.000	3.74
		N792/N1334	R-70x3 (Rectangulares)	2.450	0.001	4.04
		N1339/N746	R-70x3 (Rectangulares)	2.072	0.000	3.42
		N747/N1339	R-70x3 (Rectangulares)	2.267	0.000	3.74
		N1338/N785	R-70x3 (Rectangulares)	2.072	0.000	3.42
		N784/N1338	R-70x3 (Rectangulares)	2.267	0.000	3.74
		N1344/N823	R-70x3 (Rectangulares)	2.299	0.000	3.79
		N822/N1344	R-70x3 (Rectangulares)	2.476	0.001	4.08
		N828/N1345	R-70x3 (Rectangulares)	2.476	0.001	4.08
		N1345/N829	R-70x3 (Rectangulares)	2.299	0.000	3.79
		N1346/N724	R-70x3 (Rectangulares)	2.171	0.000	3.58
		N723/N1346	R-70x3 (Rectangulares)	2.357	0.000	3.89
		N860/N1343	R-70x3 (Rectangulares)	2.357	0.000	3.89
		N1343/N861	R-70x3 (Rectangulares)	2.171	0.000	3.58
		N1331/N1350	Ø12 (Redondos)	0.588	0.000	0.52
		N1350/N1349	Ø12 (Redondos)	0.588	0.000	0.52
		N1349/N1348	Ø12 (Redondos)	0.588	0.000	0.52
		N1347/N1343	Ø12 (Redondos)	0.584	0.000	0.52
		N1348/N1347	Ø12 (Redondos)	0.588	0.000	0.52
		N1330/N1355	Ø12 (Redondos)	0.600	0.000	0.53
		N1355/N1356	Ø12 (Redondos)	0.600	0.000	0.53
		N692/N695	HEA-100 (HEA)	2.833	0.006	47.15



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N695/N698	HEA-100 (HEA)	3.000	0.006	49.93
		N698/N701	HEA-100 (HEA)	3.000	0.006	49.93
		N701/N704	HEA-100 (HEA)	3.000	0.006	49.93
		N704/N706	HEA-100 (HEA)	2.000	0.004	33.28
		N1356/N1357	Ø12 (Redondos)	0.600	0.000	0.53
		N1358/N1359	Ø12 (Redondos)	0.600	0.000	0.53
		N1359/N1360	Ø12 (Redondos)	0.600	0.000	0.53
		N1360/N1361	Ø12 (Redondos)	0.600	0.000	0.53
		N1361/N1362	Ø12 (Redondos)	0.500	0.000	0.44
		N1362/N1363	Ø12 (Redondos)	0.500	0.000	0.44
		N1363/N1364	Ø12 (Redondos)	0.500	0.000	0.44
		N1364/N1365	Ø12 (Redondos)	0.500	0.000	0.44
		N1365/N1366	Ø12 (Redondos)	0.500	0.000	0.44
		N1366/N1367	Ø12 (Redondos)	0.500	0.000	0.44
		N1367/N1368	Ø12 (Redondos)	0.600	0.000	0.53
		N1368/N1369	Ø12 (Redondos)	0.600	0.000	0.53
		N1369/N1370	Ø12 (Redondos)	0.600	0.000	0.53
		N1370/N1371	Ø12 (Redondos)	0.600	0.000	0.53
		N1371/N1338	Ø12 (Redondos)	0.600	0.000	0.53
		N1357/N1358	Ø12 (Redondos)	0.600	0.000	0.53
		N1339/N1333	Ø12 (Redondos)	0.500	0.000	0.44
		N1372/N1334	Ø12 (Redondos)	0.367	0.000	0.33
		N1333/N1372	Ø12 (Redondos)	0.500	0.000	0.44
		N1335/N1376	Ø12 (Redondos)	0.588	0.000	0.52
		N1377/N1378	Ø12 (Redondos)	0.588	0.000	0.52
		N1378/N1379	Ø12 (Redondos)	0.588	0.000	0.52
		N1379/N1336	Ø12 (Redondos)	0.584	0.000	0.52
		N1376/N1377	Ø12 (Redondos)	0.588	0.000	0.52
		N1346/N1382	Ø12 (Redondos)	0.600	0.000	0.53
		N1384/N1340	Ø12 (Redondos)	0.500	0.000	0.44
		N1345/N1384	Ø12 (Redondos)	0.500	0.000	0.44
		N1387/N1344	Ø12 (Redondos)	0.600	0.000	0.53
		N1388/N1387	Ø12 (Redondos)	0.600	0.000	0.53
		N1389/N1388	Ø12 (Redondos)	0.500	0.000	0.44
		N1390/N1389	Ø12 (Redondos)	0.500	0.000	0.44
		N1391/N1390	Ø12 (Redondos)	0.500	0.000	0.44
		N1342/N1391	Ø12 (Redondos)	0.500	0.000	0.44
		N1383/N1336	Ø12 (Redondos)	0.367	0.000	0.33
		N1337/N1383	Ø12 (Redondos)	0.500	0.000	0.44
		N1392/N1341	Ø12 (Redondos)	0.600	0.000	0.53
		N1394/N1393	Ø12 (Redondos)	0.600	0.000	0.53
		N1395/N1394	Ø12 (Redondos)	0.600	0.000	0.53
		N1396/N1395	Ø12 (Redondos)	0.600	0.000	0.53
		N1382/N1396	Ø12 (Redondos)	0.600	0.000	0.53
		N1393/N1392	Ø12 (Redondos)	0.600	0.000	0.53



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N1397/N738	R-70x3 (Rectangulares)	2.271	0.000	3.74
		N739/N1397	R-70x3 (Rectangulares)	2.450	0.001	4.04
		N870/N1364	R-70x3 (Rectangulares)	2.450	0.001	4.04
		N1364/N871	R-70x3 (Rectangulares)	2.271	0.000	3.74
		N1398/N1391	Ø12 (Redondos)	0.584	0.000	0.52
		N1399/N1398	Ø12 (Redondos)	0.588	0.000	0.52
		N1400/N1399	Ø12 (Redondos)	0.588	0.000	0.52
		N1401/N1400	Ø12 (Redondos)	0.588	0.000	0.52
		N1397/N1401	Ø12 (Redondos)	0.588	0.000	0.52
		N590/N678	IPE-240 (IPE)	6.951	0.027	213.35
		N1404/N568	R-70x3 (Rectangulares)	2.357	0.000	3.89
		N567/N1404	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N589/N586	R-70x3 (Rectangulares)	2.510	0.001	4.14
		N586/N590	R-70x3 (Rectangulares)	2.357	0.000	3.89
		N211/N1407	Ø12 (Redondos)	0.399	0.000	0.35
		N1407/N509	Ø12 (Redondos)	0.276	0.000	0.25
Acero conformado	S280GD	N4/N10	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N1/N2	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N5/N14	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N6/N18	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N7/N22	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N23/N24	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N25/N26	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N8/N27	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N28/N29	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N30/N31	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N32/N33	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N34/N35	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N36/N37	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N38/N39	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N9/N40	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N26/N37	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N53/N55	CF-100x2.0 (C)	3.380	0.001	10.39
		N54/N56	CF-100x2.0 (C)	3.380	0.001	10.39
		N57/N59	CF-100x2.0 (C)	3.380	0.001	10.39
		N58/N60	CF-100x2.0 (C)	3.380	0.001	10.39
		N61/N63	CF-100x2.0 (C)	3.380	0.001	10.39
		N62/N64	CF-100x2.0 (C)	3.380	0.001	10.39



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N65/N67	CF-100x2.0 (C)	3.380	0.001	10.39
		N66/N68	CF-100x2.0 (C)	3.380	0.001	10.39
		N69/N71	CF-100x2.0 (C)	3.380	0.001	10.39
		N70/N72	CF-100x2.0 (C)	3.380	0.001	10.39
		N73/N77	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N74/N78	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N76/N75	CF-100x2.5 (C)	1.500	0.001	5.69
		N79/N83	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N80/N84	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N82/N81	CF-100x2.5 (C)	1.500	0.001	5.69
		N88/N87	CF-100x2.5 (C)	1.500	0.001	5.69
		N94/N93	CF-100x2.5 (C)	1.500	0.001	5.69
		N98/N102	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N100/N99	CF-100x2.5 (C)	1.500	0.001	5.69
		N20/N24	UF-100x4 (U)	5.000	0.004	29.04
		N14/N18	UF-100x4 (U)	5.000	0.004	29.04
		N18/N22	UF-100x4 (U)	5.000	0.004	29.04
		N22/N27	UF-100x4 (U)	5.000	0.004	29.04
		N3/N113	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N13/N112	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N17/N111	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N21/N110	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N114/N115	2xCF-100x3.0([-]) (C)	3.380	0.004	30.26
		N116/N117	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N125/N119	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N119/N39	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N122/N118	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N123/N124	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N131/N132	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N133/N134	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N142/N136	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N136/N35	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N139/N135	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N140/N141	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N148/N149	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N150/N151	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N159/N153	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N153/N33	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N156/N152	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N157/N158	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N165/N166	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N167/N168	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N176/N170	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N170/N31	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N173/N169	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N174/N175	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79



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Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N184/N182	CF-80x2.5 (C)	1.350	0.001	4.59
		N185/N182	CF-80x2.5 (C)	1.750	0.001	5.96
		N186/N183	CF-80x2.5 (C)	1.750	0.001	5.96
		N192/N191	CF-80x2.5 (C)	1.750	0.001	5.96
		N194/N193	CF-80x2.5 (C)	1.750	0.001	5.96
		N183/N195	CF-80x2.5 (C)	1.350	0.001	4.59
		N197/N196	2xCF-100x3.0([-]) (C)	1.350	0.002	12.09
		N198/N199	2xCF-100x3.0([-]) (C)	1.350	0.002	12.09
		N201/N200	2xCF-100x3.0([-]) (C)	1.350	0.002	12.09
		N202/N203	2xCF-100x3.0([-]) (C)	1.350	0.002	12.09
		N204/N192	2xCF-100x3.0([-]) (C)	1.350	0.002	12.09
		N194/N205	2xCF-100x3.0([-]) (C)	1.350	0.002	12.09
		N207/N206	2xCF-100x3.0([-]) (C)	1.350	0.002	12.09
		N208/N209	2xCF-100x3.0([-]) (C)	1.350	0.002	12.09
		N210/N190	CF-80x2.5 (C)	1.350	0.001	4.59
		N188/N211	CF-80x2.5 (C)	1.350	0.001	4.59
		N215/N216	CF-100x2.0 (C)	3.380	0.001	10.39
		N217/N218	CF-100x2.0 (C)	3.380	0.001	10.39
		N219/N220	CF-100x2.0 (C)	3.380	0.001	10.39
		N221/N222	CF-100x2.0 (C)	3.380	0.001	10.39
		N223/N224	CF-100x2.0 (C)	3.380	0.001	10.39
		N225/N226	CF-100x2.0 (C)	3.380	0.001	10.39
		N227/N228	CF-100x2.0 (C)	3.380	0.001	10.39
		N229/N230	CF-100x2.0 (C)	3.380	0.001	10.39
		N231/N232	CF-100x2.0 (C)	3.380	0.001	10.39
		N233/N234	CF-100x2.0 (C)	3.380	0.001	10.39
		N235/N236	CF-100x2.0 (C)	3.380	0.001	10.39
		N237/N238	CF-100x2.0 (C)	3.380	0.001	10.39
		N175/N170	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N169/N175	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N168/N169	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N166/N168	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N149/N151	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N151/N152	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N152/N158	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N158/N153	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N141/N136	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N110/N26	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N124/N119	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N118/N124	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N111/N110	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N135/N141	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N134/N135	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N112/N111	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N117/N118	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93
		N132/N134	2xCF-275x2.5([-]) (C)	5.000	0.012	91.93



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Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N113/N112	2xCF-275x2.5(J-[]) (C)	5.000	0.012	91.93
		N115/N117	2xCF-275x2.5(J-[]) (C)	5.000	0.012	91.93
		N180/N129	CF-100x2.0 (C)	5.400	0.002	16.60
		N129/N40	CF-100x3.0 (C)	1.840	0.001	8.24
		N180/N29	CF-100x3.0 (C)	1.840	0.001	8.24
		N180/N33	CF-100x3.0 (C)	1.840	0.001	8.24
		N146/N33	CF-100x3.0 (C)	1.840	0.001	8.24
		N146/N37	CF-100x3.0 (C)	1.840	0.001	8.24
		N129/N37	CF-100x3.0 (C)	1.840	0.001	8.24
		N10/N374	CF-100x3.0 (C)	1.840	0.001	8.24
		N2/N353	CF-100x3.0 (C)	1.840	0.001	8.24
		N113/N353	CF-100x3.0 (C)	1.840	0.001	8.24
		N113/N360	CF-100x3.0 (C)	1.840	0.001	8.24
		N149/N360	CF-100x3.0 (C)	1.840	0.001	8.24
		N149/N374	CF-100x3.0 (C)	1.840	0.001	8.24
		N374/N353	CF-100x2.0 (C)	5.400	0.002	16.60
		N390/N389	CF-100x2.0 (C)	3.380	0.001	10.39
		N392/N391	CF-100x2.0 (C)	3.380	0.001	10.39
		N396/N395	CF-100x2.0 (C)	3.380	0.001	10.39
		N398/N397	CF-100x2.0 (C)	3.380	0.001	10.39
		N402/N401	CF-100x2.0 (C)	3.380	0.001	10.39
		N404/N403	CF-100x2.0 (C)	3.380	0.001	10.39
		N408/N407	CF-100x2.0 (C)	3.380	0.001	10.39
		N410/N409	CF-100x2.0 (C)	3.380	0.001	10.39
		N414/N413	CF-100x2.0 (C)	3.380	0.001	10.39
		N416/N415	CF-100x2.0 (C)	3.380	0.001	10.39
		N420/N419	CF-100x2.0 (C)	3.380	0.001	10.39
		N422/N421	CF-100x2.0 (C)	3.380	0.001	10.39
		N426/N425	CF-100x2.0 (C)	3.380	0.001	10.39
		N428/N427	CF-100x2.0 (C)	3.380	0.001	10.39
		N429/N434	CF-100x2.0 (C)	3.380	0.001	10.39
		N431/N433	CF-100x2.0 (C)	3.380	0.001	10.39
		N435/N440	CF-100x2.0 (C)	3.380	0.001	10.39
		N437/N439	CF-100x2.0 (C)	3.380	0.001	10.39
		N441/N446	CF-100x2.0 (C)	3.380	0.001	10.39
		N443/N445	CF-100x2.0 (C)	3.380	0.001	10.39
		N452/N467	CF-100x2.0 (C)	3.380	0.001	10.39
		N451/N468	CF-100x2.0 (C)	3.380	0.001	10.39
		N450/N469	CF-100x2.0 (C)	3.380	0.001	10.39
		N449/N470	CF-100x2.0 (C)	3.380	0.001	10.39
		N448/N471	CF-100x2.0 (C)	3.380	0.001	10.39
		N447/N472	CF-100x2.0 (C)	3.380	0.001	10.39
		N453/N473	CF-100x2.0 (C)	3.380	0.001	10.39
		N454/N474	CF-100x2.0 (C)	3.380	0.001	10.39
		N455/N475	CF-100x2.0 (C)	3.380	0.001	10.39
		N456/N476	CF-100x2.0 (C)	3.380	0.001	10.39



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Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N459/N477	CF-100x2.0 (C)	3.380	0.001	10.39
		N460/N478	CF-100x2.0 (C)	3.380	0.001	10.39
		N457/N479	CF-100x2.0 (C)	3.380	0.001	10.39
		N458/N480	CF-100x2.0 (C)	3.380	0.001	10.39
		N461/N481	CF-100x2.0 (C)	3.380	0.001	10.39
		N462/N482	CF-100x2.0 (C)	3.380	0.001	10.39
		N465/N483	CF-100x2.0 (C)	3.380	0.001	10.39
		N466/N484	CF-100x2.0 (C)	3.380	0.001	10.39
		N541/N542	CF-100x2.0 (C)	0.880	0.000	2.71
		N543/N544	CF-100x2.0 (C)	0.880	0.000	2.71
		N545/N546	CF-100x2.0 (C)	0.880	0.000	2.71
		N547/N548	CF-100x2.0 (C)	0.880	0.000	2.71
		N549/N550	CF-100x2.0 (C)	0.880	0.000	2.71
		N532/N194	CF-100x3.0 (C)	0.583	0.000	2.61
		N534/N533	CF-100x3.0 (C)	0.583	0.000	2.61
		N533/N532	CF-100x3.0 (C)	0.583	0.000	2.61
		N551/N553	CF-100x2.0 (C)	3.380	0.001	10.39
		N554/N556	CF-100x2.0 (C)	3.380	0.001	10.39
		N557/N559	CF-100x2.0 (C)	3.380	0.001	10.39
		N560/N562	CF-100x2.0 (C)	3.380	0.001	10.39
		N563/N565	CF-100x2.0 (C)	3.380	0.001	10.39
		N169/N152	UF-100x3 (U)	1.350	0.001	6.04
		N152/N135	UF-100x3 (U)	1.350	0.001	6.04
		N111/N118	UF-100x3 (U)	1.350	0.001	6.04
		N135/N111	UF-100x3 (U)	1.350	0.001	6.04
		N168/N151	UF-100x3 (U)	1.350	0.001	6.04
		N151/N134	UF-100x3 (U)	1.350	0.001	6.04
		N112/N117	UF-100x3 (U)	1.350	0.001	6.04
		N134/N112	UF-100x3 (U)	1.350	0.001	6.04
		N170/N153	UF-100x3 (U)	1.350	0.001	6.04
		N136/N26	UF-100x3 (U)	1.350	0.001	6.04
		N26/N119	UF-100x3 (U)	1.350	0.001	6.04
		N153/N136	UF-100x3 (U)	1.350	0.001	6.04
		N175/N158	UF-100x3 (U)	1.350	0.001	6.04
		N141/N110	UF-100x3 (U)	1.350	0.001	6.04
		N110/N124	UF-100x3 (U)	1.350	0.001	6.04
		N158/N141	UF-100x3 (U)	1.350	0.001	6.04
		N124/N48	UF-100x3 (U)	1.950	0.001	8.73
		N118/N46	UF-100x3 (U)	1.950	0.001	8.73
		N117/N51	UF-100x3 (U)	1.950	0.001	8.73
		N49/N170	UF-100x3 (U)	1.950	0.001	8.73
		N119/N50	UF-100x3 (U)	1.950	0.001	8.73
		N41/N166	UF-100x3 (U)	1.950	0.001	8.73
		N115/N44	UF-100x3 (U)	1.950	0.001	8.73
		N166/N115	UF-100x3 (U)	5.400	0.003	24.17
		N31/N39	UF-100x3 (U)	5.400	0.003	24.17



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N39/N43	UF-100x3 (U)	1.950	0.001	8.73
		N42/N31	UF-100x3 (U)	1.950	0.001	8.73
		N567/N568	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N582/N583	CF-100x2.5 (C)	1.500	0.001	5.69
		N586/N585	CF-80x2.5 (C)	1.751	0.001	5.96
		N587/N588	CF-100x3.0 (C)	3.380	0.002	15.13
		N591/N592	CF-100x3.0 (C)	3.380	0.002	15.13
		N608/N607	CF-80x2.5 (C)	1.751	0.001	5.96
		N610/N609	CF-100x2.5 (C)	1.500	0.001	5.69
		N611/N612	CF-100x2.0 (C)	3.380	0.001	10.39
		N590/N612	UF-100x4 (U)	5.000	0.004	29.04
		N617/N618	CF-100x2.0 (C)	0.880	0.000	2.71
		N580/N581	CF-100x2.0 (C)	3.380	0.001	10.39
		N578/N579	CF-100x2.0 (C)	3.380	0.001	10.39
		N576/N577	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N574/N575	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N464/N486	CF-100x2.0 (C)	3.380	0.001	10.39
		N619/N115	2xCF-250x2.5([-]) (C)	5.000	0.011	87.02
		N620/N113	2xCF-250x2.5([-]) (C)	5.000	0.011	87.02
		N621/N132	2xCF-250x2.5([-]) (C)	5.000	0.011	87.02
		N622/N149	2xCF-250x2.5([-]) (C)	5.000	0.011	87.02
		N592/N166	2xCF-250x2.5([-]) (C)	5.000	0.011	87.02
		N662/N663	CF-100x2.0 (C)	0.880	0.000	2.71
		N600/N601	CF-100x2.0 (C)	3.380	0.001	10.39
		N598/N599	CF-100x2.0 (C)	3.380	0.001	10.39
		N596/N597	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N594/N595	2xCF-100x2.0([-]) (C)	3.380	0.003	20.79
		N604/N605	CF-100x2.0 (C)	3.380	0.001	10.39
		N602/N603	CF-100x2.0 (C)	3.380	0.001	10.39
		N2/N14	UF-100x4 (U)	5.000	0.004	29.04
		N593/N2	UF-100x5 (U)	5.000	0.005	35.48
		N27/N40	UF-100x4 (U)	5.000	0.004	29.04
		N568/N10	UF-100x5 (U)	5.000	0.005	35.48
		N24/N29	UF-100x4 (U)	5.000	0.004	29.04
		N669/N671	CF-100x2.0 (C)	3.380	0.001	10.39
		N668/N672	CF-100x2.0 (C)	3.380	0.001	10.39
		N667/N673	CF-100x2.0 (C)	3.380	0.001	10.39
		N670/N674	CF-100x2.0 (C)	3.380	0.001	10.39
		N666/N675	CF-100x2.0 (C)	3.380	0.001	10.39
		N665/N676	CF-100x2.0 (C)	3.380	0.001	10.39
		N664/N677	CF-100x2.0 (C)	3.380	0.001	10.39
		N723/N724	2xCF-100x2.0([-]) (C)	3.130	0.002	19.25
		N725/N724	UF-100x4 (U)	4.700	0.003	27.30
		N726/N727	2xCF-100x2.0([-]) (C)	3.130	0.002	19.25
		N729/N728	2xCF-100x2.0([-]) (C)	3.130	0.002	19.25
		N727/N728	UF-100x4 (U)	4.700	0.003	27.30



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N732/N731	CF-100x2.0 (C)	3.130	0.001	9.62
		N734/N733	CF-100x2.0 (C)	3.130	0.001	9.62
		N736/N735	CF-100x2.5 (C)	1.000	0.000	3.80
		N739/N738	CF-100x2.0 (C)	3.130	0.001	9.62
		N748/N749	CF-100x2.0 (C)	3.130	0.001	9.62
		N750/N751	CF-100x2.0 (C)	3.130	0.001	9.62
		N752/N753	CF-100x2.0 (C)	3.130	0.001	9.62
		N754/N755	CF-100x2.0 (C)	3.130	0.001	9.62
		N756/N757	CF-100x2.0 (C)	3.130	0.001	9.62
		N758/N759	CF-100x2.0 (C)	3.130	0.001	9.62
		N760/N761	CF-100x2.0 (C)	3.130	0.001	9.62
		N762/N763	CF-100x2.0 (C)	3.130	0.001	9.62
		N764/N765	CF-100x2.0 (C)	3.130	0.001	9.62
		N766/N767	CF-100x2.0 (C)	3.130	0.001	9.62
		N768/N769	CF-100x2.0 (C)	3.130	0.001	9.62
		N770/N771	CF-100x2.0 (C)	3.130	0.001	9.62
		N772/N773	CF-100x2.0 (C)	3.130	0.001	9.62
		N774/N775	CF-100x2.0 (C)	3.130	0.001	9.62
		N776/N777	CF-100x2.0 (C)	3.130	0.001	9.62
		N778/N779	CF-100x2.0 (C)	3.130	0.001	9.62
		N780/N781	CF-100x2.0 (C)	3.130	0.001	9.62
		N782/N783	CF-100x2.0 (C)	3.130	0.001	9.62
		N784/N785	CF-100x2.0 (C)	3.130	0.001	9.62
		N786/N787	CF-100x2.0 (C)	3.130	0.001	9.62
		N788/N789	CF-100x2.0 (C)	3.130	0.001	9.62
		N790/N791	CF-100x2.0 (C)	3.130	0.001	9.62
		N792/N793	CF-100x2.0 (C)	3.130	0.001	9.62
		N794/N795	CF-100x2.0 (C)	3.130	0.001	9.62
		N796/N797	CF-100x2.0 (C)	3.130	0.001	9.62
		N798/N799	CF-100x2.0 (C)	3.130	0.001	9.62
		N800/N801	CF-100x2.0 (C)	3.130	0.001	9.62
		N802/N803	CF-100x2.0 (C)	3.130	0.001	9.62
		N804/N805	CF-100x2.0 (C)	3.130	0.001	9.62
		N806/N807	CF-100x2.0 (C)	3.130	0.001	9.62
		N808/N809	CF-100x2.0 (C)	3.130	0.001	9.62
		N810/N811	CF-100x2.0 (C)	3.130	0.001	9.62
		N812/N813	CF-100x2.0 (C)	3.130	0.001	9.62
		N814/N815	CF-100x2.0 (C)	3.130	0.001	9.62
		N816/N817	CF-100x2.0 (C)	3.130	0.001	9.62
		N819/N818	CF-100x2.0 (C)	0.630	0.000	1.94
		N821/N820	CF-100x2.0 (C)	3.130	0.001	9.62
		N822/N823	CF-100x2.0 (C)	3.130	0.001	9.62
		N824/N825	CF-100x2.0 (C)	3.130	0.001	9.62
		N826/N827	CF-100x2.0 (C)	3.130	0.001	9.62
		N828/N829	CF-100x2.0 (C)	3.130	0.001	9.62
		N830/N831	CF-100x2.0 (C)	3.130	0.001	9.62



Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N832/N833	CF-100x2.0 (C)	3.130	0.001	9.62
		N834/N835	CF-100x2.0 (C)	3.130	0.001	9.62
		N836/N837	CF-100x2.0 (C)	3.130	0.001	9.62
		N838/N839	CF-100x2.0 (C)	3.130	0.001	9.62
		N840/N841	CF-100x2.0 (C)	3.130	0.001	9.62
		N842/N843	CF-100x2.0 (C)	3.130	0.001	9.62
		N844/N845	CF-100x2.5 (C)	1.000	0.000	3.80
		N846/N847	CF-100x2.0 (C)	0.630	0.000	1.94
		N848/N849	CF-100x2.0 (C)	3.130	0.001	9.62
		N850/N851	CF-100x2.0 (C)	3.130	0.001	9.62
		N852/N853	CF-100x2.0 (C)	3.130	0.001	9.62
		N854/N855	CF-100x2.0 (C)	3.130	0.001	9.62
		N856/N857	CF-100x3.0 (C)	3.130	0.002	14.01
		N858/N859	CF-100x2.0 (C)	3.130	0.001	9.62
		N860/N861	CF-100x2.0 (C)	3.130	0.001	9.62
		N862/N863	CF-100x2.0 (C)	3.130	0.001	9.62
		N864/N865	CF-100x2.0 (C)	3.130	0.001	9.62
		N738/N839	UF-100x4 (U)	4.700	0.003	27.30
		N866/N867	CF-100x3.0 (C)	3.130	0.002	14.01
		N868/N869	CF-100x3.0 (C)	3.130	0.002	14.01
		N870/N871	CF-100x3.0 (C)	3.130	0.002	14.01
		N872/N873	CF-100x3.0 (C)	3.130	0.002	14.01
		N874/N875	CF-100x3.0 (C)	3.130	0.002	14.01
		N876/N877	CF-100x3.0 (C)	3.130	0.002	14.01
		N878/N879	CF-100x3.0 (C)	3.130	0.002	14.01
		N740/N843	2xCF-275x2.5([-]) (C)	4.700	0.011	86.41
		N741/N857	2xCF-275x2.5([-]) (C)	4.700	0.011	86.41
		N753/N851	2xCF-275x2.5([-]) (C)	4.700	0.011	86.41
		N761/N863	2xCF-275x2.5([-]) (C)	4.700	0.011	86.41
		N744/N833	2xCF-275x2.5([-]) (C)	4.700	0.011	86.41
		N775/N829	2xCF-275x2.5([-]) (C)	4.700	0.011	86.41
		N746/N823	2xCF-275x2.5([-]) (C)	4.700	0.011	86.41
		N785/N818	2xCF-275x2.5([-]) (C)	4.700	0.011	86.41
		N20/N175	UF-100x3 (U)	1.350	0.001	6.04
		N16/N169	UF-100x3 (U)	1.350	0.001	6.04
		N12/N168	UF-100x3 (U)	1.350	0.001	6.04
		N89/N20	UF-100x4 (U)	1.750	0.001	10.16
		N90/N89	UF-100x4 (U)	1.500	0.001	8.71
		N16/N90	UF-100x4 (U)	1.750	0.001	10.16
		N95/N16	UF-100x4 (U)	1.750	0.001	10.16
		N96/N95	UF-100x4 (U)	1.500	0.001	8.71
		N12/N96	UF-100x4 (U)	1.750	0.001	10.16
		N101/N12	UF-100x4 (U)	1.750	0.001	10.16
		N485/N101	UF-100x4 (U)	2.083	0.002	12.10
		N10/N485	UF-100x4 (U)	1.167	0.001	6.78
		N725/N741	UF-100x4 (U)	2.833	0.002	16.46



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Tabla de medición						
Material		Pieza (Ni/Nf)	Perfil(Serie)	Longitud (m)	Volumen (m³)	Peso (kg)
Tipo	Designación					
		N740/N744	UF-100x4 (U)	3.000	0.002	17.42
		N741/N740	UF-100x4 (U)	3.000	0.002	17.42
		N744/N746	UF-100x4 (U)	3.000	0.002	17.42
		N746/N730	UF-100x4 (U)	2.000	0.001	11.62
		N730/N727	UF-100x4 (U)	0.867	0.001	5.03
		N1329/N1330	CF-80x2.5 (C)	1.633	0.001	5.56
		N1329/N1331	CF-80x2.5 (C)	1.764	0.001	6.00
		N1334/N1335	CF-80x2.5 (C)	1.764	0.001	6.00
		N823/N728	UF-100x4 (U)	2.867	0.002	16.65
		N833/N823	UF-100x4 (U)	3.000	0.002	17.42
		N843/N833	UF-100x4 (U)	3.000	0.002	17.42
		N857/N843	UF-100x4 (U)	3.000	0.002	17.42
		N724/N857	UF-100x4 (U)	2.833	0.002	16.46
		N570/N571	CF-100x2.0 (C)	3.380	0.001	10.39
		N572/N573	CF-100x2.0 (C)	3.380	0.001	10.39
		N1338/N1339	CF-80x2.5 (C)	1.500	0.001	5.10
		N1343/N1346	CF-80x2.5 (C)	1.633	0.001	5.56
		N1344/N1345	CF-80x2.5 (C)	1.800	0.001	6.13
		N1364/N1397	CF-80x2.5 (C)	1.764	0.001	6.00
		N679/N590	UF-100x3 (U)	2.349	0.001	10.51
		N586/N1404	CF-80x2.5 (C)	1.749	0.001	5.95
		N819/N733	CF-100x2.0 (C)	0.804	0.000	2.47
		N819/N731	CF-100x2.0 (C)	0.804	0.000	2.47
Notación: Ni: Nudo inicial Nf: Nudo final						

2.1.2.5.- Resumen de medición

Resumen de medición												
Material		Serie	Perfil	Longitud			Volumen			Peso		
Tipo	Designación			Perfil (m)	Serie (m)	Material (m)	Perfil (m³)	Serie (m³)	Material (m³)	Perfil (kg)	Serie (kg)	Material (kg)
Acero laminado	S275 (EN 1993-1-1)	HEA	HEA-100	91.403	98.163		0.194	0.211		1521.14	1655.39	
			HEA-120	6.760			0.017			134.26		
			R-70x3	236.701			0.050			390.20		
			R-250x10	291.344			0.728			5717.63		
		Rectangulares	R-150x10	19.814	547.859		0.030	0.808		233.31	6341.14	
			Ø12	99.289			0.011			88.15		
		Redondos			99.289			0.011			88.15	
			IPE-240	6.951			0.027			213.35		
		IPE			6.951		0.027	0.027	1.057	213.35	213.35	
						752.262						8298.03
Acero conformado	S280GD	C	CF-100x2.0, Doble en I unión genérica	171.630	949.576		0.134	0.825		1055.47	6475.25	
			CF-275x2.5, Doble en I unión genérica	162.600			0.381			2989.42		
			CF-100x2.0	478.529			0.187			1471.40		
			CF-100x2.5	12.500			0.006			47.45		
			CF-100x3.0, Doble en I unión genérica	14.180			0.016			126.96		
			CF-80x2.5	29.510			0.013			100.43		
			CF-100x3.0	55.628			0.032			249.03		
			CF-250x2.5, Doble en I unión genérica	25.000			0.055			435.10		
		U	UF-100x4	98.500			0.073	0.114	0.939	572.10	895.25	7370.50
			UF-100x3	56.349			0.032			252.20		
			UF-100x5	10.000			0.009			70.95		
					164.849							
						1114.425						



2.2.- Resultados

2.2.1.- Barras

2.2.1.1.- Comprobaciones E.L.U. (Resumido)

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _t	N _c	M _y	M _z	M _y M _z	V _y	V _z	N,M,M _z	N,M,M _z	N,M,M _y V _z	M,N,M _y M _z V _z	
N4/N188	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 1.9	x: 0.675 m η = 36.4	x: 1.8 m η = 0.1	x: 1.8 m η = 4.8	x: 1.8 m η = 4.8	x: 1.8 m η = 0.9	η < 0.1	x: 1.8 m η = 4.2	x: 1.8 m η = 52.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.4
N188/N10	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.4	x: 0 m η = 18.6	x: 0 m η = 0.1	x: 0 m η = 4.8	x: 0 m η = 4.8	x: 0 m η = 0.9	η < 0.1	x: 0 m η = 4.7	x: 0 m η = 33.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 33.6
N1/N190	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 2.2	x: 0.45 m η = 34.4	x: 0.9 m η = 1.3	x: 1.8 m η = 4.7	x: 1.8 m η = 4.8	x: 1.8 m η = 0.9	x: 1.8 m η = 0.4	x: 1.8 m η = 4.6	x: 0.675 m η = 52.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.7
N190/N2	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 17.9	x: 0.79 m η = 1.0	x: 0 m η = 4.7	x: 0 m η = 4.8	x: 0 m η = 0.9	x: 0 m η = 0.3	N.P. ⁽³⁾	x: 0 m η = 33.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 33.4
N5/N206	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 2.1	x: 0.675 m η = 34.6	x: 1.8 m η = 0.7	x: 1.8 m η = 4.9	x: 1.8 m η = 5.6	x: 1.8 m η = 1.0	η < 0.1	x: 1.8 m η = 5.1	x: 1.8 m η = 51.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 51.1
N206/N14	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.4	x: 0 m η = 17.3	x: 0 m η = 0.7	x: 0 m η = 4.9	x: 0 m η = 5.6	x: 0 m η = 0.9	η < 0.1	x: 0 m η = 5.3	x: 0 m η = 33.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 33.2
N6/N192	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 1.2	x: 0.675 m η = 34.8	x: 1.8 m η = 0.3	x: 1.8 m η = 4.9	x: 1.8 m η = 5.2	x: 1.8 m η = 0.9	η < 0.1	x: 1.8 m η = 4.9	x: 0.675 m η = 50.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.7
N192/N18	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η < 0.1	x: 0 m η = 17.2	x: 0 m η = 0.3	x: 0 m η = 4.9	x: 0 m η = 5.2	x: 0 m η = 0.9	η < 0.1	x: 0 m η = 4.9	x: 0 m η = 33.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 33.1
N7/N200	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 2.1	x: 0.675 m η = 34.5	x: 1.8 m η = 0.1	x: 1.8 m η = 4.9	x: 1.8 m η = 5.0	x: 1.8 m η = 0.9	η < 0.1	x: 1.8 m η = 4.5	x: 0.675 m η = 50.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.2
N200/N22	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.4	x: 0 m η = 17.5	x: 0 m η = 0.1	x: 0 m η = 4.9	x: 0 m η = 5.0	x: 0 m η = 0.9	η < 0.1	x: 0 m η = 4.7	x: 0 m η = 31.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.8
N23/N198	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 1.5	x: 0.675 m η = 38.5	x: 1.8 m η = 0.1	x: 1.8 m η = 4.8	x: 1.8 m η = 4.9	x: 1.8 m η = 0.9	η < 0.1	x: 1.8 m η = 4.7	x: 0.675 m η = 54.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.4
N198/N24	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.7	x: 0 m η = 19.5	x: 0 m η = 0.1	x: 0 m η = 4.8	x: 0 m η = 4.9	x: 0 m η = 0.9	η < 0.1	x: 0 m η = 4.7	x: 0 m η = 34.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.5
N25/N502	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 59.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.2	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 72.1	x: 0.9 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 72.1
N502/N26	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.0	N.P. ⁽⁴⁾	x: 0 m η = 0.2	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.0
N8/N196	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 2.0	x: 0.675 m η = 34.3	x: 1.8 m η = 0.1	x: 1.8 m η = 4.8	x: 1.8 m η = 5.0	x: 1.8 m η = 0.9	η < 0.1	x: 1.8 m η = 4.4	x: 1.8 m η = 50.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.0
N196/N27	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.3	x: 0 m η = 17.9	x: 0 m η = 0.1	x: 0 m η = 4.8	x: 0 m η = 5.0	x: 0 m η = 0.9	η < 0.1	x: 0 m η = 4.8	x: 0 m η = 32.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.7
N28/N183	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 0.4	x: 0.45 m η = 31.0	x: 1.8 m η = 1.3	x: 1.8 m η = 2.5	x: 1.8 m η = 3.3	x: 1.8 m η = 0.5	x: 1.8 m η = 0.4	x: 1.8 m η = 3.2	x: 0.675 m η = 46.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.7
N183/N29	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 14.5	x: 0 m η = 1.3	x: 0 m η = 2.5	x: 0 m η = 3.3	x: 0 m η = 0.4	x: 0 m η = 0.4	N.P. ⁽³⁾	x: 0 m η = 28.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.8
N30/N195	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 43.2	x: 1.8 m η = 12.9	x: 1.8 m η = 0.2	x: 1.8 m η = 13.1	η < 0.1	x: 0 m η = 1.4	N.P. ⁽³⁾	x: 1.8 m η = 72.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 72.2
N195/N31	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 28.3	x: 0 m η = 12.9	x: 0 m η = 0.2	x: 0 m η = 13.1	η < 0.1	x: 1.58 m η = 1.4	N.P. ⁽³⁾	x: 0 m η = 60.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 60.0
N32/N212	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 35.0	x: 1.8 m η = 9.8	x: 1.8 m η = 0.1	x: 1.8 m η = 9.9	N.P. ⁽⁶⁾	x: 0 m η = 1.2	N.P. ⁽³⁾	x: 1.575 m η = 58.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.2
N212/N33	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.4	x: 0 m η = 9.8	x: 0 m η = 0.1	x: 0 m η = 9.9	N.P. ⁽⁶⁾	x: 1.58 m η = 1.2	N.P. ⁽³⁾	x: 0 m η = 52.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.5
N34/N213	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 34.4	x: 1.8 m η = 9.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.2	N.P. ⁽³⁾	x: 1.575 m η = 57.3	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.3
N213/N35	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 25.8	x: 0 m η = 9.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.2	N.P. ⁽³⁾	x: 0 m η = 51.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 51.6
N36/N214	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 34.6	x: 1.8 m η = 9.8	x: 1.8 m η = 0.1	x: 1.8 m η = 9.9	N.P. ⁽⁶⁾	x: 0 m η = 1.2	N.P. ⁽³⁾	x: 1.575 m η = 57.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.9
N214/N37	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.1	x: 0 m η = 9.8	x: 0 m η = 0.1	x: 0 m η = 9.9	η < 0.1	x: 1.58 m η = 1.2	N.P. ⁽³⁾	x: 0 m η = 52.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.3
N38/N184	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 45.0	x: 1.8 m η = 12.9	x: 1.8 m η = 0.3	x: 1.8 m η = 13.1	η < 0.1	x: 0 m η = 1.4	N.P. ⁽³⁾	x: 1.8 m η = 74.3	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 74.3
N184/N39	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 28.9	x: 0 m η = 12.9	x: 0 m η = 0.3	x: 0 m η = 13.1	η < 0.1	x: 1.58 m η = 1.4	N.P. ⁽³⁾	x: 0 m η = 60.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 60.8
N9/N182	b / t ≤ (b / t) _{adm.} Cumple	x: 1.8 m η = 0.6	x: 0.45 m η = 26.5	x: 1.8 m η = 1.4	x: 1.8 m η = 2.4	x: 1.8 m η = 3.3	x: 1.8 m η = 0.5	x: 1.8 m η = 0.4	x: 1.8 m η = 3.2	x: 0.675 m η = 41.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 41.9
N182/N40	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.3	x: 0 m η = 1.4	x: 0 m η = 2.4	x: 0 m η = 3.3	x: 0 m η = 0.4	x: 0 m η = 0.4	N.P. ⁽³⁾	x: 0 m η = 25.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.7
N26/N109	b / t ≤ (b / t) _{adm.} Cumple	η = 0.3	x: 0.625 m η = 0.1	x: 0.625 m η = 27.8	x: 0.625 m η = 0.1	x: 0.625 m η = 27.2	η < 0.1	x: 0 m η = 17.9	x: 0.625 m η = 27.8	x: 0.625 m η = 27.2	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N109/N108	b / t ≤ (b / t) _{adm.} Cumple	η = 0.3	x: 0.625 m η = 0.1	x: 0.625 m η = 47.7	x: 0.625 m η = 0.1	x: 0.625 m η = 46.6	η < 0.1	x: 0 m η = 13.4	x: 0.625 m η = 47.7	x: 0.625 m η = 46.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N108/N107	b / t ≤ (b / t) _{adm.} Cumple	η = 0.3	x: 0.625 m η = 0.2	x: 0.625 m η = 59.7	x: 0.625 m η = 0.2	x: 0.625 m η = 59.7	η < 0.1	x: 0 m η = 9.0	x: 0.625 m η = 59.7	x: 0.625 m η = 58.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N107/N106	b / t ≤ (b / t) _{adm.} Cumple	η = 0.3	x: 0.625 m η = 0.2	x: 0.625 m η = 63.7	x: 0.625 m η = 0.3	x: 0.625 m η = 63.7	η < 0.1	x: 0 m η = 4.5	x: 0.625 m η = 63.7	x: 0.625 m η = 62.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N106/N105	b / t ≤ (b / t) _{adm.} Cumple	η = 0.3	x: 0.625 m η = 0.2	x: 0 m η = 63.7	x: 0.625 m η = 0.3	x: 0 m η = 63.7	η < 0.1	x: 0.625 m η = 4.5	x: 0 m η = 63.7	x: 0 m η = 62.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N105/N104	b / t ≤ (b / t) _{adm.} Cumple	η = 0.3	x: 0.625 m η = 0.3	x: 0 m η = 59.7	x: 0.625 m η = 0.4	x: 0 m η = 59.8	η < 0.1	x: 0.625 m η = 8.9	x: 0 m η = 59.7	x: 0 m η = 58.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N104/N103	b / t ≤ (b / t) _{adm.} Cumple	η = 0.3	x: 0 m η = 0.3	x: 0 m η = 47.9	x: 0 m η = 0.4	x: 0 m η = 47.9	η < 0.1	x: 0.625 m η = 13.5	x: 0 m η = 47.9	x: 0 m η = 47.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N103/N37	b / t ≤ (b / t) _{adm.} Cumple	η = 0.3	x: 0 m η = 0.2	x: 0 m η = 27.9	x: 0 m η = 0.2	x: 0 m η = 27.9	η < 0.1	x: 0.625 m η = 18.0	x: 0 m η = 27.9	x: 0 m η = 27.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N53/N185	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 34.3	x: 1.8 m η = 21.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.6	N.P. ⁽³⁾	x: 1.575 m η = 69.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 69.6
N185/N55	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 18.6	x: 0 m η = 21.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.6	N.P. ⁽³⁾	x: 0 m η = 58.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.2
N54/N380	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.0	x: 1.8 m η = 19.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.35 m η = 57.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.1
N380/N56	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 19.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 52.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.4
N57/N381	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.0	x: 1.8 m η = 19.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.35 m η = 57.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.0
N381/N59	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 19.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 52.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.2



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _t	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	N _M M _y V _y	
N58/N382	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.0	x: 1.8 m η = 19.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.35 m η = 57.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.0
N382/N60	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 19.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 52.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.2
N61/N383	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.0	x: 1.8 m η = 19.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.35 m η = 57.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.1
N383/N63	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 19.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 52.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.4
N62/N191	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 33.6	x: 1.8 m η = 21.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.6	N.P. ⁽³⁾	x: 1.575 m η = 68.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 68.7
N191/N64	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 18.4	x: 0 m η = 21.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.6	N.P. ⁽³⁾	x: 0 m η = 57.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.8
N65/N384	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.0	x: 1.8 m η = 19.4	x: 1.8 m η = 0.2	x: 1.8 m η = 19.6	N.P. ⁽⁶⁾	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.35 m η = 57.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.0
N384/N67	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 19.4	x: 0 m η = 0.2	x: 0 m η = 19.6	N.P. ⁽⁶⁾	x: 1.58 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 52.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.2
N66/N385	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.0	x: 1.8 m η = 19.4	x: 1.8 m η = 0.2	x: 1.8 m η = 19.6	N.P. ⁽⁶⁾	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.35 m η = 57.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.0
N385/N68	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 19.4	x: 0 m η = 0.2	x: 0 m η = 19.6	N.P. ⁽⁶⁾	x: 1.58 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 52.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.2
N69/N386	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.0	x: 1.8 m η = 19.4	x: 1.8 m η = 0.4	x: 1.8 m η = 19.8	η < 0.1	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.35 m η = 57.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.5
N386/N71	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 19.4	x: 0 m η = 0.4	x: 0 m η = 19.8	η < 0.1	x: 1.58 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 52.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.9
N70/N189	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.0	x: 1.8 m η = 19.4	x: 1.8 m η = 0.5	x: 1.8 m η = 19.9	η < 0.1	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.35 m η = 57.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.6
N189/N72	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 19.4	x: 0 m η = 0.5	x: 0 m η = 19.9	η < 0.1	x: 1.58 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 53.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 53.0
N73/N186	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 27.0	x: 1.8 m η = 17.0	x: 1.8 m η = 0.3	x: 1.7 m η = 17.3	η < 0.1	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.575 m η = 57.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.8
N186/N75	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.9	x: 0 m η = 17.0	x: 0 m η = 0.3	x: 0 m η = 17.3	η < 0.1	x: 0.7 m η = 1.0	N.P. ⁽³⁾	x: 0 m η = 25.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.5
N75/N77	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.8	x: 0 m η = 12.8	x: 0 m η = 0.2	x: 0 m η = 12.9	η < 0.1	x: 0.88 m η = 1.9	N.P. ⁽³⁾	x: 0 m η = 20.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.1
N74/N520	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.1	x: 1.8 m η = 15.1	x: 1.8 m η = 0.1	x: 1.8 m η = 15.2	η < 0.1	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.35 m η = 50.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.5
N520/N76	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.4	x: 0 m η = 15.1	x: 0.7 m η = 0.3	x: 0 m η = 15.2	η < 0.1	x: 0.7 m η = 0.9	N.P. ⁽³⁾	x: 0 m η = 23.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.2
N76/N78	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.3	x: 0 m η = 11.7	x: 0 m η = 0.3	x: 0 m η = 12.0	η < 0.1	x: 0.88 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 18.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.5
N76/N547	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0.75 m η = 2.1	x: 0.75 m η = 54.5	x: 0.75 m η = 54.7	x: 0 m η = 2.8	η = 0.3	x: 0.75 m η = 54.6	x: 0.75 m η = 54.7	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.7
N547/N75	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 2.1	x: 0 m η = 54.5	x: 0 m η = 54.7	x: 0.75 m η = 2.8	η = 0.3	x: 0 m η = 54.6	x: 0 m η = 54.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.7
N79/N525	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.2	x: 1.8 m η = 15.1	x: 1.8 m η = 0.1	x: 1.8 m η = 15.2	η < 0.1	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.35 m η = 50.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.5
N525/N81	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.4	x: 0 m η = 15.1	x: 0.7 m η = 0.1	x: 0 m η = 15.2	η < 0.1	x: 0.7 m η = 0.9	N.P. ⁽³⁾	x: 0 m η = 23.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.2
N81/N83	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.3	x: 0 m η = 11.7	x: 0 m η = 0.1	x: 0 m η = 11.9	η < 0.1	x: 0.88 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 18.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.5
N80/N526	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.2	x: 1.8 m η = 15.1	x: 1.8 m η = 0.1	x: 1.8 m η = 15.2	η < 0.1	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.35 m η = 50.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.5
N526/N82	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.4	x: 0 m η = 15.1	x: 0.7 m η = 0.1	x: 0 m η = 15.2	η < 0.1	x: 0.7 m η = 0.9	N.P. ⁽³⁾	x: 0 m η = 23.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.2
N82/N84	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.3	x: 0 m η = 11.7	x: 0 m η = 0.1	x: 0 m η = 11.9	η < 0.1	x: 0.88 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 18.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.5
N82/N545	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0.75 m η = 2.1	x: 0.75 m η = 54.7	x: 0.75 m η = 54.7	x: 0 m η = 2.8	η = 0.3	x: 0.75 m η = 54.7	x: 0.75 m η = 54.7	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.7
N545/N81	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 2.1	x: 0 m η = 54.7	x: 0 m η = 54.7	x: 0.75 m η = 2.8	η = 0.3	x: 0 m η = 54.7	x: 0 m η = 54.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.7
N88/N543	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0.75 m η = 2.1	x: 0.75 m η = 97.8	x: 0.75 m η = 97.0	x: 0 m η = 5.0	η = 0.3	x: 0.75 m η = 97.0	x: 0.75 m η = 97.8	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 97.8
N543/N87	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 2.1	x: 0 m η = 97.8	x: 0 m η = 97.0	x: 0.75 m η = 5.0	η = 0.3	x: 0 m η = 97.0	x: 0 m η = 97.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 97.8
N94/N541	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0.75 m η = 2.1	x: 0.75 m η = 97.8	x: 0.75 m η = 97.0	x: 0 m η = 5.0	η = 0.3	x: 0.75 m η = 95.3	x: 0.75 m η = 97.8	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 97.8
N541/N93	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 2.1	x: 0 m η = 97.8	x: 0 m η = 97.0	x: 0.75 m η = 5.0	η = 0.3	x: 0 m η = 95.3	x: 0 m η = 97.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 97.8
N98/N187	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 21.6	x: 1.8 m η = 15.1	x: 1.8 m η = 0.1	x: 1.8 m η = 15.2	η < 0.1	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.35 m η = 48.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.6
N187/N100	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.8	x: 0 m η = 15.1	x: 0.7 m η = 0.2	x: 0 m η = 15.2	η < 0.1	x: 0.7 m η = 0.9	N.P. ⁽³⁾	x: 0 m η = 22.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.5
N100/N102	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 5.6	x: 0 m η = 11.7	x: 0 m η = 0.2	x: 0 m η = 12.0	η < 0.1	x: 0.88 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 17.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.7
N100/N549	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0.75 m η = 2.1	x: 0.75 m η = 64.8	x: 0.75 m η = 64.6	x: 0 m η = 3.3	η = 0.3	x: 0.75 m η = 64.6	x: 0.75 m η = 64.8	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 64.8
N549/N99	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 2.1	x: 0 m η = 64.8	x: 0 m η = 64.6	x: 0.75 m η = 3.3	η = 0.3	x: 0 m η = 64.6	x: 0 m η = 64.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 64.8
N20/N474	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0.583 m η = 0.3	x: 0.583 m η = 21.4	x: 0.583 m η = 21.6	x: 0.583 m η = 5.2	η = 0.1	x: 0.583 m η = 21.6	x: 0.583 m η = 21.8	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.8
N474/N473	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0 m η = 0.3	x: 0 m η = 21.4	x: 0 m η = 21.6	x: 0 m η = 5.2	η = 0.1	x: 0 m η = 21.6	x: 0 m η = 21.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.8
N473/N84	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0 m η = 0.1	x: 0.583 m η = 95.5	x: 0 m η = 1.8	x: 0.583 m η = 8.2	η < 0.1	x: 0.583 m η = 93.4	x: 0.583 m η = 95.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 95.6
N84/N546	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	N.P. ⁽⁴⁾	x: 0 m η = 95.5	N.P. ⁽⁵⁾	x: 0 m η = 11.1	N.P. ⁽⁶⁾	x: 0 m η = 93.4	x: 0 m η = 95.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 95.6
N546/N83	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	N.P. ⁽⁴⁾	x: 0.75 m η = 95.6	N.P. ⁽⁵⁾	x: 0.75 m η = 11.1	η < 0.1	x: 0.75 m η = 93.4	x: 0.75 m η = 95.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 95.7
N83/N467	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0.583 m η = 0.1	x: 0 m η = 95.6	x: 0.292 m η = 21.5	x: 0 m η = 8.2	η < 0.1	x: 0 m η = 93.4	x: 0 m η = 95.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 95.7
N467/N46													



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N ₁	N ₂	M ₁	M ₂	M ₁ M ₂	V ₁	V ₂	N ₁ M ₁	N ₂ M ₂	N ₁ M ₁ V ₁	N ₂ M ₂ V ₂	
N415/N413	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0 m η = 0.5	x: 0 m η = 20.4	x: 0 m η = 20.6	x: 0 m η = 4.5	η = 0.1	x: 0 m η = 20.3	x: 0 m η = 20.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N413/N68	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0 m η = 0.1	x: 0.583 m η = 23.8	x: 0 m η = 16.5	x: 0.583 m η = 4.7	η < 0.1	x: 0.583 m η = 23.6	x: 0.583 m η = 23.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.8
N68/N562	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	N.P. ⁽⁴⁾	x: 0.75 m η = 31.3	N.P. ⁽⁵⁾	x: 0.75 m η = 5.9	η < 0.1	x: 0.75 m η = 31.1	x: 0.75 m η = 30.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.3
N562/N67	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	N.P. ⁽⁴⁾	x: 0 m η = 31.3	N.P. ⁽⁵⁾	x: 0 m η = 5.9	η < 0.1	x: 0 m η = 31.1	x: 0 m η = 30.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.3
N67/N421	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0.583 m η = 0.1	x: 0 m η = 23.8	x: 0.583 m η = 16.5	x: 0 m η = 4.7	η < 0.1	x: 0 m η = 23.6	x: 0 m η = 23.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.8
N421/N419	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0.583 m η = 0.4	x: 0.583 m η = 20.3	x: 0.583 m η = 20.5	x: 0.583 m η = 4.5	η = 0.1	x: 0.583 m η = 20.2	x: 0.583 m η = 19.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.5
N419/N18	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0 m η = 0.4	x: 0 m η = 20.3	x: 0 m η = 20.5	x: 0 m η = 5.2	η = 0.1	x: 0 m η = 20.2	x: 0 m η = 19.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.5
N18/N433	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0.583 m η = 0.4	x: 0.583 m η = 20.5	x: 0.583 m η = 20.6	x: 0.583 m η = 5.2	η = 0.1	x: 0.583 m η = 20.4	x: 0.583 m η = 21.1	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.1
N433/N434	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0 m η = 0.4	x: 0 m η = 20.5	x: 0 m η = 20.6	x: 0 m η = 4.5	η = 0.1	x: 0 m η = 20.4	x: 0 m η = 21.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.1
N434/N64	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0 m η = 0.1	x: 0.583 m η = 25.3	x: 0 m η = 16.4	x: 0.583 m η = 4.7	η < 0.1	x: 0.583 m η = 24.7	x: 0.583 m η = 26.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.1
N64/N559	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	N.P. ⁽⁴⁾	x: 0.75 m η = 30.8	N.P. ⁽⁵⁾	x: 0.75 m η = 5.8	η < 0.1	x: 0.75 m η = 29.9	x: 0.75 m η = 30.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 30.9
N559/N63	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	N.P. ⁽⁴⁾	x: 0 m η = 30.8	N.P. ⁽⁵⁾	x: 0 m η = 5.8	η < 0.1	x: 0 m η = 29.9	x: 0 m η = 30.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 30.9
N63/N409	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0.583 m η = 0.1	x: 0 m η = 23.9	x: 0.583 m η = 16.5	x: 0 m η = 4.7	η < 0.1	x: 0 m η = 23.1	x: 0 m η = 24.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.0
N409/N407	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0.583 m η = 0.5	x: 0.583 m η = 20.4	x: 0.583 m η = 20.6	x: 0.583 m η = 4.5	η = 0.1	x: 0.583 m η = 20.4	x: 0.583 m η = 20.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N407/N22	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0 m η = 0.5	x: 0 m η = 20.4	x: 0 m η = 20.6	x: 0 m η = 5.2	η = 0.1	x: 0 m η = 20.4	x: 0 m η = 20.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N22/N391	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0.583 m η = 0.5	x: 0.583 m η = 20.4	x: 0.583 m η = 20.6	x: 0.583 m η = 5.2	η = 0.1	x: 0.583 m η = 20.4	x: 0.583 m η = 20.5	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N391/N389	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0 m η = 0.5	x: 0 m η = 20.4	x: 0 m η = 20.6	x: 0 m η = 4.5	η = 0.1	x: 0 m η = 20.4	x: 0 m η = 20.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N389/N60	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0 m η = 0.1	x: 0.583 m η = 23.8	x: 0 m η = 16.5	x: 0.583 m η = 4.7	η < 0.1	x: 0.583 m η = 23.0	x: 0.583 m η = 23.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.9
N60/N556	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	N.P. ⁽⁴⁾	x: 0.75 m η = 31.3	N.P. ⁽⁵⁾	x: 0.75 m η = 5.9	η < 0.1	x: 0.75 m η = 30.3	x: 0.75 m η = 31.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.4
N556/N59	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	N.P. ⁽⁴⁾	x: 0 m η = 31.3	N.P. ⁽⁵⁾	x: 0 m η = 5.9	η < 0.1	x: 0 m η = 30.3	x: 0 m η = 31.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.4
N59/N397	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0.583 m η = 0.1	x: 0 m η = 23.8	x: 0.583 m η = 16.5	x: 0 m η = 4.7	η < 0.1	x: 0 m η = 23.0	x: 0 m η = 23.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.9
N397/N395	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0.583 m η = 0.4	x: 0.583 m η = 20.4	x: 0.583 m η = 20.6	x: 0.583 m η = 4.5	η = 0.1	x: 0.583 m η = 20.4	x: 0.583 m η = 20.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N395/N27	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.8	x: 0 m η = 0.4	x: 0 m η = 20.4	x: 0 m η = 20.6	x: 0 m η = 5.2	η = 0.1	x: 0 m η = 20.4	x: 0 m η = 20.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N3/N503	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 62.7	x: 1.8 m η = 9.8	x: 1.8 m η = 0.1	x: 1.8 m η = 9.9	N.P. ⁽⁶⁾	x: 0 m η = 1.2	N.P. ⁽³⁾	x: 1.575 m η = 85.3	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 85.3
N503/N566	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 39.3	x: 0 m η = 9.8	x: 0 m η = 0.1	x: 0 m η = 9.9	N.P. ⁽⁶⁾	x: 1.3 m η = 1.0	N.P. ⁽³⁾	x: 0 m η = 67.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 67.1
N566/N113	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 27.9	x: 0 m η = 3.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.28 m η = 1.2	N.P. ⁽³⁾	x: 0 m η = 46.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.2
N113/N496	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 59.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 72.1	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 72.1
N496/N112	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.0	N.P. ⁽⁴⁾	x: 0 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.0
N117/N493	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 59.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 72.1	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 72.1
N493/N111	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.0	N.P. ⁽⁴⁾	x: 0 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.0
N21/N499	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 59.0	N.P. ⁽⁴⁾	x: 1.8 m η = 0.4	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 72.0	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 72.0
N499/N110	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.0	N.P. ⁽⁴⁾	x: 0 m η = 0.4	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 62.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.9
N114/N210	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 53.0	x: 1.8 m η = 10.0	x: 1.8 m η = 0.2	x: 1.8 m η = 10.2	η < 0.1	x: 0 m η = 1.0	N.P. ⁽³⁾	x: 1.8 m η = 74.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 74.7
N210/N115	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 37.0	x: 0 m η = 10.0	x: 0 m η = 0.2	x: 0 m η = 10.2	η < 0.1	x: 1.58 m η = 1.0	N.P. ⁽³⁾	x: 0 m η = 61.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 61.5
N116/N207	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 66.0	N.P. ⁽⁴⁾	x: 1.8 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 79.1	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 79.1
N207/N239	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 39.3	N.P. ⁽⁴⁾	x: 0 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 54.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.3
N239/N117	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 28.7	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 28.7
N125/N197	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 66.0	N.P. ⁽⁴⁾	x: 1.8 m η = 0.3	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 78.9	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 78.9
N197/N119	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.2	N.P. ⁽⁴⁾	x: 0 m η = 0.3	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.4
N119/N120	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.2	x: 0.625 m η = 0.1	x: 0.625 m η = 27.8	x: 0.625 m η = 0.1	x: 0.625 m η = 27.2	η < 0.1	x: 0 m η = 17.9	x: 0.625 m η = 27.2	x: 0.625 m η = 27.9	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N120/N121	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.2	x: 0.625 m η = 0.2	x: 0.625 m η = 47.7	x: 0.625 m η = 0.3	x: 0.625 m η = 47.8	η < 0.1	x: 0 m η = 13.4	x: 0.625 m η = 46.7	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N121/N126	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.2	x: 0.625 m η = 0.2	x: 0.625 m η = 59.7	x: 0.625 m η = 0.4	x: 0.625 m η = 59.7	η < 0.1	x: 0 m η = 9.0	x: 0.625 m η = 58.4	x: 0.625 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N126/N127	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.2	x: 0.625 m η = 0.3	x: 0.625 m η = 63.7	x: 0.625 m η = 0.5	x: 0.625 m η = 63.8	η < 0.1	x: 0 m η = 4.5	x: 0.625 m η = 62.3	x: 0.625 m η = 63.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.8
N127/N128	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.2	x: 0.625 m η = 0.3	x: 0 m η = 63.7	x: 0.625 m η = 0.6	x: 0 m η = 63.8	η < 0.1	x: 0.625 m η = 4.5	x: 0 m η = 62.3	x: 0 m η = 63.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.8
N128/N129	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.3	x: 0 m η = 59.8	x: 0.625 m η = 0.8	x: 0 m η = 59.8	η < 0.1	x: 0.625 m η = 8.9	x: 0 m η = 58.6	x: 0 m η = 59.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.9
N129/N130	b / t ≤ (b / t) _{máx.} Cumple	x: 0 m η = 0.4	x: 0 m η = 0.5	x: 0 m η = 47.9	x: 0 m η = 0.8	x: 0 m η = 48.0	η = 0.1	x: 0.625 m η = 13.5	x: 0 m η = 47.9	x: 0 m η = 48.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.0
N130/N39	b / t ≤ (b / t) _{máx.} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.4	x: 0 m η = 27.9	x: 0 m η = 0.4	x: 0 m η = 27.9	η = 0.1	x: 0.625 m η = 18.0	x: 0 m η = 27.9	x: 0 m η = 27.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N122/N204	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.35 m η = 66.2	N.P. ⁽⁴⁾	x: 1.8 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 79.1	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 79.1



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _k	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	M _N M _y M _z V _y	
N204/N118	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.4	N.P. ⁽⁴⁾	x: 0 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N123/N201	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 66.0	N.P. ⁽⁴⁾	x: 1.8 m η = 0.4	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 79.0	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 79.0
N201/N124	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.2	N.P. ⁽⁴⁾	x: 0 m η = 0.4	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.3
N131/N506	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 62.5	x: 1.8 m η = 9.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.2	N.P. ⁽³⁾	x: 1.575 m η = 84.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 84.9
N506/N132	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.3	x: 0 m η = 9.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.2	N.P. ⁽³⁾	x: 0 m η = 75.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 75.8
N133/N495	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 59.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0.45 m η = 71.8	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.8
N495/N134	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 48.9	N.P. ⁽⁴⁾	x: 0 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 62.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.7
N142/N501	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 59.0	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 59.0
N501/N136	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 48.8	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 48.8
N136/N137	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	η = 0.1	x: 0.625 m η = 27.8	x: 0.625 m η < 0.1	x: 0.625 m η = 27.1	η < 0.1	x: 0 m η = 17.9	x: 0.625 m η = 27.1	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N137/N138	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	η = 0.1	x: 0.625 m η = 47.7	x: 0.625 m η = 0.1	x: 0.625 m η = 46.5	η < 0.1	x: 0 m η = 13.4	x: 0.625 m η = 46.5	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N138/N143	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	η = 0.1	x: 0.625 m η = 59.6	x: 0.625 m η = 0.1	x: 0.625 m η = 58.2	η < 0.1	x: 0 m η = 9.0	x: 0.625 m η = 58.1	x: 0.625 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N143/N144	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.1	x: 0.625 m η = 63.6	x: 0.625 m η = 0.2	x: 0.625 m η = 63.6	η < 0.1	x: 0 m η = 4.5	x: 0.625 m η = 62.0	x: 0.625 m η = 63.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N144/N145	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.1	x: 0 m η = 63.6	x: 0.625 m η = 0.2	x: 0 m η = 63.6	η < 0.1	x: 0.625 m η = 4.5	x: 0 m η = 62.0	x: 0 m η = 63.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N145/N146	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.2	x: 0 m η = 59.6	x: 0 m η = 0.3	x: 0 m η = 59.7	η < 0.1	x: 0.625 m η = 8.9	x: 0 m η = 58.3	x: 0 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N146/N147	b / t ≤ (b / t) _{máx.} Cumple	x: 0 m η = 0.2	x: 0 m η = 0.5	x: 0 m η = 47.7	x: 0 m η = 0.3	x: 0 m η = 47.8	η < 0.1	x: 0.625 m η = 13.4	x: 0 m η = 47.7	x: 0 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N147/N35	b / t ≤ (b / t) _{máx.} Cumple	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0 m η = 27.8	x: 0 m η = 0.1	x: 0 m η = 27.2	η < 0.1	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N139/N492	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 59.0	N.P. ⁽⁴⁾	x: 1.8 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0.45 m η = 71.8	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.8
N492/N135	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 48.9	N.P. ⁽⁴⁾	x: 0 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 62.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.6
N140/N498	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0.45 m η = 59.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.4	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0.45 m η = 71.9	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.9
N498/N141	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 48.9	N.P. ⁽⁴⁾	x: 0 m η = 0.4	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 62.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.7
N148/N508	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 58.7	x: 1.8 m η = 9.8	x: 1.8 m η = 0.1	x: 1.8 m η = 9.9	η < 0.1	x: 0 m η = 1.2	N.P. ⁽⁵⁾	x: 1.575 m η = 81.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 81.6
N508/N149	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 46.2	x: 0 m η = 9.8	x: 0 m η = 0.1	x: 0 m η = 9.9	η < 0.1	x: 1.58 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 73.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 73.1
N150/N494	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0.225 m η = 59.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0.225 m η = 71.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.9
N494/N151	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 48.9	N.P. ⁽⁴⁾	x: 0 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 62.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.8
N159/N500	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 58.8	N.P. ⁽⁴⁾	x: 1.8 m η = 0.1	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 71.7	x: 0.9 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.7
N500/N153	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 48.8	N.P. ⁽⁴⁾	x: 0 m η = 0.1	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 62.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.6
N153/N154	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.1	x: 0.625 m η = 27.5	x: 0.625 m η = 0.1	x: 0.625 m η = 26.9	η < 0.1	x: 0 m η = 17.8	x: 0.625 m η = 27.5	x: 0.625 m η = 27.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.5
N154/N155	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.2	x: 0.625 m η = 47.2	x: 0.625 m η = 0.2	x: 0.625 m η = 46.1	η < 0.1	x: 0 m η = 13.3	x: 0.625 m η = 47.1	x: 0.625 m η = 46.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.2
N155/N160	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.2	x: 0.625 m η = 58.8	x: 0.625 m η = 0.3	x: 0.625 m η = 57.5	η < 0.1	x: 0 m η = 8.8	x: 0.625 m η = 58.8	x: 0.625 m η = 57.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.8
N160/N161	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.3	x: 0.625 m η = 62.5	x: 0.625 m η = 0.4	x: 0.625 m η = 61.2	η < 0.1	x: 0 m η = 4.3	x: 0.625 m η = 62.5	x: 0.625 m η = 61.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.5
N161/N162	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.3	x: 0 m η = 62.5	x: 0.625 m η = 0.6	x: 0.156 m η = 62.2	η < 0.1	x: 0.625 m η = 4.6	x: 0 m η = 62.5	x: 0 m η = 61.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.5
N162/N163	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.4	x: 0 m η = 58.3	x: 0.625 m η = 0.7	x: 0 m η = 58.3	η < 0.1	x: 0.625 m η = 9.1	x: 0 m η = 58.3	x: 0 m η = 57.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.3
N163/N164	b / t ≤ (b / t) _{máx.} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.4	x: 0 m η = 46.1	x: 0 m η = 0.7	x: 0 m η = 46.2	η = 0.1	x: 0.625 m η = 13.2	x: 0 m η = 46.1	x: 0 m η = 45.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.2
N164/N33	b / t ≤ (b / t) _{máx.} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 26.1	x: 0 m η = 0.3	x: 0 m η = 25.6	η = 0.1	x: 0.625 m η = 16.0	x: 0 m η = 26.1	x: 0 m η = 25.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.1
N156/N491	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0.225 m η = 59.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0.225 m η = 71.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.9
N491/N152	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 48.9	N.P. ⁽⁴⁾	x: 0 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 62.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.8
N157/N497	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 59.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 72.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 72.1
N497/N158	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.0	N.P. ⁽⁴⁾	x: 0 m η = 0.5	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.0
N165/N211	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 53.1	N.P. ⁽⁴⁾	x: 1.8 m η = 0.3	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 66.3	x: 0.675 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 66.3
N211/N166	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 40.2	N.P. ⁽⁴⁾	x: 0 m η = 0.3	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 53.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 53.9
N167/N209	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 62.2	N.P. ⁽⁴⁾	x: 1.8 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 75.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 75.2
N209/N168	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.1	N.P. ⁽⁴⁾	x: 0 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.2
N176/N199	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 61.9	N.P. ⁽⁴⁾	x: 1.8 m η = 0.3	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 75.0	x: 0.45 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 75.0
N199/N170	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.4	N.P. ⁽⁴⁾	x: 0 m η = 0.3	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N170/N171	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.2	x: 0.625 m η = 28.1	x: 0.625 m η = 0.2	x: 0.625 m η = 27.5	η < 0.1	x: 0 m η = 18.1	x: 0.625 m η = 27.4	x: 0.625 m η = 28.3	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.3
N171/N172	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.3	x: 0.625 m η = 48.4	x: 0.625 m η = 0.3	x: 0.625 m η = 47.3	η < 0.1	x: 0 m η = 13.6	x: 0.625 m η = 47.3	x: 0.625 m η = 48.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.6
N172/N177	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.4	x: 0.625 m η = 60.6	x: 0.625 m η = 0.5	x: 0.625 m η = 60.6	η < 0.1	x: 0 m η = 9.1	x: 0.625 m η = 59.4	x: 0.625 m η = 60.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 60.8



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _z	N _z	M _z	M _z	M _z	V _z	V _z	N _z M _z	N _z M _z	N _z M _z V _z	N _z M _z V _z	
N177/N178	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.4	x: 0.625 m η = 64.9	x: 0.625 m η = 0.7	x: 0.625 m η = 65.0	η < 0.1	x: 0 m η = 4.7	x: 0.625 m η = 63.7	x: 0.625 m η = 65.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 65.1
N178/N179	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.5	x: 0 m η = 64.9	x: 0.625 m η = 0.8	x: 0 m η = 65.0	η < 0.1	x: 0.625 m η = 4.3	x: 0 m η = 63.7	x: 0 m η = 65.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 65.1
N179/N180	b / t ≤ (b / t) _{máx.} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.6	x: 0 m η = 61.3	x: 0.625 m η = 1.0	x: 0 m η = 61.3	η < 0.1	x: 0.625 m η = 8.8	x: 0 m η = 60.2	x: 0 m η = 61.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 61.5
N180/N181	b / t ≤ (b / t) _{máx.} Cumple	x: 0 m η = 0.4	x: 0 m η = 0.8	x: 0 m η = 49.7	x: 0 m η = 1.0	x: 0 m η = 49.8	η = 0.1	x: 0.625 m η = 13.8	x: 0 m η = 49.8	x: 0 m η = 49.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 49.8
N181/N31	b / t ≤ (b / t) _{máx.} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.6	x: 0 m η = 27.9	x: 0 m η = 0.5	x: 0 m η = 27.9	η = 0.1	x: 0.625 m η = 17.8	x: 0 m η = 27.9	x: 0 m η = 27.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N173/N205	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 1.8 m η = 62.3	N.P. ⁽⁴⁾	x: 1.8 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 75.3	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 75.3
N205/N169	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.1	N.P. ⁽⁴⁾	x: 0 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.2
N174/N203	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 61.9	N.P. ⁽⁴⁾	x: 1.8 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 74.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 74.6
N203/N175	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 49.2	N.P. ⁽⁴⁾	x: 0 m η = 0.6	N.P. ⁽⁵⁾	η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 63.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.4
N184/N513	b / t ≤ (b / t) _{máx.} Cumple	η = 0.6	η = 4.4	x: 0.675 m η = 1.9	x: 0.675 m η = 15.5	x: 0.675 m η = 17.2	η = 0.8	x: 0.675 m η = 0.3	x: 0.675 m η = 16.3	x: 0.675 m η = 14.9	x: 0.169 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.2
N513/N182	b / t ≤ (b / t) _{máx.} Cumple	η = 0.6	η = 4.4	x: 0 m η = 1.9	x: 0 m η = 15.5	x: 0 m η = 17.2	η = 0.8	x: 0 m η = 0.3	x: 0 m η = 16.3	x: 0 m η = 14.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.2
N185/N438	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 2.3	x: 0.583 m η = 1.3	x: 0.583 m η = 4.9	x: 0.583 m η = 6.3	η = 0.3	x: 0.583 m η = 0.3	x: 0.583 m η = 3.2	x: 0.583 m η = 8.3	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 8.3
N438/N436	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 2.3	x: 0.583 m η = 2.4	x: 0.583 m η = 11.1	x: 0.583 m η = 13.5	η = 0.4	x: 0 m η = 0.6	x: 0.583 m η = 7.1	x: 0.583 m η = 15.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.1
N436/N182	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 2.3	x: 0 m η = 2.4	x: 0 m η = 11.1	x: 0 m η = 13.5	η = 0.7	x: 0.583 m η = 0.4	x: 0 m η = 7.1	x: 0 m η = 15.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.1
N186/N518	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.4	x: 0.583 m η = 2.4	x: 0.583 m η = 8.1	x: 0.583 m η = 10.4	η = 0.5	x: 0.583 m η = 0.4	x: 0.583 m η = 7.5	x: 0.583 m η = 11.1	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.1
N518/N519	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.4	x: 0.583 m η = 3.4	x: 0.583 m η = 12.8	x: 0.583 m η = 16.2	η = 0.3	x: 0 m η = 0.9	x: 0.583 m η = 10.0	x: 0.583 m η = 17.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.2
N519/N183	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.4	x: 0 m η = 3.4	x: 0 m η = 12.8	x: 0 m η = 16.2	η = 0.8	x: 0.583 m η = 0.6	x: 0 m η = 10.0	x: 0 m η = 17.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.2
N192/N432	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.2	x: 0.583 m η = 2.2	x: 0.583 m η = 11.0	x: 0.583 m η = 13.3	η = 0.7	x: 0 m η = 0.4	x: 0.583 m η = 6.6	x: 0.583 m η = 13.4	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 13.4
N432/N430	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.2	x: 0 m η = 2.2	x: 0 m η = 11.0	x: 0 m η = 13.3	η = 0.4	x: 0.583 m η = 0.5	x: 0 m η = 6.6	x: 0 m η = 13.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 13.4
N430/N191	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.2	x: 0 m η = 1.2	x: 0 m η = 4.8	x: 0 m η = 5.8	η = 0.3	x: 0 m η = 0.2	x: 0 m η = 3.1	x: 0 m η = 7.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 7.6
N194/N516	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 2.4	x: 0.583 m η = 1.2	x: 0.583 m η = 24.6	x: 0.583 m η = 25.3	η = 1.6	x: 0 m η = 0.2	x: 0.583 m η = 13.5	x: 0.583 m η = 23.2	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.3
N516/N517	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 2.4	x: 0.292 m η = 1.2	x: 0.583 m η = 27.1	x: 0.583 m η = 27.9	η = 0.5	x: 0 m η = 0.1	x: 0 m η = 13.5	x: 0.583 m η = 26.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N517/N193	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 2.4	x: 0 m η = 1.1	x: 0 m η = 27.1	x: 0 m η = 27.9	η = 1.7	x: 0.583 m η = 0.2	x: 0 m η = 8.6	x: 0 m η = 26.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N183/N512	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 5.5	x: 0.675 m η = 1.9	x: 0.675 m η = 15.5	x: 0.675 m η = 17.2	η = 0.8	x: 0.675 m η = 0.3	x: 0.675 m η = 1.4	x: 0.675 m η = 18.5	x: 0.169 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.5
N512/N195	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 5.5	x: 0 m η = 1.9	x: 0 m η = 15.5	x: 0 m η = 17.2	η = 0.8	x: 0 m η = 0.3	x: 0 m η = 1.4	x: 0 m η = 18.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.5
N197/N196	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 2.1	x: 0.675 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.675 m η = 0.5	x: 0.675 m η = 2.3	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.3
N198/N199	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 2.5	x: 0.675 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.675 m η = 0.4	x: 0.675 m η = 2.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.8
N201/N200	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 2.2	x: 0.675 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.675 m η = 0.3	x: 0.675 m η = 2.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.4
N202/N203	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 3.3	x: 0.675 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.675 m η = 0.4	x: 0.675 m η = 3.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N204/N192	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 2.2	x: 0.675 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.675 m η = 0.3	x: 0.675 m η = 2.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.5
N194/N205	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	η = 6.4	x: 0.675 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	N.P. ⁽³⁾	x: 0.675 m η = 12.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 12.0
N207/N206	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 2.2	x: 0.675 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.675 m η = 0.3	x: 0.675 m η = 2.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.5
N208/N209	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	η = 6.5	x: 0.675 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	N.P. ⁽³⁾	x: 0.675 m η = 12.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 12.1
N210/N510	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 5.0	x: 0.675 m η = 7.6	x: 0.675 m η = 2.2	x: 0.675 m η = 9.8	x: 0.675 m η = 0.2	η = 1.1	x: 0.675 m η = 9.5	x: 0.675 m η = 14.7	x: 0.169 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.7
N510/N190	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 5.0	x: 0 m η = 7.6	x: 0 m η = 2.2	x: 0 m η = 9.8	x: 0 m η = 0.2	η = 1.1	x: 0 m η = 9.5	x: 0 m η = 14.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.7
N188/N511	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 6.3	x: 0.675 m η = 4.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.675 m η = 0.7	x: 0.675 m η = 4.3	x: 0.675 m η = 10.3	x: 0.169 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 10.3
N511/N211	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 6.3	x: 0 m η = 4.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.7	x: 0 m η = 4.3	x: 0 m η = 10.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 10.3
N215/N511	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 0.8	N.P. ⁽⁴⁾	x: 1.8 m η = 0.2	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.8 m η = 0.9	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 0.9
N511/N216	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 0.3	N.P. ⁽⁴⁾	x: 0 m η = 0.2	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 0.5	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 0.5
N217/N509	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 10.1	x: 1.8 m η = 13.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.35 m η = 32.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.8
N509/N218	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.3	x: 0 m η = 13.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 16.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.5
N219/N507	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.8	x: 1.8 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.35 m η = 45.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 45.0
N507/N220	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.0	x: 0 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.5	N.P. ⁽³⁾	x: 0 m η = 41.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 41.6
N221/N505	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.9	x: 1.8 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.35 m η = 45.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 45.2
N505/N222	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.1	x: 0 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.5	N.P. ⁽³⁾	x: 0 m η = 41.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 41.8
N223/N504	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 14.1	x: 1.8 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.35 m η = 43.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE

Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _t	N _c	M _y	M _z	M _M	V _y	V _z	N,M,M _z	N,M,M _y	N,M,V,V _y	N,M,M,V,V _y	
N490/N226	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.8	x: 0 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.5	N.P. ⁽³⁾	x: 0 m η = 22.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.8
N227/N489	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 1.8 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.35 m η = 42.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.5
N489/N228	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.4	x: 0 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.5	N.P. ⁽³⁾	x: 0 m η = 39.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 39.2
N229/N488	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 1.8 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.35 m η = 42.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.5
N488/N230	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.4	x: 0 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.5	N.P. ⁽³⁾	x: 0 m η = 39.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 39.3
N231/N487	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.1	x: 1.8 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.35 m η = 41.5	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 41.5
N487/N232	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.8	x: 0 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.5	N.P. ⁽³⁾	x: 0 m η = 22.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.8
N233/N512	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.0	x: 1.125 m η = 9.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.8	N.P. ⁽³⁾	x: 0.9 m η = 31.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.4
N512/N234	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.6	x: 0.395 m η = 8.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.7	N.P. ⁽³⁾	x: 0.395 m η = 10.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 10.8
N235/N513	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.5	x: 1.125 m η = 9.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.8	N.P. ⁽³⁾	x: 0.9 m η = 31.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.4
N513/N236	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.4	x: 0.395 m η = 8.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.7	N.P. ⁽³⁾	x: 0.395 m η = 10.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 10.8
N237/N510	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 5.0	x: 0.9 m η = 7.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.5	N.P. ⁽³⁾	x: 0.9 m η = 11.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.1
N510/N238	b / t ≤ (b / t) _{HSL} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.4	x: 0.593 m η = 5.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.3	N.P. ⁽³⁾	x: 0.593 m η = 7.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 7.5
N175/N268	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.1	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N268/N269	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.4	x: 0.625 m η = 47.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N269/N270	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.1	x: 0.625 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N270/N271	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 61.9	x: 0.625 m η = 63.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N271/N272	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 61.9	x: 0 m η = 63.7	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N272/N273	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.1	x: 0 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N273/N274	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.4	x: 0 m η = 47.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N274/N170	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.1	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N169/N303	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.1	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N303/N304	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.4	x: 0.625 m η = 47.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N304/N305	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.1	x: 0.625 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N305/N306	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 61.9	x: 0.625 m η = 63.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N306/N307	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 61.9	x: 0 m η = 63.7	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N307/N308	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.1	x: 0 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N308/N309	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.4	x: 0 m η = 47.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N309/N175	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.1	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N168/N338	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.1	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N338/N339	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.4	x: 0.625 m η = 47.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N339/N340	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.1	x: 0.625 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N340/N341	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 61.9	x: 0.625 m η = 63.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N341/N342	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 61.9	x: 0 m η = 63.7	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N342/N343	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.1	x: 0 m η = 59.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.8
N343/N344	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.4	x: 0 m η = 47.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N344/N169	b / t ≤ (b / t) _{HSL} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.1	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N166/N373	b / t ≤ (b / t) _{HSL} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.5	x: 0.625 m η = 27.9	x: 0.625 m η = 0.5	x: 0.625 m η = 28.0	η = 0.1	x: 0 m η = 18.0	x: 0.625 m η = 28.0	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N373/N374	b / t ≤ (b / t) _{HSL} Cumple	x: 0.625 m η = 0.5	x: 0.625 m η = 0.6	x: 0.625 m η = 47.9	x: 0.625 m η = 1.0	x: 0.625 m η = 48.0	η = 0.1	x: 0 m η = 13.5	x: 0.625 m η = 48.0	x: 0.625 m η = 48.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.0
N374/N375	b / t ≤ (b / t) _{HSL} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.6	x: 0.625 m η = 59.8	x: 0 m η = 1.0	x: 0.625 m η = 59.8	η < 0.1	x: 0 m η = 8.9	x: 0.625 m η = 58.7	x: 0.625 m η = 60.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 60.0
N375/N376	b / t ≤ (b / t) _{HSL} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.5	x: 0.625 m η = 63.7	x: 0 m η = 0.8	x: 0.625 m η = 63.8	η < 0.1	x: 0 m η = 4.4	x: 0.625 m η = 62.5	x: 0.625 m η = 63.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.9
N376/N377	b / t ≤ (b / t) _{HSL} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.4	x: 0 m η = 63.7	x: 0 m η = 0.7	x: 0 m η = 63.8	η < 0.1	x: 0.625 m η = 4.5	x: 0 m η = 62.5	x: 0 m η = 63.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.9
N377/N378	b / t ≤ (b / t) _{HSL} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.3	x: 0 m η = 59.7	x: 0 m η = 0.5	x: 0 m η = 59.7	η < 0.1	x: 0.625 m η = 9.0	x: 0 m η = 58.5	x: 0 m η = 59.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.9
N378/N379	b / t ≤ (b / t) _{HSL} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.3	x: 0 m η = 47.8	x: 0 m η = 0.3	x: 0 m η = 46.8	η < 0.1	x: 0.625 m η = 13.5	x: 0 m η = 46.5	x: 0 m η = 48.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.0
N379/N168	b / t ≤ (b / t) _{HSL} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 27.8	x: 0 m η = 0.2	x: 0 m η = 27.3	η < 0.1	x: 0.625 m η = 17.9	x: 0 m η = 27.1	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N149/N366	b / t ≤ (b / t) _{HSL} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.2	x: 0.625 m η = 27.9	x: 0.625 m η = 0.3	x: 0.625 m η = 27.3	η < 0.1	x: 0 m η = 17.9	x: 0.625 m η = 27.8	x: 0.625 m η = 27.4	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N366/N367	b / t ≤ (b / t) _{HSL} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.3	x: 0.625 m η = 47.8	x: 0.625 m η = 0.6	x: 0.625 m η = 46.9	η < 0.1	x: 0 m η = 13.5	x: 0.625 m η = 47.8	x: 0.625 m η = 47.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N367/N368	b / t ≤ (b / t) _{HSL} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.3	x: 0.625 m η = 59.7	x: 0 m η = 0.6	x: 0.625 m η = 58.5	η < 0.1	x: 0 m η = 8.9	x: 0.625 m η = 59.7	x: 0.625 m η = 58.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _b	N _c	M _y	M _z	M _y M _z	V _y	V _z	N.M.M _z	N.M.M _y	N.M.M.V.V _y	N.M.M.V.V _z	
N368/N369	b / t ≤ (b / t) _{Eda} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.3	x: 0.625 m η = 63.6	x: 0 m η = 0.5	x: 0.625 m η = 62.3	η < 0.1	x: 0 m η = 4.5	x: 0.625 m η = 63.6	x: 0.625 m η = 62.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N369/N370	b / t ≤ (b / t) _{Eda} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 63.6	x: 0 m η = 0.4	x: 0 m η = 62.3	η < 0.1	x: 0.625 m η = 4.5	x: 0 m η = 63.6	x: 0 m η = 62.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N370/N371	b / t ≤ (b / t) _{Eda} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 59.6	x: 0 m η = 0.3	x: 0 m η = 58.3	η < 0.1	x: 0.625 m η = 9.0	x: 0 m η = 59.6	x: 0 m η = 58.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N371/N372	b / t ≤ (b / t) _{Eda} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.1	x: 0 m η = 47.7	x: 0 m η = 0.2	x: 0 m η = 46.6	η < 0.1	x: 0.625 m η = 13.4	x: 0 m η = 47.7	x: 0 m η = 46.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N372/N151	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	x: 0 m η = 0.1	x: 0 m η = 27.8	x: 0 m η = 0.1	x: 0 m η = 27.2	η < 0.1	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N151/N331	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.8	x: 0.625 m η = 27.2	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N331/N332	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 47.7	x: 0.625 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N332/N333	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 59.6	x: 0.625 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N333/N334	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 63.5	x: 0.625 m η = 62.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N334/N335	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 63.5	x: 0 m η = 62.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N335/N336	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 59.6	x: 0 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N336/N337	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 47.7	x: 0 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N337/N152	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N152/N296	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.8	x: 0.625 m η = 27.2	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N296/N297	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 47.7	x: 0.625 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N297/N298	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 59.6	x: 0.625 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N298/N299	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 63.5	x: 0.625 m η = 62.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N299/N300	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 63.5	x: 0 m η = 62.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N300/N301	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 59.6	x: 0 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N301/N302	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 47.7	x: 0 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N302/N158	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N158/N261	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.8	x: 0.625 m η = 27.2	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N261/N262	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 47.7	x: 0.625 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N262/N263	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 59.6	x: 0.625 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N263/N264	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 63.5	x: 0.625 m η = 62.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N264/N265	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 63.5	x: 0 m η = 62.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N265/N266	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 59.6	x: 0 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N266/N267	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 47.7	x: 0 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N267/N153	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N141/N254	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.1	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N254/N255	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.5	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N255/N256	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.1	x: 0.625 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N256/N257	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 62.0	x: 0.625 m η = 63.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N257/N258	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 62.0	x: 0 m η = 63.7	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N258/N259	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.1	x: 0 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N259/N260	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.5	x: 0 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N260/N136	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.1	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N110/N240	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.8	x: 0.625 m η = 27.2	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N240/N241	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 47.6	x: 0.625 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N241/N242	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 59.6	x: 0.625 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N242/N243	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 63.5	x: 0.625 m η = 62.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N243/N244	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 63.5	x: 0 m η = 62.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N244/N245	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 59.6	x: 0 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N245/N246	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 47.6	x: 0 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N246/N26	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N124/N247	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.0	x: 0.625 m η = 27.9	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N247/N248	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.4	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N248/N249	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.0	x: 0.625 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _t	N _c	M _y	M _z	M _M	V _y	V _z	N _M M _z	N _M M _y	N _M M _V V _z	N _M M _V V _y	
N249/N250	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 61.9	x: 0.625 m η = 63.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N250/N251	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 61.9	x: 0 m η = 63.6	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N251/N252	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.0	x: 0 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N252/N253	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.4	x: 0 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N253/N119	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.0	x: 0 m η = 27.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N118/N282	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.0	x: 0.625 m η = 27.9	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N282/N283	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.4	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N283/N284	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.0	x: 0.625 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N284/N285	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 61.9	x: 0.625 m η = 63.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N285/N286	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 61.9	x: 0 m η = 63.6	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N286/N287	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.0	x: 0 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N287/N288	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.4	x: 0 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N288/N124	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.0	x: 0 m η = 27.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N111/N275	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.8	x: 0.625 m η = 27.2	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N275/N276	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 47.6	x: 0.625 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N276/N277	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 59.6	x: 0.625 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N277/N278	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 63.5	x: 0.625 m η = 62.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N278/N279	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 63.5	x: 0 m η = 62.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N279/N280	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 59.6	x: 0 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N280/N281	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 47.6	x: 0 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N281/N110	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N135/N289	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.1	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N289/N290	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.5	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N290/N291	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 59.6	x: 0.625 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N291/N292	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 62.0	x: 0.625 m η = 63.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N292/N293	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 62.0	x: 0 m η = 63.7	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N293/N294	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.1	x: 0 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N294/N295	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.5	x: 0 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N295/N141	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.1	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N134/N324	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.1	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N324/N325	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.5	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N325/N326	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.1	x: 0.625 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N326/N327	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 62.0	x: 0.625 m η = 63.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N327/N328	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 62.0	x: 0 m η = 63.7	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N328/N329	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.1	x: 0 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N329/N330	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.5	x: 0 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N330/N135	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.1	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N112/N310	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.8	x: 0.625 m η = 27.2	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N310/N311	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 47.6	x: 0.625 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N311/N312	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 59.6	x: 0.625 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N312/N313	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 63.5	x: 0.625 m η = 62.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N313/N314	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 63.5	x: 0 m η = 62.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.5
N314/N315	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 59.6	x: 0 m η = 58.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.6
N315/N316	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 47.6	x: 0 m η = 46.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N316/N111	b / t ≤ (b / t) _{Eda} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N117/N317	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.9	x: 0.625 m η = 27.0	x: 0.625 m η = 27.9	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N317/N318	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.625 m η = 46.4	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N318/N319	b / t ≤ (b / t) _{Eda} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.0	x: 0.625 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _c	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _z	N _M M _z V _z	M _N M _z V _z	
N319/N320	b / t ≤ (b / t) _{lim} Cumple	η = 0.2	η = 0.1	x: 0.625 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.5	x: 0.625 m η = 61.9	x: 0.625 m η = 63.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N320/N321	b / t ≤ (b / t) _{lim} Cumple	η = 0.2	η = 0.1	x: 0 m η = 63.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 61.9	x: 0 m η = 63.6	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.6
N321/N322	b / t ≤ (b / t) _{lim} Cumple	η = 0.2	η = 0.1	x: 0 m η = 59.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 8.9	x: 0 m η = 58.0	x: 0 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N322/N323	b / t ≤ (b / t) _{lim} Cumple	η = 0.2	η = 0.1	x: 0 m η = 47.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 13.4	x: 0 m η = 46.4	x: 0 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N323/N118	b / t ≤ (b / t) _{lim} Cumple	η = 0.2	η = 0.1	x: 0 m η = 27.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.0	x: 0 m η = 27.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N132/N359	b / t ≤ (b / t) _{lim} Cumple	x: 0.625 m η = 0.2	x: 0.625 m η = 0.4	x: 0.625 m η = 28.0	x: 0.625 m η < 0.1	x: 0.625 m η = 28.0	η < 0.1	x: 0 m η = 18.0	x: 0.625 m η = 28.0	x: 0.625 m η = 27.6	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N359/N360	b / t ≤ (b / t) _{lim} Cumple	x: 0.625 m η = 0.2	x: 0.625 m η = 0.4	x: 0.625 m η = 48.0	x: 0.625 m η = 0.1	x: 0.625 m η = 48.0	η < 0.1	x: 0 m η = 13.5	x: 0.625 m η = 48.0	x: 0.625 m η = 47.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.0
N360/N361	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.1	x: 0.625 m η = 59.9	x: 0 m η = 0.1	x: 0.625 m η = 59.9	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.625 m η = 58.4	x: 0.625 m η = 60.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 60.0
N361/N362	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.1	x: 0.625 m η = 63.8	x: 0 m η = 0.1	x: 0.625 m η = 63.8	N.P. ⁽⁶⁾	x: 0 m η = 4.4	x: 0.625 m η = 62.2	x: 0.625 m η = 63.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.9
N362/N363	b / t ≤ (b / t) _{lim} Cumple	x: 0.469 m η = 0.3	x: 0 m η = 0.1	x: 0 m η = 63.8	x: 0 m η < 0.1	x: 0 m η = 63.8	N.P. ⁽⁶⁾	x: 0.625 m η = 4.5	x: 0 m η = 62.2	x: 0 m η = 63.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.9
N363/N364	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.1	x: 0 m η = 59.8	x: 0 m η < 0.1	x: 0 m η = 59.8	N.P. ⁽⁶⁾	x: 0.625 m η = 9.0	x: 0 m η = 58.3	x: 0 m η = 59.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.9
N364/N365	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.1	x: 0 m η = 47.8	x: 0 m η < 0.1	x: 0 m η = 47.8	N.P. ⁽⁶⁾	x: 0.625 m η = 13.5	x: 0 m η = 46.6	x: 0 m η = 47.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N365/N134	b / t ≤ (b / t) _{lim} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.625 m η = 17.9	x: 0 m η = 27.2	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N113/N345	b / t ≤ (b / t) _{lim} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.2	x: 0.625 m η = 27.8	x: 0.625 m η = 0.2	x: 0.625 m η = 27.9	η < 0.1	x: 0 m η = 17.9	x: 0.625 m η = 27.9	x: 0.625 m η = 27.9	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N345/N346	b / t ≤ (b / t) _{lim} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.3	x: 0.625 m η = 47.7	x: 0.625 m η = 0.4	x: 0.625 m η = 47.8	η < 0.1	x: 0 m η = 13.4	x: 0.625 m η = 47.8	x: 0.625 m η = 47.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N346/N347	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.3	x: 0.625 m η = 59.6	x: 0 m η = 0.4	x: 0.625 m η = 59.7	η < 0.1	x: 0 m η = 8.9	x: 0.625 m η = 59.7	x: 0.625 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N347/N348	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.2	x: 0.625 m η = 63.6	x: 0 m η = 0.4	x: 0.625 m η = 63.7	η < 0.1	x: 0 m η = 4.5	x: 0.625 m η = 63.6	x: 0.625 m η = 63.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N348/N349	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 63.6	x: 0 m η = 0.3	x: 0 m η = 63.7	η < 0.1	x: 0.625 m η = 4.5	x: 0 m η = 63.6	x: 0 m η = 63.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 63.7
N349/N350	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 59.6	x: 0 m η = 0.2	x: 0 m η = 59.7	η < 0.1	x: 0.625 m η = 9.0	x: 0 m η = 59.6	x: 0 m η = 59.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N350/N351	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.1	x: 0 m η = 47.7	x: 0 m η = 0.1	x: 0 m η = 47.7	η < 0.1	x: 0.625 m η = 13.4	x: 0 m η = 47.7	x: 0 m η = 46.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.7
N351/N112	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.3	x: 0 m η = 0.1	x: 0 m η = 27.8	x: 0 m η = 0.1	x: 0 m η = 27.8	η < 0.1	x: 0.625 m η = 17.9	x: 0 m η = 27.8	x: 0 m η = 27.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.8
N115/N352	b / t ≤ (b / t) _{lim} Cumple	x: 0.625 m η = 0.3	x: 0.625 m η = 0.5	x: 0.625 m η = 27.9	x: 0.625 m η = 0.4	x: 0.625 m η = 28.0	η = 0.1	x: 0 m η = 18.0	x: 0.625 m η = 28.0	x: 0.625 m η = 28.0	x: 0.156 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N352/N353	b / t ≤ (b / t) _{lim} Cumple	x: 0.625 m η = 0.4	x: 0.625 m η = 0.6	x: 0.625 m η = 48.0	x: 0.625 m η = 0.9	x: 0.625 m η = 48.1	η = 0.1	x: 0 m η = 13.5	x: 0.625 m η = 48.1	x: 0.625 m η = 48.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.1
N353/N354	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.2	x: 0 m η = 0.5	x: 0.625 m η = 59.8	x: 0 m η = 0.9	x: 0.625 m η = 60.0	η < 0.1	x: 0 m η = 8.9	x: 0.625 m η = 60.0	x: 0.625 m η = 60.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 60.1
N354/N355	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.625 m η = 63.7	x: 0 m η = 0.7	x: 0.625 m η = 63.9	η < 0.1	x: 0 m η = 4.4	x: 0.625 m η = 62.4	x: 0.625 m η = 64.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 64.0
N355/N356	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0 m η = 63.7	x: 0 m η = 0.6	x: 0 m η = 63.9	η < 0.1	x: 0.625 m η = 4.5	x: 0 m η = 62.4	x: 0 m η = 64.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 64.0
N356/N357	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0 m η = 59.7	x: 0 m η = 0.4	x: 0 m η = 59.8	η < 0.1	x: 0.625 m η = 9.0	x: 0 m η = 58.5	x: 0 m η = 59.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.9
N357/N358	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.2	x: 0 m η = 0.2	x: 0 m η = 47.8	x: 0 m η = 0.3	x: 0 m η = 47.8	η < 0.1	x: 0.625 m η = 13.5	x: 0 m η = 46.7	x: 0 m η = 47.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.9
N358/N117	b / t ≤ (b / t) _{lim} Cumple	x: 0 m η = 0.2	x: 0 m η = 0.2	x: 0 m η = 27.9	x: 0 m η = 0.1	x: 0 m η = 27.9	η < 0.1	x: 0.625 m η = 17.9	x: 0 m η = 27.2	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N180/N163	b / t ≤ (b / t) _{lim} Cumple	η = 5.0	η = 8.2	x: 1.35 m η = 2.8	x: 1.35 m η = 0.4	x: 1.35 m η = 2.8	η < 0.1	x: 1.35 m η = 0.3	x: 1.35 m η = 7.5	x: 1.35 m η = 20.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.9
N163/N146	b / t ≤ (b / t) _{lim} Cumple	η = 5.0	η = 8.1	x: 0 m η = 2.8	x: 0 m η = 0.4	x: 0 m η = 2.8	η < 0.1	x: 0 m η = 0.4	x: 0 m η = 7.4	x: 0 m η = 20.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.8
N146/N104	b / t ≤ (b / t) _{lim} Cumple	η = 5.0	η = 7.8	x: 0 m η = 1.1	x: 1.35 m η = 0.4	x: 0.45 m η = 1.0	η < 0.1	x: 1.35 m η = 0.2	x: 0 m η = 5.9	x: 0 m η = 17.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.3
N104/N129	b / t ≤ (b / t) _{lim} Cumple	η = 5.0	η = 7.9	x: 0 m η = 0.7	x: 0 m η = 0.4	x: 0 m η = 0.8	η < 0.1	x: 0 m η = 0.1	x: 0 m η = 5.5	x: 0 m η = 16.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.7
N129/N40	b / t ≤ (b / t) _{lim} Cumple	η = 2.8	η = 7.0	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 3.3	x: 0.92 m η = 13.4	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 13.4
N180/N29	b / t ≤ (b / t) _{lim} Cumple	η = 2.9	η = 7.6	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 3.4	x: 0.92 m η = 14.2	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.2
N180/N33	b / t ≤ (b / t) _{lim} Cumple	η = 1.6	η = 5.6	x: 0.92 m η = 29.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 6.4	x: 0.92 m η = 29.3	x: 0.92 m η = 45.4	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 45.4
N146/N33	b / t ≤ (b / t) _{lim} Cumple	η = 0.7	η = 0.3	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 1.2	x: 0.92 m η = 0.8	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 1.2
N146/N37	b / t ≤ (b / t) _{lim} Cumple	η = 0.6	η = 0.4	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 1.2	x: 0.92 m η = 1.0	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 1.2
N129/N37	b / t ≤ (b / t) _{lim} Cumple	η = 1.7	η = 5.5	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 2.2	x: 0.92 m η = 11.3	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.3
N10/N374	b / t ≤ (b / t) _{lim} Cumple	η = 3.5	η = 9.2	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 4.0	x: 0.92 m η = 16.4	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.4
N2/N353	b / t ≤ (b / t) _{lim} Cumple	η = 3.6	η = 8.9	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 4.1	x: 0.92 m η = 15.9	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.9
N113/N353	b / t ≤ (b / t) _{lim} Cumple	η = 1.8	η = 5.6	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 2.3	x: 0.92 m η = 11.5	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.5
N113/N360	b / t ≤ (b / t) _{lim} Cumple	η = 0.9	η = 0.6	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 1.4	x: 0.92 m η = 1.1	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 1.4
N149/N360	b / t ≤ (b / t) _{lim} Cumple	η = 1.0	η = 0.5	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 1.5	x: 0.92 m η = 1.1	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 1.5
N149/N374	b / t ≤ (b / t) _{lim} Cumple	η = 1.7	η = 5.7	x: 0.92 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.1	x: 0.92 m η = 2.3	x: 0.92 m η = 11.6	x: 0.184 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.6
N374/N367	b / t ≤ (b / t) _{lim} Cumple	η = 5.8	η = 9.5	x: 0.9 m η = 0.5	x: 1.35 m η = 0.5	x: 0.9 m η = 0.6	η < 0.1	x: 1.35 m η = 0.1	x: 0.9 m η = 6.3	x: 0.45 m η = 18.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.0
N367/N360	b / t ≤ (b / t) _{lim} Cumple	η = 5.7	η = 9.4	x: 0.45 m η = 0.5	x: 0 m η = 0.5	x: 0 m η = 0.6	η < 0.1	x: 1.35 m η = 0.1	x: 0 m η = 6.2	x: 0.45 m η = 16.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.8
N360/N346	b / t ≤ (b / t) _{lim} Cumple	η = 5.8	η = 9.3	x: 0.9 m η = 0.7	x: 1.35 m η = 0.5	x: 1.35 m η = 0.9	η < 0.1	x: 0 m η = 0.1	x: 1.35 m η = 6.5	x: 0.9 m η = 17.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.2

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _i	N _e	M _y	M _z	M _y M _z	V _y	V _z	N _M M _y	N _M M _z	N _M M _y V _y V _z	N _M M _y V _y V _z	
N346/N353	b / t ≤ (b / t) _{lim} Cumple	η = 5.8	η = 9.4	x: 0.45 m η = 0.7	x: 0 m η = 0.5	x: 0 m η = 0.9	η < 0.1	x: 1.35 m η = 0.1	x: 0 m η = 6.6	x: 0.9 m η = 18.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.0
N390/N387	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 22.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 50.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.6
N387/N389	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 46.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.4
N392/N388	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 52.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.8
N388/N391	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.6	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 48.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.3
N396/N393	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 52.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.8
N393/N395	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.6	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 48.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.4
N398/N394	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 22.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 50.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.6
N394/N397	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 46.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.4
N402/N399	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 22.0	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 50.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.6
N399/N401	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 46.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.4
N404/N400	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 52.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.8
N400/N403	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.6	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 48.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.3
N408/N405	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 52.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.8
N405/N407	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.6	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 48.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.4
N410/N406	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 22.0	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 50.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.6
N406/N409	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 46.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.4
N414/N411	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 22.1	x: 1.8 m η = 17.0	x: 1.8 m η = 0.3	x: 1.8 m η = 17.2	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 50.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.4
N411/N413	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 0 m η = 17.0	x: 0 m η = 0.3	x: 0 m η = 17.2	η < 0.1	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 46.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.7
N416/N412	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.1	x: 1.8 m η = 17.0	x: 1.8 m η = 0.3	x: 1.8 m η = 17.3	η < 0.1	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.575 m η = 53.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 53.1
N412/N415	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.6	x: 0 m η = 17.0	x: 0 m η = 0.3	x: 0 m η = 17.3	η < 0.1	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 48.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.8
N420/N417	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 52.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.9
N417/N419	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.6	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 48.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.4
N422/N418	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 22.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 50.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.6
N418/N421	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 46.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.4
N426/N423	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.1	x: 1.8 m η = 17.0	x: 1.8 m η = 0.3	x: 1.8 m η = 17.3	η < 0.1	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 53.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 53.2
N423/N425	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.6	x: 0 m η = 17.0	x: 0 m η = 0.3	x: 0 m η = 17.3	η < 0.1	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 48.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.9
N428/N424	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 22.1	x: 1.8 m η = 17.0	x: 1.8 m η = 0.4	x: 1.8 m η = 17.3	η < 0.1	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 50.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.9
N424/N427	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.9	x: 0 m η = 17.0	x: 0 m η = 0.4	x: 0 m η = 17.3	η < 0.1	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 46.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.9
N429/N430	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 22.2	x: 1.8 m η = 17.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.2	N.P. ⁽³⁾	x: 1.35 m η = 51.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 51.7
N430/N434	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.7	x: 0 m η = 17.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.2	N.P. ⁽³⁾	x: 0 m η = 47.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.0
N431/N432	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.9	x: 1.35 m η = 10.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.125 m η = 46.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.8
N432/N433	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.6	x: 0.198 m η = 10.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 39.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 39.8
N435/N436	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.7	x: 1.35 m η = 10.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.125 m η = 46.5	x: 0.225 m η < 0.1		

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _i	N _e	M _y	M _z	M _y M _z	V _y	V _z	N.M.M _y	N.M.M _z	N.M.V _y V _z	M.N.M.V _y V _z	
N521/N470	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 39.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 39.6
N448/N518	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.6	x: 1.575 m η = 15.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.35 m η = 42.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.8
N518/N471	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.6	x: 0 m η = 15.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 37.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 37.7
N447/N519	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.4	x: 1.35 m η = 10.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.125 m η = 47.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.0
N519/N472	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.6	x: 0.395 m η = 9.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.6	N.P. ⁽³⁾	x: 0.198 m η = 40.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.2
N453/N527	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.9	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 42.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.9
N527/N473	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.8	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 39.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 39.5
N454/N528	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 25.1	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 54.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.0
N528/N474	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.4	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 49.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 49.5
N455/N529	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.6	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 48.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.7
N529/N475	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 44.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.7
N456/N530	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.6	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 48.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.8
N530/N476	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 44.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.8
N459/N517	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.5	x: 1.8 m η = 17.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.2	N.P. ⁽³⁾	x: 1.35 m η = 49.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 49.1
N517/N477	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.2	N.P. ⁽³⁾	x: 0 m η = 45.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 45.1
N460/N516	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.5	x: 1.35 m η = 10.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.125 m η = 42.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.2
N516/N478	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0.198 m η = 9.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.6	N.P. ⁽³⁾	x: 0 m η = 35.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 35.6
N457/N532	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.7	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 48.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.8
N532/N479	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 44.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.8
N458/N533	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.7	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 48.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.9
N533/N480	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 44.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.8
N461/N536	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.6	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 48.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.8
N536/N481	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 44.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.8
N462/N537	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.6	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 48.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.7
N537/N482	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 44.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.7
N465/N540	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.6	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 48.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.7
N540/N483	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 44.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.7
N466/N538	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.6	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 48.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.8
N538/N484	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.7	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 44.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.8
N541/N542	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.8	x: 0.44 m η = 1.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.7	N.P. ⁽³⁾	x: 0.22 m η = 3.7	x: 0.22 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.7
N543/N544	b / t ≤ (b / t) _{Max.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.8	x: 0.44 m η = 1.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.7	N.P. ⁽³⁾	x: 0.22 m η = 3.7	x: 0.22 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.7
N545/N546	b / t ≤ (b / t) _{Max.} Cumple	x: 0.88 m η = 0.3	x: 0 m η = 1.5	x: 0.44 m η = 1.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.7	N.P. ⁽³⁾	x: 0.44 m η = 2.4	x: 0.22 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.4
N547/N548	b / t ≤ (b / t) _{Max.} Cumple	x: 0.88 m η = 0.3	x: 0 m η = 1.5	x: 0.44 m η = 1.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.7	N.P. ⁽³⁾	x: 0.44 m η = 2.4	x: 0.22 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.4
N549/N550	b / t ≤ (b / t) _{Max.} Cumple	x: 0.88 m η = 0.1	x: 0 m η = 1.8	x: 0.44 m η = 1.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.7	N.P. ⁽³⁾	x: 0.22 m η = 2.7	x: 0.22 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.7
N532/N194	b / t ≤ (b / t) _{Max.} Cumple	η < 0.1	η < 0.1	x: 0.292 m η = 0.1	N.P. ^{(4)</}								



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _t	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	NM _y V _y V _z	M _N M _y M _z V _y V _z	
N152/N135	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N111/N118	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N135/N111	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N168/N151	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N151/N134	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N112/N117	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N134/N112	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N170/N153	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.5	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.5
N136/N26	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.5	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.5
N26/N119	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.5	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.5
N153/N136	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.5	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.5
N175/N158	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.2	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N141/N110	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N110/N124	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N158/N141	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N124/N22	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 3.6	N.P. ⁽⁴⁾	x: 1.35 m η = 1.0	N.P. ⁽⁵⁾	x: 1.35 m η = 0.1	N.P. ⁽⁶⁾	x: 0.45 m η = 3.1	x: 1.35 m η = 5.8	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.8
N22/N48	b / t ≤ (b / t) _{máx.} Cumple	η = 3.7	η = 3.4	N.P. ⁽⁴⁾	x: 0 m η = 1.0	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0 m η = 4.0	x: 0 m η = 5.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.5
N118/N18	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 3.7	N.P. ⁽⁴⁾	x: 1.35 m η = 1.0	N.P. ⁽⁵⁾	x: 1.35 m η = 0.1	N.P. ⁽⁶⁾	x: 0.45 m η = 3.2	x: 1.35 m η = 5.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.9
N18/N46	b / t ≤ (b / t) _{máx.} Cumple	η = 3.5	η = 3.5	N.P. ⁽⁴⁾	x: 0 m η = 1.0	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0 m η = 3.8	x: 0 m η = 5.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.6
N117/N14	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 3.7	N.P. ⁽⁴⁾	x: 1.35 m η = 1.0	N.P. ⁽⁵⁾	x: 1.35 m η = 0.1	N.P. ⁽⁶⁾	x: 0.45 m η = 3.1	x: 1.35 m η = 5.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.9
N14/N51	b / t ≤ (b / t) _{máx.} Cumple	η = 3.6	η = 3.5	N.P. ⁽⁴⁾	x: 0 m η = 1.0	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0 m η = 4.0	x: 0 m η = 5.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.6
N49/N24	b / t ≤ (b / t) _{máx.} Cumple	η = 4.3	η = 2.8	N.P. ⁽⁴⁾	x: 0.6 m η = 9.2	N.P. ⁽⁵⁾	x: 0.6 m η = 0.7	N.P. ⁽⁶⁾	x: 0.6 m η = 5.5	x: 0.6 m η = 9.0	x: 0.3 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 9.2
N24/N170	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 3.0	N.P. ⁽⁴⁾	x: 0 m η = 9.2	N.P. ⁽⁵⁾	x: 1.35 m η = 0.2	N.P. ⁽⁶⁾	x: 0.9 m η = 3.0	x: 0 m η = 7.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 9.2
N119/N27	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 3.6	N.P. ⁽⁴⁾	x: 1.35 m η = 1.0	N.P. ⁽⁵⁾	x: 1.35 m η = 0.1	N.P. ⁽⁶⁾	x: 0.45 m η = 3.0	x: 1.35 m η = 5.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.7
N27/N50	b / t ≤ (b / t) _{máx.} Cumple	η = 3.7	η = 3.4	N.P. ⁽⁴⁾	x: 0 m η = 1.0	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0 m η = 4.1	x: 0 m η = 5.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.4
N41/N10	b / t ≤ (b / t) _{máx.} Cumple	η = 5.5	η = 2.2	N.P. ⁽⁴⁾	x: 0.6 m η = 1.0	N.P. ⁽⁵⁾	x: 0.6 m η = 0.1	N.P. ⁽⁶⁾	x: 0.6 m η = 5.9	x: 0.6 m η = 3.7	x: 0.3 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.9
N10/N216	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.7	N.P. ⁽⁴⁾	x: 0.675 m η = 7.5	N.P. ⁽⁵⁾	x: 0.675 m η = 0.3	N.P. ⁽⁶⁾	x: 0.675 m η = 6.8	x: 0.675 m η = 10.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 10.7
N216/N166	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.7	N.P. ⁽⁴⁾	x: 0 m η = 7.5	N.P. ⁽⁵⁾	x: 0 m η = 0.3	N.P. ⁽⁶⁾	x: 0 m η = 6.8	x: 0 m η = 10.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 10.7
N115/N238	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 3.3	x: 0.675 m η = 3.8	x: 0.675 m η = 5.6	x: 0.675 m η = 9.3	x: 0.675 m η = 0.2	η = 0.5	x: 0.675 m η = 7.3	x: 0.675 m η = 13.1	x: 0.169 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 13.1
N238/N2	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 3.3	x: 0 m η = 3.8	x: 0 m η = 5.6	x: 0 m η = 9.3	x: 0 m η = 0.2	η = 0.5	x: 0 m η = 7.3	x: 0 m η = 13.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 13.1
N2/N44	b / t ≤ (b / t) _{máx.} Cumple	η = 4.7	η = 2.6	N.P. ⁽⁴⁾	x: 0 m η = 1.0	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0 m η = 5.1	x: 0 m η = 4.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.1
N166/N612	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.4	x: 0.399 m η = 3.2	x: 0.399 m η = 17.9	x: 0.399 m η = 20.6	x: 0.399 m η = 1.1	η = 0.7	x: 0.399 m η = 16.7	x: 0.399 m η = 22.1	x: 0.2 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.1
N612/N218	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.2	x: 0.276 m η = 4.3	x: 0 m η = 17.9	x: 0 m η = 20.6	x: 0.276 m η = 0.4	η = 0.3	x: 0.276 m η = 18.1	x: 0 m η = 22.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.3
N218/N149	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.2	x: 0 m η = 4.3	x: 0.675 m η = 24.3	x: 0.675 m η = 26.6	x: 0 m η = 1.5	η = 0.9	x: 0.675 m η = 27.0	x: 0.675 m η = 24.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.0
N149/N220	b / t ≤ (b / t) _{máx.} Cumple	η = 3.9	η = 1.8	x: 0 m η = 3.8	x: 0.675 m η = 27.3	x: 0.675 m η = 29.4	x: 0.675 m η = 1.8	η = 0.9	x: 0 m η = 28.0	x: 0.675 m η = 31.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.5
N220/N132	b / t ≤ (b / t) _{máx.} Cumple	η = 3.9	η = 1.8	x: 0 m η = 3.8	x: 0.675 m η = 27.5	x: 0 m η = 29.4	x: 0 m η = 2.0	η = 0.9	x: 0.675 m η = 30.8	x: 0 m η = 31.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.5
N132/N222	b / t ≤ (b / t) _{máx.} Cumple	η = 3.9	η = 1.7	x: 0.675 m η = 3.6	x: 0.675 m η = 28.2	x: 0.675 m η = 30.2	x: 0.675 m η = 2.0	η = 0.8	x: 0 m η = 30.8	x: 0.675 m η = 31.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.9
N222/N113	b / t ≤ (b / t) _{máx.} Cumple	η = 3.9	η = 1.7	x: 0.675 m η = 4.3	x: 0 m η = 28.2	x: 0 m η = 30.2	x: 0 m η = 1.9	η = 0.9	x: 0.675 m η = 29.6	x: 0 m η = 31.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.9
N113/N224	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.6	x: 0.675 m η = 5.3	x: 0 m η = 25.9	x: 0 m η = 28.8	x: 0.675 m η = 1.6	η = 1.1	x: 0 m η = 28.7	x: 0 m η = 26.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.8
N224/N115	b / t ≤ (b / t) _{máx.} Cumple	η = 2.3	η = 2.6	x: 0 m η = 5.3	x: 0 m η = 19.0	x: 0 m η = 23.5	x: 0 m η = 0.7	η = 0.6	x: 0 m η = 21.5	x: 0 m η = 25.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.2
N31/N232	b / t ≤ (b / t) _{máx.} Cumple	η = 1.5	η = 2.7	x: 0.675 m η = 5.2	x: 0.675 m η = 10.7	x: 0.675 m η = 15.5	x: 0.675 m η = 0.4	η = 0.6	x: 0.675 m η = 11.6	x: 0.675 m η = 19.1	x: 0.169 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 19.1
N232/N33	b / t ≤ (b / t) _{máx.} Cumple	η = 1.5	η = 2.7	x: 0 m η = 5.2	x: 0.675 m η = 12.6	x: 0.675 m η = 16.2	x: 0 m η = 0.8	η = 1.1	x: 0.675 m η = 16.5	x: 0 m η = 19.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 19.1
N33/N230	b / t ≤ (b / t) _{máx.} Cumple	η = 2.8	η = 3.5	x: 0 m η = 4.5	x: 0.675 m η = 13.7	x: 0.675 m η = 16.7	x: 0.675 m η = 1.0	η = 0.9	x: 0 m η = 16.6	x: 0.675 m η = 21.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.4
N230/N35	b / t ≤ (b / t) _{máx.} Cumple	η = 2.8	η = 3.5	x: 0 m η = 3.8	x: 0 m η = 13.7	x: 0 m η = 16.7	x: 0 m η = 1.0	η = 0.8	x: 0.675 m η = 16.4	x: 0 m η = 21.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.4
N35/N228	b / t ≤ (b / t) _{máx.} Cumple	η = 2.8	η = 3.5	x: 0.675 m η = 3.8	x: 0.675 m η = 13.6	x: 0.675 m η = 16.6	x: 0.675 m η = 1.0	η = 0.8	x: 0 m η = 16.4	x: 0.675 m η = 21.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.3
N228/N37	b / t ≤ (b / t) _{máx.} Cumple	η = 2.8	η = 3.5	x: 0.675 m η = 4.5	x: 0 m η = 13.6	x: 0 m η = 16.6	x: 0 m η = 1.0	η = 0.9	x: 0.675 m η = 17.0	x: 0 m η = 21.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.3
N37/N226	b / t ≤ (b / t) _{máx.} Cumple	η = 1.7	η = 3.0	x: 0.675 m η = 5.2	x: 0 m η = 12.5	x: 0 m η = 16.4	x: 0.675 m η = 0.8	η = 1.1	x: 0 m η = 17.1	x: 0.675 m η = 17.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.5
N226/N39	b / t ≤ (b / t) _{máx.} Cumple	η = 1.7	η = 3.0	x: 0 m η = 5.2	x: 0 m η = 10.7	x: 0 m η = 15.4	x: 0 m η = 0						



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _i	N _c	M _y	M _z	M _y M _z	V _y	V _z	N,M,M _z	N,M,M _y	N,M,V,V _y	N,M,M,V,V _y	
N39/N236	b / t ≤ (b / t) _{lím.} Cumple	η = 1.6	η = 3.1	x: 0.675 m η = 4.6	x: 0.675 m η = 3.6	x: 0.675 m η = 7.9	x: 0.675 m η = 0.2	η = 0.6	x: 0.675 m η = 5.5	x: 0.675 m η = 12.0	x: 0.169 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 12.0
N236/N40	b / t ≤ (b / t) _{lím.} Cumple	η = 1.6	η = 3.1	x: 0 m η = 4.6	x: 0 m η = 3.6	x: 0 m η = 7.9	x: 0 m η = 0.1	η = 0.6	x: 0 m η = 5.5	x: 0 m η = 12.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 12.0
N40/N43	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	N.P. ⁽⁹⁾	N.P. ⁽⁴⁾	x: 0 m η = 1.0	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 1.0
N42/N29	b / t ≤ (b / t) _{lím.} Cumple	η = 5.9	η = 5.4	N.P. ⁽⁴⁾	x: 0.6 m η = 9.2	N.P. ⁽⁵⁾	x: 0.6 m η = 0.7	N.P. ⁽⁶⁾	x: 0.6 m η = 6.3	x: 0.6 m η = 8.5	x: 0.3 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 9.2
N29/N234	b / t ≤ (b / t) _{lím.} Cumple	η = 1.5	η = 4.9	x: 0.675 m η = 4.6	x: 0 m η = 9.2	x: 0.675 m η = 7.9	x: 0.675 m η = 0.6	η = 0.6	x: 0.675 m η = 6.5	x: 0.675 m η = 14.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.0
N234/N31	b / t ≤ (b / t) _{lím.} Cumple	η = 1.5	η = 4.9	x: 0 m η = 4.6	x: 0 m η = 5.6	x: 0 m η = 7.9	x: 0 m η = 0.2	η = 0.6	x: 0 m η = 6.5	x: 0 m η = 14.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.0
N567/N586	b / t ≤ (b / t) _{lím.} Cumple	x: 1.8 m η = 6.0	x: 0.675 m η = 14.9	x: 1.8 m η = 1.5	x: 1.8 m η = 4.6	x: 1.8 m η = 5.2	x: 1.8 m η = 0.6	x: 1.8 m η = 0.4	x: 1.8 m η = 8.8	x: 0.9 m η = 29.6	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.6
N586/N568	b / t ≤ (b / t) _{lím.} Cumple	x: 0 m η = 0.1	x: 0 m η = 10.4	x: 0 m η = 1.5	x: 0 m η = 4.6	x: 0 m η = 5.2	x: 0 m η = 0.5	x: 0 m η = 0.4	x: 0 m η = 4.9	x: 0 m η = 27.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.6
N582/N617	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	N.P. ⁽⁹⁾	x: 0.75 m η = 2.1	x: 0.75 m η = 47.3	x: 0.75 m η = 47.6	x: 0 m η = 2.5	η = 0.3	x: 0.75 m η = 47.6	N.P. ⁽⁷⁾	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.6
N617/N583	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	N.P. ⁽⁹⁾	x: 0 m η = 2.1	x: 0 m η = 47.3	x: 0 m η = 47.6	x: 0.75 m η = 2.5	η = 0.3	x: 0 m η = 47.6	N.P. ⁽⁷⁾	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.6
N586/N615	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	η = 2.6	x: 0.583 m η = 4.6	x: 0.583 m η = 16.3	x: 0.583 m η = 20.9	η = 1.0	x: 0 m η = 0.8	N.P. ⁽³⁾	x: 0.583 m η = 21.9	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.9
N615/N616	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	η = 2.6	x: 0 m η = 4.6	x: 0 m η = 16.3	x: 0 m η = 20.9	η = 0.4	x: 0.583 m η = 1.2	N.P. ⁽³⁾	x: 0 m η = 21.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.9
N616/N585	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	η = 2.6	x: 0 m η = 2.5	x: 0 m η = 10.8	x: 0 m η = 12.8	η = 0.7	x: 0 m η = 0.5	N.P. ⁽³⁾	x: 0 m η = 13.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 13.9
N587/N1406	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 9.5	x: 1.35 m η = 8.8	x: 1.8 m η = 2.7	x: 1.575 m η = 10.7	η = 0.1	x: 1.35 m η = 1.3	N.P. ⁽³⁾	x: 1.35 m η = 29.3	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.3
N1406/N588	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 1.6	x: 0.198 m η = 8.1	x: 0 m η = 2.7	x: 0.198 m η = 10.3	η = 0.1	x: 1.58 m η = 1.3	N.P. ⁽³⁾	x: 0 m η = 11.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.8
N591/N1405	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 32.5	x: 1.35 m η = 7.7	x: 1.8 m η = 2.9	x: 1.575 m η = 10.0	η = 0.1	x: 0 m η = 1.1	N.P. ⁽³⁾	x: 1.575 m η = 54.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.1
N1405/N592	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.5	x: 0.198 m η = 7.2	x: 0 m η = 2.9	x: 0 m η = 9.8	η = 0.1	x: 1.58 m η = 1.1	N.P. ⁽³⁾	x: 0 m η = 48.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.9
N608/N661	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	η = 2.3	x: 0.583 m η = 1.9	x: 0.583 m η = 32.3	x: 0.583 m η = 34.1	η = 2.0	x: 0 m η = 0.4	N.P. ⁽⁷⁾	x: 0.583 m η = 34.0	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.1
N661/N660	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	η = 2.3	x: 0.583 m η = 2.5	x: 0 m η = 32.3	x: 0 m η = 34.1	η = 0.8	x: 0.583 m η = 0.8	N.P. ⁽³⁾	x: 0 m η = 34.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.1
N660/N607	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	η = 2.3	x: 0 m η = 2.5	x: 0 m η = 19.9	x: 0 m η = 21.9	η = 1.3	x: 0 m η = 0.5	N.P. ⁽³⁾	x: 0 m η = 21.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.9
N610/N662	b / t ≤ (b / t) _{lím.} Cumple	η = 0.1	η = 0.1	x: 0.75 m η = 2.1	x: 0.75 m η = 47.3	x: 0.75 m η = 47.6	x: 0 m η = 2.5	η = 0.3	x: 0.75 m η = 47.6	x: 0.75 m η = 47.6	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.6
N662/N609	b / t ≤ (b / t) _{lím.} Cumple	η = 0.1	η = 0.1	x: 0 m η = 2.1	x: 0 m η = 47.3	x: 0 m η = 47.6	x: 0.75 m η = 2.5	η = 0.3	x: 0 m η = 47.6	x: 0 m η = 47.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.6
N611/N1407	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.6	x: 1.8 m η = 4.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.5	N.P. ⁽³⁾	x: 1.35 m η = 18.3	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.3
N1407/N612	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.1	x: 0 m η = 4.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 0.5	N.P. ⁽³⁾	x: 0 m η = 6.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 6.4
N590/N677	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	η < 0.1	x: 0.583 m η = 1.6	x: 0.583 m η = 14.6	x: 0.583 m η = 15.7	x: 0.583 m η = 2.9	η = 0.3	x: 0.583 m η = 14.6	x: 0.583 m η = 15.7	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.7
N677/N676	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	η < 0.1	x: 0.583 m η = 3.2	x: 0 m η = 14.6	x: 0 m η = 15.7	x: 0 m η = 2.6	η = 0.3	x: 0 m η = 14.6	x: 0 m η = 15.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.7
N676/N675	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	η < 0.1	x: 0.585 m η = 4.7	x: 0.585 m η = 12.8	x: 0.585 m η = 16.8	x: 0.585 m η = 2.5	η = 0.3	x: 0.585 m η = 12.8	x: 0.585 m η = 16.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.9
N675/N674	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	η < 0.1	x: 0.75 m η = 6.8	x: 0.75 m η = 16.7	x: 0.75 m η = 22.6	x: 0.75 m η = 3.1	η = 0.3	x: 0.75 m η = 16.8	x: 0.75 m η = 22.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.6
N674/N673	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 6.8	x: 0 m η = 16.7	x: 0 m η = 22.6	x: 0 m η = 3.1	η = 0.3	x: 0 m η = 16.8	x: 0 m η = 22.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.6
N673/N672	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 4.7	x: 0 m η = 12.7	x: 0 m η = 16.7	x: 0 m η = 2.5	η = 0.3	x: 0 m η = 12.7	x: 0 m η = 16.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.8
N672/N671	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 3.2	x: 0.583 m η = 11.1	x: 0.583 m η = 12.1	x: 0.583 m η = 2.4	η = 0.3	x: 0.583 m η = 11.1	x: 0.583 m η = 12.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 12.1
N671/N612	b / t ≤ (b / t) _{lím.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 1.6	x: 0 m η = 11.1	x: 0 m η = 12.1	x: 0 m η = 2.8	η = 0.3	x: 0 m η = 11.1	x: 0 m η = 12.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 12.1
N617/N618	b / t ≤ (b / t) _{lím.} Cumple	x: 0.88 m η = 0.4	x: 0 m η = 1.3	x: 0.44 m η = 1.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.7	x: 0.66 m η = 1.1	x: 0.44 m η = 2.2	x: 0.22 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.2
N580/N613	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 25.1	x: 1.8 m η = 16.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 54.0	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.0
N613/N581	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 16.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 49.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 49.4
N578/N614	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.8	x: 1.8 m η = 16.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 42.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.9
N614/N579	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.7	x: 0 m η = 16.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 39.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 39.5
N576/N584	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.2	x: 1.8 m η = 15.1	x: 1.8 m η = 0.1	x: 1.8 m η = 15.2	N.P. ⁽⁶⁾	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.35 m η = 50.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.4
N584/N583	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.5	x: 0 m η = 15.1	x: 0.7 m η = 0.4	x: 0 m η = 15.2	η < 0.1	x: 0.7 m η = 0.9	N.P. ⁽³⁾	x: 0 m η = 23.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.2
N583/N577	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.5	x: 0 m η = 11.7	x: 0 m η = 0.4	x: 0 m η = 12.1	η < 0.1	x: 0.88 m η = 1.7	N.P. ⁽⁷⁾	x: 0 m η = 18.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.7
N574/N585	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.1	x: 1.8 m η = 17.6	x: 1.8 m η = 0.4	x: 1.8 m η = 18.1	η < 0.1	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.575 m η = 56.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.9
N585/N582	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.8	x: 0 m η = 17.6	x: 0 m η = 0.4	x: 0 m η = 18.1	η = 0.1	x: 0.7 m η = 1.1	N.P. ⁽³⁾	x: 0 m η = 25.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.8
N582/N575	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.6	x: 0 m η = 13.1	x: 0 m η = 0.2	x: 0 m η = 13.3	η < 0.1	x: 0.88 m η = 1.9	N.P. ⁽³⁾	x: 0 m η = 19.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 19.8
N464/N514	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 25.2	x: 1.8 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 54.1	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.1
N514/N486	b / t ≤ (b / t) _{lím.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 17.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 49.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 49.5
N619/N657	b / t ≤ (b / t) _{lím.} Cumple	x: 0.626 m η = 0.8	x: 0.626										



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N ₁	N ₂	M ₁	M ₂	M ₁ M ₂	V ₁	V ₂	N ₁ M ₁	N ₂ M ₂	N ₁ M ₁ V ₁	N ₂ M ₂ V ₂	
N655/N654	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 3.1	x: 0.625 m η = 4.3	x: 0.625 m η = 71.5	x: 0.625 m η = 9.2	x: 0.625 m η = 76.7	η = 0.4	x: 0 m η = 4.5	x: 0.625 m η = 73.6	x: 0.625 m η = 78.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 78.6
N654/N653	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 3.1	x: 0 m η = 4.3	x: 0 m η = 71.5	x: 0 m η = 9.2	x: 0 m η = 76.7	η = 0.4	x: 0.624 m η = 4.5	x: 0 m η = 73.6	x: 0 m η = 78.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 78.6
N653/N652	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 2.3	x: 0 m η = 3.2	x: 0 m η = 67.0	x: 0 m η = 6.9	x: 0 m η = 70.2	η = 0.4	x: 0.625 m η = 8.9	x: 0 m η = 68.1	x: 0 m η = 71.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.6
N652/N651	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 1.5	x: 0 m η = 2.2	x: 0 m η = 53.6	x: 0 m η = 4.6	x: 0 m η = 55.2	η = 0.4	x: 0.625 m η = 13.4	x: 0 m η = 54.1	x: 0 m η = 56.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.2
N651/N115	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.8	x: 0 m η = 1.1	x: 0 m η = 31.3	x: 0 m η = 2.3	x: 0 m η = 31.9	η = 0.4	x: 0.625 m η = 17.9	x: 0 m η = 31.4	x: 0 m η = 32.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.3
N620/N636	b / t ≤ (b / t) _{adm.} Cumple	x: 0.626 m η = 0.8	x: 0.626 m η = 1.1	x: 0.626 m η = 31.3	x: 0.626 m η = 2.3	x: 0.626 m η = 31.9	η = 0.4	x: 0 m η = 17.9	x: 0.626 m η = 31.5	x: 0.626 m η = 32.3	x: 0.157 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.3
N636/N635	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 1.5	x: 0.625 m η = 2.2	x: 0.625 m η = 53.6	x: 0.625 m η = 4.6	x: 0.625 m η = 55.2	η = 0.4	x: 0 m η = 13.4	x: 0.625 m η = 54.2	x: 0.625 m η = 56.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.2
N635/N634	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 2.3	x: 0.625 m η = 3.3	x: 0.625 m η = 67.0	x: 0.625 m η = 6.9	x: 0.625 m η = 70.1	η = 0.4	x: 0 m η = 8.9	x: 0.625 m η = 68.1	x: 0.625 m η = 71.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.6
N634/N633	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 3.0	x: 0.625 m η = 4.3	x: 0.625 m η = 71.5	x: 0.625 m η = 9.2	x: 0.625 m η = 76.6	η = 0.4	x: 0 m η = 4.5	x: 0.625 m η = 73.6	x: 0.625 m η = 78.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 78.6
N633/N632	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 3.0	x: 0 m η = 4.3	x: 0 m η = 71.5	x: 0 m η = 9.2	x: 0 m η = 76.6	η = 0.4	x: 0.624 m η = 4.5	x: 0 m η = 73.6	x: 0 m η = 78.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 78.6
N632/N631	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 2.3	x: 0 m η = 3.3	x: 0 m η = 67.0	x: 0 m η = 6.9	x: 0 m η = 70.1	η = 0.4	x: 0.625 m η = 8.9	x: 0 m η = 68.1	x: 0 m η = 71.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.6
N631/N630	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 1.5	x: 0 m η = 2.2	x: 0 m η = 53.6	x: 0 m η = 4.6	x: 0 m η = 55.2	η = 0.4	x: 0.625 m η = 13.4	x: 0 m η = 54.1	x: 0 m η = 56.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.2
N630/N113	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.8	x: 0 m η = 1.1	x: 0 m η = 31.3	x: 0 m η = 2.3	x: 0 m η = 31.9	η = 0.4	x: 0.625 m η = 17.9	x: 0 m η = 31.4	x: 0 m η = 32.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.3
N621/N629	b / t ≤ (b / t) _{adm.} Cumple	x: 0.626 m η = 0.8	x: 0.626 m η = 1.1	x: 0.626 m η = 31.3	x: 0.626 m η = 2.3	x: 0.626 m η = 31.9	η = 0.4	x: 0 m η = 17.9	x: 0.626 m η = 31.5	x: 0.626 m η = 32.3	x: 0.157 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.3
N629/N628	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 1.5	x: 0.625 m η = 2.2	x: 0.625 m η = 53.6	x: 0.625 m η = 4.6	x: 0.625 m η = 55.2	η = 0.4	x: 0 m η = 13.4	x: 0.625 m η = 54.1	x: 0.625 m η = 56.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.1
N628/N627	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 2.3	x: 0.625 m η = 3.2	x: 0.625 m η = 67.0	x: 0.625 m η = 6.9	x: 0.625 m η = 70.1	η = 0.4	x: 0 m η = 8.9	x: 0.625 m η = 68.1	x: 0.625 m η = 71.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.5
N627/N626	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 3.0	x: 0.625 m η = 4.3	x: 0.625 m η = 71.5	x: 0.625 m η = 9.1	x: 0.625 m η = 76.6	η = 0.4	x: 0 m η = 4.5	x: 0.625 m η = 73.6	x: 0.625 m η = 78.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 78.5
N626/N625	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 3.0	x: 0 m η = 4.3	x: 0 m η = 71.5	x: 0 m η = 9.1	x: 0 m η = 76.6	η = 0.4	x: 0.624 m η = 4.5	x: 0 m η = 73.6	x: 0 m η = 78.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 78.5
N625/N624	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 2.3	x: 0 m η = 3.2	x: 0 m η = 67.0	x: 0 m η = 6.9	x: 0 m η = 70.1	η = 0.4	x: 0.625 m η = 8.9	x: 0 m η = 68.1	x: 0 m η = 71.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 71.5
N624/N623	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 1.5	x: 0 m η = 2.2	x: 0 m η = 53.6	x: 0 m η = 4.6	x: 0 m η = 55.2	η = 0.4	x: 0.625 m η = 13.4	x: 0 m η = 54.1	x: 0 m η = 56.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.1
N623/N132	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.8	x: 0 m η = 1.1	x: 0 m η = 31.3	x: 0 m η = 2.3	x: 0 m η = 31.9	η = 0.4	x: 0.625 m η = 17.9	x: 0 m η = 31.4	x: 0 m η = 32.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.3
N622/N643	b / t ≤ (b / t) _{adm.} Cumple	x: 0.626 m η = 0.8	x: 0.626 m η = 1.1	x: 0.626 m η = 26.8	x: 0.626 m η = 2.3	x: 0.626 m η = 27.6	η = 0.4	x: 0 m η = 15.3	x: 0.626 m η = 27.0	x: 0.626 m η = 28.0	x: 0.157 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N643/N642	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 1.5	x: 0.625 m η = 2.1	x: 0.625 m η = 45.9	x: 0.625 m η = 4.6	x: 0.625 m η = 47.9	η = 0.4	x: 0 m η = 11.5	x: 0.625 m η = 46.6	x: 0.625 m η = 48.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.8
N642/N641	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 2.3	x: 0.625 m η = 3.2	x: 0.625 m η = 57.4	x: 0.625 m η = 6.9	x: 0.625 m η = 61.0	η = 0.4	x: 0 m η = 7.6	x: 0.625 m η = 58.7	x: 0.625 m η = 62.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.4
N641/N640	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 3.1	x: 0.625 m η = 4.3	x: 0.625 m η = 61.2	x: 0.625 m η = 9.2	x: 0.625 m η = 66.9	η = 0.4	x: 0 m η = 3.8	x: 0.625 m η = 63.9	x: 0.625 m η = 68.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 68.8
N640/N639	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 3.1	x: 0 m η = 4.3	x: 0 m η = 61.2	x: 0 m η = 9.2	x: 0 m η = 66.9	η = 0.4	x: 0.624 m η = 3.8	x: 0 m η = 63.9	x: 0 m η = 68.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 68.8
N639/N638	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 2.3	x: 0 m η = 3.2	x: 0 m η = 57.4	x: 0 m η = 6.9	x: 0 m η = 61.0	η = 0.4	x: 0.625 m η = 7.6	x: 0 m η = 58.7	x: 0 m η = 62.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.4
N638/N637	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 1.5	x: 0 m η = 2.1	x: 0 m η = 45.9	x: 0 m η = 4.6	x: 0 m η = 47.9	η = 0.4	x: 0.625 m η = 11.5	x: 0 m η = 46.6	x: 0 m η = 48.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 48.8
N637/N149	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 0.8	x: 0 m η = 1.1	x: 0 m η = 26.8	x: 0 m η = 2.3	x: 0 m η = 27.6	η = 0.4	x: 0.625 m η = 15.3	x: 0 m η = 27.0	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N592/N650	b / t ≤ (b / t) _{adm.} Cumple	x: 0.626 m η = 1.0	x: 0.626 m η = 0.8	x: 0.626 m η = 20.6	x: 0.626 m η = 2.3	x: 0.626 m η = 21.7	η = 0.4	x: 0 m η = 11.7	x: 0.626 m η = 20.8	x: 0.626 m η = 21.8	x: 0.157 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.8
N650/N649	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 1.7	x: 0.625 m η = 1.9	x: 0.625 m η = 35.2	x: 0.625 m η = 4.6	x: 0.625 m η = 37.9	η = 0.4	x: 0 m η = 8.8	x: 0.625 m η = 36.1	x: 0.625 m η = 38.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 38.4
N649/N648	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 2.5	x: 0.625 m η = 3.0	x: 0.625 m η = 44.0	x: 0.625 m η = 6.9	x: 0.625 m η = 48.5	η = 0.4	x: 0 m η = 5.9	x: 0.625 m η = 46.0	x: 0.625 m η = 49.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 49.5
N648/N647	b / t ≤ (b / t) _{adm.} Cumple	x: 0.625 m η = 3.3	x: 0.625 m η = 4.0	x: 0.625 m η = 46.9	x: 0.625 m η = 9.2	x: 0.625 m η = 53.5	η = 0.4	x: 0 m η = 2.9	x: 0.625 m η = 50.3	x: 0.625 m η = 55.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 55.0
N647/N646	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 3.3	x: 0 m η = 4.0	x: 0 m η = 46.9	x: 0 m η = 9.2	x: 0 m η = 53.5	η = 0.4	x: 0.624 m η = 2.9	x: 0 m η = 50.3	x: 0 m η = 55.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 55.0
N646/N645	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 2.5	x: 0 m η = 3.0	x: 0 m η = 44.0	x: 0 m η = 6.9	x: 0 m η = 48.5	η = 0.4	x: 0.625 m η = 5.9	x: 0 m η = 45.9	x: 0 m η = 49.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 49.5
N645/N644	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 1.7	x: 0 m η = 1.9	x: 0 m η = 35.2	x: 0 m η = 4.6	x: 0 m η = 37.8	η = 0.4	x: 0.625 m η = 8.8	x: 0 m η = 36.1	x: 0 m η = 38.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 38.4
N644/N166	b / t ≤ (b / t) _{adm.} Cumple	x: 0 m η = 1.0	x: 0 m η = 0.8	x: 0 m η = 20.5	x: 0 m η = 2.3	x: 0 m η = 21.7	η = 0.4	x: 0.625 m η = 11.7	x: 0 m η = 20.8	x: 0 m η = 21.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.8
N662/N663	b / t ≤ (b / t) _{adm.} Cumple	x: 0.88 m η = 0.4	x: 0 m η = 1.3	x: 0.44 m η = 1.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.7	x: 0.66 m η = 1.1	x: 0.44 m η = 2.2	x: 0.22 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 2.2
N600/N661	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.8	x: 1.8 m η = 21.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.4	N.P. ⁽³⁾	x: 1.575 m η = 58.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.2
N661/N601	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.7	x: 0 m η = 21.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.5	N.P. ⁽³⁾	x: 0 m η = 55.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 55.0
N598/N660	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.4	x: 1.575 m η = 16.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 43.3	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 43.3
N660/N599	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.5	x: 0 m η = 16.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 38.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 38.6
N596/N607	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 28.8	x: 1.8 m η = 19.7	x: 1.8 m η = 0.5	x: 1.8 m η = 20.2	η < 0.1	x: 0 m η = 2.2	N.P. ⁽³⁾	x: 1.35 m η = 58.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.4
N607/N610	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.6	x: 0 m η = 19.7	x: 0.7 m η = 1.1	x: 0 m η = 20.2	η = 0.2	x: 0.7 m η = 1.2	N.P. ⁽³⁾	x: 0 m η = 27.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.9
N610/N597	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.7	x: 0 m η = 14.3	x: 0 m η = 1.1	x: 0 m η = 15.4	η = 0.1	x: 0.88 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 22.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.0
N594/N606	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.2	x: 1.8 m η = 15.1	x: 1.8 m η = 1.1	x: 1.8 m η = 16.2	η < 0.1	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.575 m η = 53.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 53.4
N606/N609	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.7	x: 0 m η = 15.1	x: 0 m η = 1.1	x: 0 m η = 16.2	η = 0.2	x: 0.7 m η = 0.9	N.P. ⁽³⁾	x: 0 m η = 24.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.0
N609/N595	b / t ≤ (b / t) _{adm.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.5	x: 0 m η = 11.7	x: 0 m η = 0.8	x: 0 m η = 12.5	η = 0.1	x: 0.88 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 19.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 19.1



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _k	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	M _N M _y M _z V _z	
N604/N659	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.8	x: 1.8 m η = 16.9	x: 1.8 m η = 0.6	x: 1.8 m η = 17.5	η < 0.1	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.35 m η = 43.4	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 43.4
N659/N605	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.7	x: 0 m η = 16.9	x: 0 m η = 0.6	x: 0 m η = 17.5	η < 0.1	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 40.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.4
N602/N658	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 25.2	x: 1.8 m η = 16.9	x: 1.8 m η = 0.6	x: 1.8 m η = 17.5	η < 0.1	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.575 m η = 54.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.7
N658/N603	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.5	x: 0 m η = 16.9	x: 0 m η = 0.6	x: 0 m η = 17.5	η < 0.1	x: 1.58 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 50.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.4
N2/N445	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.7	x: 0.583 m η = 0.6	x: 0.583 m η = 20.5	x: 0.583 m η = 20.5	x: 0.583 m η = 5.2	η = 0.1	x: 0.583 m η = 20.2	x: 0.583 m η = 20.3	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.5
N445/N446	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.7	x: 0 m η = 0.6	x: 0 m η = 20.5	x: 0 m η = 20.5	x: 0 m η = 4.5	η = 0.1	x: 0 m η = 20.2	x: 0 m η = 20.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.5
N446/N72	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.7	x: 0 m η = 0.1	x: 0.583 m η = 23.8	x: 0.583 m η = 23.2	x: 0.583 m η = 4.7	η < 0.1	x: 0.583 m η = 23.6	x: 0.583 m η = 23.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.8
N72/N565	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.7	x: 0 m η < 0.1	x: 0.75 m η = 31.3	x: 0 m η = 23.2	x: 0.75 m η = 5.9	η < 0.1	x: 0.75 m η = 31.1	x: 0.75 m η = 30.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.3
N565/N71	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.7	N.P. ⁽⁴⁾	x: 0 m η = 31.3	N.P. ⁽⁵⁾	x: 0 m η = 5.9	η < 0.1	x: 0 m η = 31.1	x: 0 m η = 30.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.3
N71/N427	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.7	x: 0.583 m η = 0.1	x: 0 m η = 23.8	x: 0.583 m η = 16.5	x: 0 m η = 4.7	η < 0.1	x: 0 m η = 23.6	x: 0 m η = 23.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.8
N427/N425	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.7	x: 0.583 m η = 0.5	x: 0.583 m η = 20.4	x: 0.583 m η = 20.6	x: 0.583 m η = 4.5	η = 0.1	x: 0.583 m η = 20.3	x: 0.583 m η = 20.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N425/N14	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.7	x: 0 m η = 0.5	x: 0 m η = 20.4	x: 0 m η = 20.6	x: 0 m η = 5.2	η = 0.1	x: 0 m η = 20.3	x: 0 m η = 20.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N593/N601	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 1.1	x: 0.583 m η = 6.8	x: 0.583 m η = 19.3	x: 0.583 m η = 25.2	x: 0.583 m η = 4.4	η = 1.2	x: 0.583 m η = 24.7	x: 0.583 m η = 26.3	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.3
N601/N599	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 1.1	x: 0.583 m η = 9.5	x: 0 m η = 19.3	x: 0 m η = 25.2	x: 0 m η = 4.4	η = 0.6	x: 0 m η = 24.7	x: 0 m η = 26.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.3
N599/N597	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 1.1	x: 0 m η = 9.5	x: 0.585 m η = 80.7	x: 0.585 m η = 84.9	x: 0.585 m η = 6.9	η = 0.8	x: 0.585 m η = 80.3	x: 0.585 m η = 84.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 84.9
N597/N663	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 1.1	x: 0.75 m η = 13.3	x: 0 m η = 80.7	x: 0 m η = 84.9	x: 0 m η = 9.3	η = 2.2	x: 0 m η = 79.7	x: 0 m η = 84.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 84.9
N663/N595	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 1.1	x: 0 m η = 13.3	x: 0.75 m η = 80.2	x: 0.75 m η = 84.5	x: 0.75 m η = 9.3	η = 2.2	x: 0.75 m η = 79.9	x: 0.75 m η = 84.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 84.5
N595/N605	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 1.1	x: 0.583 m η = 10.8	x: 0 m η = 80.2	x: 0 m η = 84.5	x: 0 m η = 6.8	η = 0.7	x: 0 m η = 79.9	x: 0 m η = 84.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 84.5
N605/N603	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 1.1	x: 0 m η = 10.8	x: 0.583 m η = 18.0	x: 0.583 m η = 23.7	x: 0.583 m η = 4.3	η = 0.5	x: 0.583 m η = 21.9	x: 0.583 m η = 24.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.1
N603/N2	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 1.1	x: 0 m η = 8.0	x: 0 m η = 18.0	x: 0 m η = 23.7	x: 0 m η = 4.3	η = 1.4	x: 0 m η = 21.9	x: 0 m η = 24.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.1
N27/N403	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0.583 m η = 0.4	x: 0.583 m η = 20.4	x: 0.583 m η = 20.6	x: 0.583 m η = 5.2	η = 0.1	x: 0.583 m η = 20.4	x: 0.583 m η = 20.5	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N403/N401	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0 m η = 0.4	x: 0 m η = 20.4	x: 0 m η = 20.6	x: 0 m η = 4.5	η = 0.1	x: 0 m η = 20.4	x: 0 m η = 20.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.6
N401/N56	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0.583 m η = 0.3	x: 0.583 m η = 23.9	x: 0.583 m η = 23.6	x: 0.583 m η = 4.7	η = 0.1	x: 0.583 m η = 23.2	x: 0.583 m η = 24.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.0
N56/N553	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0.75 m η = 1.4	x: 0.75 m η = 30.7	x: 0.75 m η = 31.3	x: 0.75 m η = 5.8	η = 0.2	x: 0.75 m η = 30.3	x: 0.75 m η = 32.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.0
N553/N55	b / t ≤ (b / t) _{máx.} Cumple	η = 0.4	η = 0.8	x: 0.75 m η = 2.6	x: 0 m η = 30.7	x: 0 m η = 31.3	x: 0 m η = 5.8	η = 0.6	x: 0 m η = 30.3	x: 0 m η = 32.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.0
N55/N439	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 1.7	x: 0.583 m η = 3.0	x: 0 m η = 25.4	x: 0 m η = 28.0	x: 0 m η = 4.7	η = 0.9	x: 0 m η = 26.0	x: 0 m η = 28.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N439/N440	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 1.7	x: 0.583 m η = 8.7	x: 0.583 m η = 19.8	x: 0.583 m η = 26.0	x: 0.583 m η = 4.5	η = 2.1	x: 0.583 m η = 21.7	x: 0.583 m η = 27.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.6
N440/N40	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 1.7	x: 0 m η = 8.7	x: 0 m η = 19.8	x: 0 m η = 26.0	x: 0 m η = 5.2	η = 1.6	x: 0 m η = 21.7	x: 0 m η = 27.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.6
N568/N571	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 1.2	x: 0.583 m η = 6.8	x: 0.583 m η = 15.3	x: 0.583 m η = 20.4	x: 0.583 m η = 4.2	η = 1.2	x: 0.583 m η = 16.9	x: 0.583 m η = 21.5	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.5
N571/N573	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 1.2	x: 0.583 m η = 10.0	x: 0 m η = 15.3	x: 0.292 m η = 21.7	x: 0 m η = 4.2	η = 0.6	x: 0 m η = 16.9	x: 0 m η = 21.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.7
N573/N575	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 1.2	x: 0 m η = 10.0	x: 0.585 m η = 80.8	x: 0.585 m η = 85.1	x: 0.585 m η = 6.9	η = 0.6	x: 0.585 m η = 67.9	x: 0.585 m η = 85.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 85.5
N575/N618	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 1.2	x: 0.75 m η = 13.2	x: 0 m η = 80.8	x: 0 m η = 85.1	x: 0 m η = 9.3	η = 2.2	x: 0 m η = 80.5	x: 0 m η = 85.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 85.5
N618/N577	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 1.2	x: 0 m η = 13.2	x: 0.75 m η = 80.2	x: 0.75 m η = 84.4	x: 0.75 m η = 9.3	η = 2.2	x: 0.75 m η = 80.5	x: 0.75 m η = 84.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 84.8
N577/N579	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 1.2	x: 0.583 m η = 10.7	x: 0 m η = 80.2	x: 0 m η = 84.4	x: 0 m η = 6.8	η = 0.7	x: 0 m η = 80.5	x: 0 m η = 84.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 84.8
N579/N581	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 1.2	x: 0 m η = 10.7	x: 0.583 m η = 18.1	x: 0.583 m η = 23.9	x: 0.583 m η = 4.3	η = 0.5	x: 0.583 m η = 22.7	x: 0.583 m η = 24.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.3
N581/N10	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 1.2	x: 0 m η = 8.0	x: 0 m η = 18.1	x: 0 m η = 23.9	x: 0 m η = 4.3	η = 1.4	x: 0 m η = 22.7	x: 0 m η = 24.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.3
N24/N469	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0.583 m η = 0.5	x: 0.583 m η = 22.8	x: 0.583 m η = 23.1	x: 0.583 m η = 5.3	η = 0.1	x: 0.583 m η = 23.1	x: 0.583 m η = 22.9	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.1
N469/N470	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0 m η = 0.5	x: 0 m η = 22.8	x: 0 m η = 23.1	x: 0 m η = 5.2	η = 0.1	x: 0 m η = 23.1	x: 0 m η = 22.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 23.1
N470/N78	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0 m η = 0.1	x: 0.583 m η = 95.4	x: 0.292 m η = 21.4	x: 0.583 m η = 8.2	η < 0.1	x: 0.583 m η = 93.2	x: 0.583 m η = 95.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 95.5
N78/N548	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	N.P. ⁽⁴⁾	x: 0 m η = 95.4	N.P. ⁽⁵⁾	x: 0 m η = 11.1	η < 0.1	x: 0 m η = 93.2	x: 0 m η = 95.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 95.5
N548/N77	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0.75 m η < 0.1	x: 0.75 m η = 96.0	x: 0.75 m η = 94.0	x: 0.75 m η = 11.1	η < 0.1	x: 0.75 m η = 94.0	x: 0.75 m η = 96.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 96.2
N77/N471	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 1.7	x: 0.583 m η = 0.1	x: 0 m η = 96.0	x: 0 m η = 94.0	x: 0 m η = 8.3	η < 0.1	x: 0 m η = 94.0	x: 0 m η = 96.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 96.2
N471/N472	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 1.7	x: 0.583 m η = 0.7	x: 0.583 m η = 22.4	x: 0.583 m η = 22.9	x: 0.583 m η = 5.2	η = 0.2	x: 0.583 m η = 22.8	x: 0.583 m η = 22.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.9
N472/N29	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 1.7	x: 0 m η = 0.7	x: 0 m η = 22.4	x: 0 m η = 22.9	x: 0 m η = 5.3	η = 0.1	x: 0 m η = 22.8	x: 0 m η = 22.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.9
N669/N671	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.4	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 23.4
N668/N672	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 19.9	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 19.9
N667/N673	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.1	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 24.1
N670/N674	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 27.9	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 27.9



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _z	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	M _N M _y M _z V _z	
N666/N675	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.2	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 24.2
N665/N676	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 19.1	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 19.1
N664/N677	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 24.8	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 24.8
N723/N1343	b / t ≤ (b / t) _{máx.} Cumple	x: 1.7 m η = 0.8	x: 0.425 m η = 8.8	x: 1.7 m η = 1.0	x: 1.7 m η = 1.3	x: 1.7 m η = 2.3	x: 1.7 m η = 0.3	x: 1.7 m η = 0.3	x: 1.7 m η = 2.4	x: 0.638 m η = 19.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 19.2
N1343/N724	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.5	x: 0 m η = 1.0	x: 0 m η = 1.3	x: 0 m η = 2.3	x: 0 m η = 0.3	x: 0 m η = 0.3	N.P. ⁽³⁾	x: 0 m η = 3.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.9
N725/N803	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 2.1	x: 0.588 m η = 19.3	x: 0.588 m η = 8.4	x: 0.588 m η = 27.7	x: 0.588 m η = 2.1	η = 3.4	x: 0.588 m η = 26.8	x: 0.588 m η = 28.2	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.2
N803/N805	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 2.1	x: 0.588 m η = 34.4	x: 0.588 m η = 9.5	x: 0.588 m η = 43.9	x: 0 m η = 1.9	η = 2.7	x: 0.588 m η = 40.5	x: 0.588 m η = 45.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 45.9
N805/N807	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 2.1	x: 0.588 m η = 44.1	x: 0.588 m η = 13.3	x: 0.588 m η = 57.4	x: 0.588 m η = 2.1	η = 1.7	x: 0.588 m η = 52.5	x: 0.588 m η = 57.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.9
N807/N809	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.5	x: 0.588 m η = 47.0	x: 0 m η = 13.3	x: 0 m η = 57.4	x: 0 m η = 2.1	η = 0.5	x: 0.588 m η = 56.1	x: 0 m η = 57.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.9
N809/N811	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.5	x: 0 m η = 47.0	x: 0 m η = 9.6	x: 0 m η = 56.6	x: 0.588 m η = 1.9	η = 0.5	x: 0 m η = 56.1	x: 0.588 m η = 52.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.6
N811/N813	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.5	x: 0 m η = 44.0	x: 0 m η = 7.6	x: 0 m η = 51.7	x: 0 m η = 1.8	η = 1.6	x: 0 m η = 51.1	x: 0 m η = 52.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.2
N813/N815	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.5	x: 0 m η = 35.2	x: 0.588 m η = 7.6	x: 0 m η = 42.2	x: 0.588 m η = 1.8	η = 2.6	x: 0 m η = 42.2	x: 0 m η = 42.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.7
N815/N724	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.5	x: 0 m η = 20.5	x: 0 m η = 7.6	x: 0 m η = 27.6	x: 0 m η = 2.1	η = 3.7	x: 0 m η = 27.1	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N726/N1334	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0.213 m η = 9.2	x: 1.7 m η = 1.1	x: 1.7 m η = 1.2	x: 1.7 m η = 2.3	x: 1.7 m η = 0.3	x: 1.7 m η = 0.3	N.P. ⁽³⁾	x: 0.638 m η = 19.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 19.0
N1334/N727	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.4	x: 0 m η = 1.1	x: 0 m η = 1.2	x: 0 m η = 2.3	x: 0 m η = 0.2	x: 0 m η = 0.3	N.P. ⁽³⁾	x: 0 m η = 4.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 4.1
N729/N1336	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0.425 m η = 2.2	x: 1.275 m η = 2.5	x: 1.7 m η = 1.2	x: 1.7 m η = 3.4	x: 1.7 m η = 0.3	x: 0 m η = 0.4	N.P. ⁽³⁾	x: 0.85 m η = 4.9	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 4.9
N1336/N728	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 1.7	x: 0.179 m η = 2.3	x: 0 m η = 1.2	x: 0 m η = 3.4	x: 0 m η = 0.2	x: 1.43 m η = 0.4	N.P. ⁽³⁾	x: 0 m η = 4.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 4.8
N727/N789	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 0.9	x: 0.588 m η = 19.3	x: 0.588 m η = 10.5	x: 0.588 m η = 29.6	x: 0.588 m η = 2.8	η = 3.4	x: 0.588 m η = 10.3	x: 0.588 m η = 30.4	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 30.4
N789/N791	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 0.9	x: 0.588 m η = 34.4	x: 0 m η = 10.5	x: 0.588 m η = 43.7	x: 0 m η = 2.4	η = 2.7	x: 0 m η = 10.3	x: 0.588 m η = 43.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 43.9
N791/N793	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 0.9	x: 0.588 m η = 44.1	x: 0.588 m η = 11.2	x: 0.588 m η = 55.3	x: 0.588 m η = 2.4	η = 1.7	x: 0 m η = 9.8	x: 0.588 m η = 56.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.1
N793/N795	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.9	x: 0.588 m η = 47.0	x: 0 m η = 11.2	x: 0.588 m η = 56.4	x: 0 m η = 2.4	η = 0.5	x: 0.588 m η = 56.3	x: 0 m η = 56.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.4
N795/N797	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.9	x: 0 m η = 47.0	x: 0 m η = 9.9	x: 0 m η = 56.4	x: 0 m η = 2.4	η = 0.5	x: 0 m η = 56.3	x: 0 m η = 55.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.4
N797/N799	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.9	x: 0 m η = 44.0	x: 0.588 m η = 9.7	x: 0 m η = 53.4	x: 0.588 m η = 2.4	η = 1.6	x: 0 m η = 53.1	x: 0 m η = 54.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 54.2
N799/N801	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.9	x: 0 m η = 35.2	x: 0.588 m η = 10.2	x: 0 m η = 44.4	x: 0.588 m η = 2.4	η = 2.6	x: 0 m η = 44.2	x: 0 m η = 45.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 45.2
N801/N728	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.9	x: 0 m η = 20.5	x: 0 m η = 10.2	x: 0 m η = 30.1	x: 0 m η = 2.8	η = 3.7	x: 0 m η = 30.0	x: 0 m η = 30.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 30.9
N732/N1340	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 36.4	x: 1.488 m η = 18.7	x: 1.7 m η = 0.8	x: 1.7 m η = 19.5	η < 0.1	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.488 m η = 69.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 69.3
N1340/N736	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.0	x: 0 m η = 18.6	x: 0.8 m η = 2.0	x: 0 m η = 19.5	η = 0.1	x: 0.8 m η = 1.5	N.P. ⁽³⁾	x: 0 m η = 53.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 53.6
N736/N731	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.1	x: 0 m η = 12.1	x: 0 m η = 2.0	x: 0 m η = 14.1	η = 0.1	x: 0.63 m η = 2.3	N.P. ⁽³⁾	x: 0 m η = 25.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.5
N734/N1337	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 37.5	x: 1.488 m η = 18.7	x: 1.7 m η = 3.6	x: 1.7 m η = 22.3	η = 0.1	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.488 m η = 74.1	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 74.1
N1337/N735	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.6	x: 0 m η = 18.6	x: 0.8 m η = 4.1	x: 0 m η = 22.3	η = 0.4	x: 0.8 m η = 1.5	N.P. ⁽³⁾	x: 0 m η = 58.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.5
N735/N733	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.5	x: 0 m η = 12.1	x: 0 m η = 4.1	x: 0 m η = 16.2	η = 0.2	x: 0.63 m η = 2.3	N.P. ⁽³⁾	x: 0 m η = 28.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.0
N736/N819	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0.5 m η = 0.9	x: 0.5 m η = 7.0	x: 0.5 m η = 7.7	x: 0 m η = 0.6	η = 0.2	x: 0.5 m η = 7.5	x: 0.5 m η = 7.7	x: 0.25 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 7.7
N819/N735	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 0.1	x: 0 m η = 0.9	x: 0 m η = 7.0	x: 0 m η = 7.7	x: 0.5 m η = 0.6	η = 0.2	x: 0 m η = 7.5	x: 0 m η = 7.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 7.8
N739/N1364	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 38.5	x: 1.7 m η = 3.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.7 m η = 1.1	N.P. ⁽³⁾	x: 0.425 m η = 53.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 53.2
N1364/N738	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 14.8	x: 0 m η = 3.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.0	N.P. ⁽³⁾	x: 0 m η = 28.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.4
N748/N1357	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.5	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 0.85 m η = 29.6	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.6
N1357/N749	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.3	x: 0 m η = 1.6	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	x: 1.251 m η = 3.3	x: 0 m η = 16.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.7
N750/N1358	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.8	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 36.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 36.0
N1358/N751	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 3.1	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 18.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.3
N752/N1359	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 60.6	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 88.6	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 88.6
N1359/N753	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 44.5	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 77.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 77.9
N754/N1360	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.9	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 36.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 36.2
N1360/N755	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 3.1	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 18.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.4
N756/N1355	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.6	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.063 m η = 31.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.2
N1355/N757	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.3	x: 0 m η = 1.7	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	x: 1.251 m η = 3.3	x: 0 m η = 16.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.8
N758/N1330	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 25.2	x: 1.7 m η = 17.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.2	N.P. ⁽³⁾	x: 1.488 m η = 55.8	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 55.8
N1330/N759	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 9.4	x: 0 m η = 17.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.3	N.P. ⁽³⁾	x: 0 m η = 41.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 41.2
N760/N1354	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 55.3	x: 1.488 m η = 14.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 83.1	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 83.1



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _x	N _y	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	N _M M _y V _y	
N1354/N761	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 42.5	x: 0 m η = 14.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 75.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 75.1
N762/N1353	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.5	x: 1.275 m η = 7.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.4	N.P. ⁽³⁾	x: 1.063 m η = 31.4	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.4
N1353/N763	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.9	x: 0.358 m η = 6.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.3	N.P. ⁽³⁾	x: 0.179 m η = 9.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 9.8
N764/N1362	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.7	x: 1.488 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 0.85 m η = 26.9	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.9
N1362/N765	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η < 0.1	x: 0 m η = 1.7	x: 0 m η = 12.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 14.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.3
N766/N1363	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.7	x: 1.488 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 0.85 m η = 27.4	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.4
N1363/N767	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.1	x: 0 m η = 2.1	x: 0 m η = 12.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 14.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.4
N768/N1365	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.7	x: 1.488 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 0.85 m η = 27.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.3
N1365/N769	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.1	x: 0 m η = 2.1	x: 0 m η = 12.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 14.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.4
N770/N1366	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.7	x: 1.488 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 0.85 m η = 26.9	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.9
N1366/N771	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η < 0.1	x: 0 m η = 1.7	x: 0 m η = 12.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 14.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.3
N772/N1368	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.9	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 36.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 36.2
N1368/N773	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 3.1	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 18.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.4
N774/N1369	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 60.6	x: 1.488 m η = 15.0	x: 1.7 m η = 0.2	x: 1.7 m η = 15.1	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 88.6	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 88.6
N1369/N775	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 44.5	x: 0 m η = 14.9	x: 0 m η = 0.2	x: 0 m η = 15.1	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0.179 m η = 76.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 76.9
N776/N1370	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.8	x: 1.488 m η = 15.0	x: 1.7 m η = 0.2	x: 1.7 m η = 15.1	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 36.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 36.0
N1370/N777	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 3.1	x: 0 m η = 14.9	x: 0 m η = 0.2	x: 0 m η = 15.1	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 18.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.1
N778/N1371	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.4	x: 1.488 m η = 15.0	x: 1.7 m η = 0.2	x: 1.488 m η = 15.1	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 0.85 m η = 29.6	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.6
N1371/N779	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.3	x: 0 m η = 1.6	x: 0 m η = 14.9	x: 0 m η = 0.2	x: 0 m η = 15.1	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	x: 1.251 m η = 3.4	x: 0 m η = 16.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.6
N780/N1332	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.2	x: 1.275 m η = 9.3	x: 1.7 m η = 0.2	x: 1.488 m η = 9.3	N.P. ⁽⁶⁾	x: 0 m η = 1.5	N.P. ⁽³⁾	x: 0.425 m η = 20.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.3
N1332/N781	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.4	x: 0 m η = 1.4	x: 0.179 m η = 8.7	x: 0 m η = 0.2	x: 0.179 m η = 8.9	N.P. ⁽⁶⁾	x: 1.43 m η = 1.4	x: 1.073 m η = 4.1	x: 0 m η = 10.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 10.0
N782/N1373	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.3	x: 1.488 m η = 12.4	x: 1.7 m η = 0.2	x: 1.7 m η = 12.5	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.275 m η = 34.7	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.7
N1373/N783	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 3.1	x: 0 m η = 12.3	x: 0 m η = 0.2	x: 0 m η = 12.5	N.P. ⁽⁶⁾	x: 1.43 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 15.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.6
N784/N1339	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 56.0	x: 1.7 m η = 14.3	x: 1.7 m η = 0.1	x: 1.7 m η = 14.5	N.P. ⁽⁶⁾	x: 0 m η = 1.8	N.P. ⁽³⁾	x: 1.488 m η = 86.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 86.3
N1339/N785	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 41.3	x: 0 m η = 14.3	x: 0 m η = 0.1	x: 0 m η = 14.5	N.P. ⁽⁶⁾	x: 1.43 m η = 1.8	N.P. ⁽³⁾	x: 0.179 m η = 73.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 73.6
N786/N1372	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.7	x: 1.488 m η = 10.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.5	N.P. ⁽³⁾	x: 0.425 m η = 20.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.2
N1372/N787	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.1	x: 0 m η = 1.4	x: 0 m η = 10.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.5	N.P. ⁽³⁾	x: 0 m η = 12.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 12.3
N788/N1374	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.3	x: 1.275 m η = 8.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.5	N.P. ⁽³⁾	x: 0.85 m η = 34.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.2
N1374/N789	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.7	x: 0.358 m η = 7.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.4	N.P. ⁽³⁾	x: 0.179 m η = 27.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.3
N790/N1375	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.1	x: 1.488 m η = 12.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.275 m η = 38.4	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 38.4
N1375/N791	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.1	x: 0 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.8	N.P. ⁽³⁾	x: 0 m η = 33.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 33.6
N792/N1335	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 18.1	x: 1.7 m η = 18.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.2	N.P. ⁽³⁾	x: 1.488 m η = 47.8	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 47.8
N1335/N793	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 9.3	x: 0 m η = 18.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.3	N.P. ⁽³⁾	x: 0 m η = 41.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 41.8
N794/N1376	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 14.9	x: 1.488 m η = 14.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 40.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.0
N1376/N795	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.2	x: 0 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 36.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 36.2
N796/N1377	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 14.9	x: 1.488 m η = 14.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 40.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.0
N1377/N797	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.2	x: 0 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 36.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 36.2
N798/N1378	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 14.9	x: 1.488 m η = 14.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 39.9	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 39.9
N1378/N799	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.1	x: 0 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 36.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 36.1
N800/N1379	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 15.5	x: 1.488 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 40.5	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.5
N1379/N801	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.6	x: 0 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 36.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 36.7
N802/N1352	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 14.0	x: 1.275 m η = 8.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.5	N.P. ⁽³⁾	x: 0.85 m η = 32.7	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.7
N1352/N803	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.4	x: 0.358 m η = 7.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.4	N.P. ⁽³⁾	x: 0.179 m η = 25.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.6
N804/N1351	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 14.2	x: 1.488 m η = 12.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.275 m η = 37.5	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 37.5
N1351/N805	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.2	x: 0 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.8	N.P. ⁽³⁾	x: 0 m η = 32.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.5
N806/N1331	b / t ≤ (b / t) _{máx.} Cumple	x: 1.7 m η = 2.0	x: 0 m η = 33.4	x: 1.7 m η = 18.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.2	x: 1.7 m η = 20.6	x: 1.488 m η = 666			



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _i	N _e	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	N _M M _y V _y	
N1350/N809	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.2	x: 0 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 35.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 35.1
N810/N1349	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.5	x: 1.488 m η = 14.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 38.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 38.3
N1349/N811	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.0	x: 0 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 34.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.7
N812/N1348	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.4	x: 1.488 m η = 14.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 38.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 38.0
N1348/N813	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.9	x: 0 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 34.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.4
N814/N1347	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.8	x: 1.488 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 38.4	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 38.4
N1347/N815	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.3	x: 0 m η = 14.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 34.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.8
N816/N1383	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.7	x: 1.488 m η = 10.8	x: 1.7 m η = 1.8	x: 1.7 m η = 12.5	η < 0.1	x: 0 m η = 1.5	N.P. ⁽³⁾	x: 0.85 m η = 27.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.3
N1383/N817	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 1.9	x: 0 m η = 10.8	x: 0 m η = 1.8	x: 0 m η = 12.5	η < 0.1	x: 1.43 m η = 1.5	N.P. ⁽³⁾	x: 0 m η = 14.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.3
N819/N818	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 26.1	x: 0.315 m η = 0.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.63 m η = 0.2	N.P. ⁽³⁾	x: 0.315 m η = 39.8	x: 0.158 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 39.8
N821/N1384	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 10.3	x: 1.488 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.275 m η = 32.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.0
N1384/N820	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.8	x: 0 m η = 12.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 15.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.5
N822/N1345	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 69.6	x: 1.7 m η = 14.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.488 m η = 99.5	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 99.5
N1345/N823	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 50.6	x: 0 m η = 14.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.9	N.P. ⁽³⁾	x: 0 m η = 84.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 84.4
N824/N1385	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 10.1	x: 1.488 m η = 14.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 33.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 33.2
N1385/N825	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 1.9	x: 0 m η = 14.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 16.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.4
N826/N1386	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.7	x: 1.488 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 35.9	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 35.9
N1386/N827	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.8	x: 0 m η = 14.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 18.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.0
N828/N1344	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 62.9	x: 1.7 m η = 15.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.1	N.P. ⁽³⁾	x: 1.488 m η = 94.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 94.0
N1344/N829	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 44.4	x: 0 m η = 15.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.1	N.P. ⁽³⁾	x: 0 m η = 79.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 79.5
N830/N1387	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.6	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 37.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 37.3
N1387/N831	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 3.4	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 18.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.8
N832/N1388	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 56.8	x: 1.488 m η = 13.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.9	N.P. ⁽³⁾	x: 1.275 m η = 83.9	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 83.9
N1388/N833	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 41.7	x: 0 m η = 13.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.9	N.P. ⁽³⁾	x: 0 m η = 73.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 73.7
N834/N1389	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 9.0	x: 1.488 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.275 m η = 29.9	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.9
N1389/N835	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.2	x: 0 m η = 12.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 14.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.9
N836/N1390	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.1	x: 1.488 m η = 12.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 0.425 m η = 22.0	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.0
N1390/N837	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.2	x: 0 m η = 1.4	x: 0 m η = 12.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.7	x: 1.251 m η = 2.7	x: 0 m η = 13.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 13.9
N838/N1391	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.8	x: 1.7 m η = 3.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.7 m η = 1.1	N.P. ⁽³⁾	x: 0.425 m η = 22.7	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.7
N1391/N839	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 3.4	x: 0 m η = 3.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.0	N.P. ⁽³⁾	x: 0 m η = 6.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 6.8
N840/N1342	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.3	x: 1.488 m η = 18.7	x: 1.7 m η = 0.2	x: 1.488 m η = 18.9	N.P. ⁽⁶⁾	x: 0 m η = 2.5	N.P. ⁽³⁾	x: 1.275 m η = 40.2	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.2
N1342/N845	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.8	x: 0 m η = 18.6	x: 0.8 m η = 0.4	x: 0 m η = 18.9	η < 0.1	x: 0.8 m η = 1.5	N.P. ⁽³⁾	x: 0 m η = 21.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 21.8
N845/N841	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 1.5	x: 0 m η = 12.1	x: 0 m η = 0.4	x: 0 m η = 12.4	η < 0.1	x: 0.63 m η = 2.4	N.P. ⁽³⁾	x: 0 m η = 13.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 13.9
N842/N1341	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 60.8	x: 1.488 m η = 20.0	x: 1.7 m η = 0.3	x: 1.488 m η = 20.2	η < 0.1	x: 0 m η = 2.7	N.P. ⁽³⁾	x: 1.275 m η = 93.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 93.3
N1341/N844	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 28.7	x: 0 m η = 19.9	x: 0.8 m η = 0.3	x: 0 m η = 20.2	η < 0.1	x: 0.8 m η = 1.6	N.P. ⁽³⁾	x: 0 m η = 68.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 68.6
N844/N843	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 25.2	x: 0 m η = 12.9	x: 0 m η = 0.3	x: 0 m η = 13.2	η < 0.1	x: 0.63 m η = 2.5	N.P. ⁽³⁾	x: 0 m η = 57.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.4
N844/N846	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0.5 m η = 0.7	x: 0.5 m η = 4.1	x: 0.5 m η = 4.7	x: 0 m η = 0.4	η = 0.1	x: 0.5 m η = 4.7	x: 0.5 m η = 4.7	x: 0.25 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 4.7
N846/N845	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η < 0.1	x: 0 m η = 0.7	x: 0 m η = 4.1	x: 0 m η = 4.7	x: 0.5 m η = 0.4	η = 0.1	x: 0 m η = 4.7	x: 0 m η = 4.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 4.7
N846/N847	b / t ≤ (b / t) _{máx.} Cumple	x: 0.63 m η = 0.5	x: 0 m η = 0.2	x: 0.315 m η = 0.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 0.3	x: 0.473 m η = 0.7	N.P. ⁽⁷⁾	x: 0.158 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 0.7
N848/N1392	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 12.8	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 37.4	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 37.4
N1392/N849	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 6.4	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 26.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.8
N850/N1393	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 60.1	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 88.1	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 88.1
N1393/N851	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 44.1	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 77.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 77.5
N852/N1394	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.4	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 35.5	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 35.5
N1394/N853	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.9	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 18.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.2
N854/N1395	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.8	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.063 m η = 31.4	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.4
N1395/N855	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η < 0.1	x: 0 m η = 1.8	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 16.9	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _k	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	M _N M _y M _z V _y	
N1396/N857	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 39.0	x: 0 m η = 10.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.4	N.P. ⁽³⁾	x: 0 m η = 61.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 61.6
N858/N1382	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 9.0	x: 1.488 m η = 15.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.063 m η = 31.8	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.8
N1382/N859	b / t ≤ (b / t) _{máx.} Cumple	x: 1.43 m η = 0.1	x: 0 m η = 1.9	x: 0 m η = 14.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 17.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.0
N860/N1346	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 20.8	x: 1.7 m η = 17.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.2	N.P. ⁽³⁾	x: 1.488 m η = 50.3	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 50.3
N1346/N861	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.6	x: 0 m η = 17.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.3	N.P. ⁽³⁾	x: 0 m η = 38.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 38.6
N862/N1381	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 55.1	x: 1.488 m η = 14.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.275 m η = 83.1	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 83.1
N1381/N863	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 42.5	x: 0 m η = 14.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 75.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 75.1
N864/N1380	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 13.6	x: 1.275 m η = 7.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.4	N.P. ⁽³⁾	x: 1.063 m η = 31.7	x: 0.213 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 31.7
N1380/N865	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 2.9	x: 0.358 m η = 7.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.43 m η = 1.3	N.P. ⁽³⁾	x: 0.179 m η = 10.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 10.0
N738/N867	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.7	N.P. ⁽⁴⁾	x: 0.588 m η = 27.0	N.P. ⁽⁵⁾	x: 0.588 m η = 6.2	N.P. ⁽⁶⁾	x: 0.588 m η = 25.0	x: 0.588 m η = 28.6	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.6
N867/N869	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.7	N.P. ⁽⁴⁾	x: 0 m η = 27.0	N.P. ⁽⁵⁾	x: 0 m η = 5.4	N.P. ⁽⁶⁾	x: 0 m η = 25.0	x: 0 m η = 28.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 28.6
N869/N871	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.7	N.P. ⁽⁴⁾	x: 0.588 m η = 24.8	N.P. ⁽⁵⁾	x: 0.588 m η = 5.3	N.P. ⁽⁶⁾	x: 0.588 m η = 21.7	x: 0.588 m η = 26.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.5
N871/N873	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	η = 1.7	N.P. ⁽⁴⁾	x: 0 m η = 24.8	N.P. ⁽⁵⁾	x: 0 m η = 5.3	N.P. ⁽⁶⁾	x: 0 m η = 21.7	x: 0 m η = 26.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.5
N873/N875	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	η = 1.7	N.P. ⁽⁴⁾	x: 0 m η = 22.0	N.P. ⁽⁵⁾	x: 0 m η = 5.2	N.P. ⁽⁶⁾	x: 0 m η = 21.2	x: 0.588 m η = 22.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.4
N875/N877	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	η = 1.7	N.P. ⁽⁴⁾	x: 0 m η = 21.2	N.P. ⁽⁵⁾	x: 0 m η = 5.2	N.P. ⁽⁶⁾	x: 0 m η = 21.0	x: 0 m η = 22.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.4
N877/N879	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	η = 1.7	N.P. ⁽⁴⁾	x: 0.588 m η = 25.4	N.P. ⁽⁵⁾	x: 0.588 m η = 5.4	N.P. ⁽⁶⁾	x: 0.588 m η = 25.2	x: 0.588 m η = 26.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.0
N879/N839	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	η = 1.7	N.P. ⁽⁴⁾	x: 0 m η = 25.4	N.P. ⁽⁵⁾	x: 0 m η = 6.2	N.P. ⁽⁶⁾	x: 0 m η = 25.2	x: 0 m η = 26.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.0
N866/N1403	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.6	x: 1.7 m η = 0.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	η < 0.1	N.P. ⁽³⁾	x: 1.7 m η = 18.0	x: 0.85 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 18.0
N1403/N867	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.6	x: 0 m η = 0.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	η < 0.1	N.P. ⁽³⁾	x: 0 m η = 14.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.5
N868/N1402	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 10.2	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 10.2
N1402/N869	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.6	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 7.6
N870/N1397	b / t ≤ (b / t) _{máx.} Cumple	x: 1.7 m η = 0.7	x: 0 m η = 19.6	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 19.6
N1397/N871	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 10.7	N.P. ⁽⁴⁾	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 10.7
N872/N1401	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 10.1	N.P. ⁽⁴⁾	x: 1.7 m η = 0.1	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.7 m η = 16.3	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 16.3
N1401/N873	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.8	N.P. ⁽⁴⁾	x: 0 m η = 0.1	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 13.4	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 13.4
N874/N1400	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 10.1	N.P. ⁽⁴⁾	x: 1.7 m η = 0.1	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.7 m η = 16.1	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 16.1
N1400/N875	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.8	N.P. ⁽⁴⁾	x: 0 m η = 0.1	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 13.3	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 13.3
N876/N1399	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 9.9	N.P. ⁽⁴⁾	x: 1.7 m η = 0.2	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.7 m η = 15.9	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 15.9
N1399/N877	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 7.6	N.P. ⁽⁴⁾	x: 0 m η = 0.2	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 13.1	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 13.1
N878/N1398	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 11.2	N.P. ⁽⁴⁾	x: 1.7 m η = 0.2	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 1.7 m η = 17.6	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 17.6
N1398/N879	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.6	N.P. ⁽⁴⁾	x: 0 m η = 0.2	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	N.P. ⁽³⁾	x: 0 m η = 14.5	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 14.5
N740/N1273	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0.588 m η = 24.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 16.8	x: 0.588 m η = 23.9	x: 0.588 m η = 24.7	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.7
N1273/N1274	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0.588 m η = 42.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 12.6	x: 0.588 m η = 41.0	x: 0.588 m η = 42.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.2
N1274/N1275	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0.588 m η = 52.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.4	x: 0.588 m η = 51.3	x: 0.588 m η = 52.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.7
N1275/N1276	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0.588 m η = 56.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.2	x: 0.588 m η = 54.7	x: 0.588 m η = 56.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.2
N1276/N1277	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0 m η = 56.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 4.2	x: 0 m η = 54.7	x: 0 m η = 56.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.2
N1277/N1278	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0 m η = 52.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 8.4	x: 0 m η = 51.2	x: 0 m η = 52.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.7
N1278/N1279	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0 m η = 42.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 12.6	x: 0 m η = 40.9	x: 0 m η = 42.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.1
N1279/N843	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0 m η = 24.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.584 m η = 16.8	x: 0 m η = 23.7	x: 0 m η = 24.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.5
N741/N1281	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.6	x: 0.588 m η = 32.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 22.3	x: 0.588 m η = 31.6	x: 0.588 m η = 32.4	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.6
N1281/N1294	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.6	x: 0.588 m η = 55.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 16.7	x: 0.588 m η = 54.3	x: 0.588 m η = 55.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 55.8
N1294/N1293	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.6	x: 0.588 m η = 69.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 11.1	x: 0.588 m η = 67.9	x: 0.588 m η = 68.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 69.8
N1293/N1292	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.6	x: 0.588 m η = 74.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 5.6	x: 0.588 m η = 72.4	x: 0.588 m η = 73.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 74.4
N1292/N1291	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.6	x: 0 m η = 74.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 5.6	x: 0 m η = 72.4	x: 0 m η = 73.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 74.4
N1291/N1290	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.6	x: 0 m η = 69.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 11.2	x: 0 m η = 67.8	x: 0 m η = 68.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 69.7
N1290/N1289	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.6	x: 0 m η = 55.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 16.8	x: 0 m η = 54.1	x: 0 m η = 54.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 55.7
N1289/N857	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.6	x: 0 m η = 32.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.584 m η = 22.3	x: 0 m η = 31.4	x: 0 m η = 32.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.4
N753/N1282	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 27.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 18.6	x: 0.588 m η = 26.4	x: 0.588 m η = 27.2	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.2



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _t	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	NM _y V _z	N _M M _y V _z	
N1282/N1283	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 46.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 14.0	x: 0.588 m η = 45.3	x: 0.588 m η = 46.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.7
N1283/N1284	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 58.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 9.3	x: 0.588 m η = 56.7	x: 0.588 m η = 58.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.4
N1284/N1285	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 62.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.6	x: 0.588 m η = 60.5	x: 0.588 m η = 62.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.2
N1285/N1286	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 62.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 4.7	x: 0 m η = 60.5	x: 0 m η = 62.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.2
N1286/N1287	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 58.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 9.3	x: 0 m η = 56.7	x: 0 m η = 58.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.3
N1287/N1288	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 46.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 14.0	x: 0 m η = 45.2	x: 0 m η = 46.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.6
N1288/N851	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.584 m η = 18.6	x: 0 m η = 26.2	x: 0 m η = 27.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.1
N761/N1280	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 25.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.6	x: 0.588 m η = 25.0	x: 0.588 m η = 25.2	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.8
N1280/N1295	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 44.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.2	x: 0.588 m η = 42.9	x: 0.588 m η = 43.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.2
N1295/N1296	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 55.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.8	x: 0.588 m η = 53.6	x: 0.588 m η = 53.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 55.2
N1296/N1297	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 58.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.4	x: 0.588 m η = 57.2	x: 0.588 m η = 57.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.9
N1297/N1298	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 58.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 4.4	x: 0 m η = 57.2	x: 0 m η = 57.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.9
N1298/N1299	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 55.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 8.8	x: 0 m η = 53.6	x: 0 m η = 53.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 55.1
N1299/N1300	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 44.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 13.3	x: 0 m η = 42.8	x: 0 m η = 43.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.1
N1300/N863	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 25.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.584 m η = 17.6	x: 0 m η = 24.8	x: 0 m η = 25.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.6
N744/N1301	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0.588 m η = 24.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 16.8	x: 0.588 m η = 23.9	x: 0.588 m η = 24.7	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.7
N1301/N1302	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0.588 m η = 42.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 12.6	x: 0.588 m η = 41.0	x: 0.588 m η = 42.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.2
N1302/N1303	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0.588 m η = 52.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.4	x: 0.588 m η = 51.3	x: 0.588 m η = 52.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.7
N1303/N1304	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0.588 m η = 56.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.2	x: 0.588 m η = 54.7	x: 0.588 m η = 56.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.2
N1304/N1305	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0 m η = 56.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 4.2	x: 0 m η = 54.7	x: 0 m η = 56.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.2
N1305/N1306	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0 m η = 52.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 8.4	x: 0 m η = 51.2	x: 0 m η = 52.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 52.7
N1306/N1307	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0 m η = 42.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 12.6	x: 0 m η = 40.9	x: 0 m η = 42.1	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 42.1
N1307/N833	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.3	x: 0 m η = 24.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.584 m η = 16.8	x: 0 m η = 23.7	x: 0 m η = 24.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 24.5
N775/N1322	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 27.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 18.6	x: 0.588 m η = 26.4	x: 0.588 m η = 26.6	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.2
N1322/N1323	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 46.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 14.0	x: 0.588 m η = 45.3	x: 0.588 m η = 45.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.7
N1323/N1324	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 58.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 9.3	x: 0.588 m η = 56.7	x: 0.588 m η = 57.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.4
N1324/N1325	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0.588 m η = 62.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.6	x: 0.588 m η = 60.5	x: 0.588 m η = 60.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.2
N1325/N1326	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 62.2	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 4.7	x: 0 m η = 60.5	x: 0 m η = 60.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 62.2
N1326/N1327	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 58.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 9.3	x: 0 m η = 56.7	x: 0 m η = 56.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 58.3
N1327/N1328	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 46.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 14.0	x: 0 m η = 45.2	x: 0 m η = 45.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 46.6
N1328/N829	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.1	x: 0 m η = 27.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.584 m η = 18.6	x: 0 m η = 26.2	x: 0 m η = 26.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 27.1
N746/N1321	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.7	x: 0.588 m η = 29.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 20.5	x: 0.588 m η = 29.9	x: 0.588 m η = 29.9	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.9
N1321/N1320	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.7	x: 0.588 m η = 51.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 15.3	x: 0.588 m η = 51.2	x: 0.588 m η = 50.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 51.3
N1320/N1319	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.7	x: 0.588 m η = 64.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 10.2	x: 0.588 m η = 64.0	x: 0.588 m η = 63.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 64.1
N1319/N1318	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.7	x: 0.588 m η = 68.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 5.1	x: 0.588 m η = 68.3	x: 0.588 m η = 67.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 68.3
N1318/N1317	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.7	x: 0 m η = 68.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 5.1	x: 0 m η = 68.3	x: 0 m η = 67.4	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 68.3
N1317/N1316	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.7	x: 0 m η = 64.0	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 10.3	x: 0 m η = 64.0	x: 0 m η = 63.2	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 64.0
N1316/N1315	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.7	x: 0 m η = 51.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 15.4	x: 0 m η = 51.1	x: 0 m η = 50.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 51.1
N1315/N823	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 0.7	x: 0 m η = 29.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.584 m η = 20.5	x: 0 m η = 29.7	x: 0 m η = 29.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.7
N785/N1308	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.4	x: 0.588 m η = 26.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 17.8	x: 0.588 m η = 25.3	x: 0.588 m η = 26.3	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.3
N1308/N1309	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.4	x: 0.588 m η = 44.7	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 13.4	x: 0.588 m η = 43.4	x: 0.588 m η = 44.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.9
N1309/N1310	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.4	x: 0.588 m η = 55.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 8.9	x: 0.588 m η = 54.3	x: 0.588 m η = 56.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.0
N1310/N1311	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.4	x: 0.588 m η = 59.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 4.4	x: 0.588 m η = 57.9	x: 0.588 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N1311/N1312	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.4	x: 0 m η = 59.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 4.5	x: 0 m η = 57.9	x: 0 m η = 59.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 59.7
N1312/N1313	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.4	x: 0 m η = 55.8	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 8.9	x: 0 m η = 54.3	x: 0 m η = 56.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 56.0
N1313/N1314	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.4	x: 0 m η = 44.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 13.4	x: 0 m η = 43.3	x: 0 m η = 44.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 44.7
N1314/N818	b / t ≤ (b / t) _{máx.} Cumple	η = 0.5	η = 0.4	x: 0 m η = 25.9	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.584 m η = 17.8	x: 0 m η = 25.1	x: 0 m η = 26.1	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.1
N20/N175	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)												Estado
	b / t	N _t	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M V _y V _z	M _N M _y V _y V _z	
N16/N169	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N12/N168	b / t ≤ (b / t) _{máx.} Cumple	η = 2.4	η = 2.3	N.P. ⁽⁴⁾	x: 0.675 m η = 1.2	N.P. ⁽⁵⁾	x: 0 m η = 0.1	N.P. ⁽⁶⁾	x: 0.675 m η = 3.6	x: 0.675 m η = 2.7	x: 0.225 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 3.6
N89/N476	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0.583 m η = 0.1	x: 0.583 m η = 14.7	x: 0.583 m η = 14.7	x: 0.583 m η = 4.0	η < 0.1	x: 0.583 m η = 14.7	x: 0.583 m η = 15.2	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.2
N476/N475	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0.583 m η = 0.3	x: 0.583 m η = 14.9	x: 0.583 m η = 15.1	x: 0 m η = 3.4	η = 0.1	x: 0.583 m η = 15.0	x: 0.583 m η = 15.3	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.3
N475/N20	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	x: 0 m η = 0.3	x: 0 m η = 14.9	x: 0 m η = 15.1	x: 0 m η = 3.9	η = 0.1	x: 0 m η = 15.0	x: 0 m η = 15.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.3
N90/N544	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	N.P. ⁽⁴⁾	x: 0.563 m η = 97.9	N.P. ⁽⁵⁾	x: 0 m η = 7.4	N.P. ⁽⁶⁾	x: 0.563 m η = 95.9	x: 0.563 m η = 97.8	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 97.9
N544/N89	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 0.8	N.P. ⁽⁴⁾	x: 0.188 m η = 97.9	N.P. ⁽⁵⁾	x: 0.75 m η = 7.4	N.P. ⁽⁶⁾	x: 0.188 m η = 95.9	x: 0.188 m η = 97.8	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 97.9
N16/N478	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 1.3	x: 0.583 m η = 0.3	x: 0.583 m η = 14.9	x: 0.583 m η = 15.2	x: 0.583 m η = 3.9	η = 0.1	x: 0.583 m η = 13.5	x: 0.583 m η = 15.6	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.6
N478/N477	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 1.3	x: 0 m η = 0.3	x: 0 m η = 14.9	x: 0 m η = 15.2	x: 0.583 m η = 3.4	η = 0.1	x: 0.583 m η = 14.1	x: 0.583 m η = 15.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.7
N477/N90	b / t ≤ (b / t) _{máx.} Cumple	η = 0.2	η = 1.3	x: 0 m η = 0.1	x: 0 m η = 14.8	x: 0 m η = 14.8	x: 0 m η = 4.0	η < 0.1	x: 0 m η = 14.1	x: 0 m η = 15.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.7
N95/N480	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0.583 m η = 0.1	x: 0.583 m η = 14.6	x: 0.583 m η = 14.6	x: 0.583 m η = 4.0	η < 0.1	x: 0.583 m η = 14.6	x: 0.583 m η = 15.5	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.5
N480/N479	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0.583 m η = 0.3	x: 0.583 m η = 14.9	x: 0.583 m η = 15.2	x: 0 m η = 3.4	η = 0.1	x: 0.583 m η = 14.9	x: 0.583 m η = 15.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.6
N479/N16	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0 m η = 0.3	x: 0 m η = 14.9	x: 0 m η = 15.2	x: 0 m η = 3.9	η = 0.1	x: 0 m η = 14.9	x: 0 m η = 15.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.6
N96/N542	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	N.P. ⁽⁴⁾	x: 0.563 m η = 97.9	N.P. ⁽⁵⁾	x: 0 m η = 7.4	N.P. ⁽⁶⁾	x: 0.563 m η = 95.9	x: 0.563 m η = 97.6	x: 0.188 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 97.9
N542/N95	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	N.P. ⁽⁴⁾	x: 0.188 m η = 97.9	N.P. ⁽⁵⁾	x: 0.75 m η = 7.4	N.P. ⁽⁶⁾	x: 0.188 m η = 95.9	x: 0.188 m η = 97.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 97.9
N12/N482	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0.583 m η = 0.3	x: 0.583 m η = 15.0	x: 0.583 m η = 15.2	x: 0.583 m η = 3.9	η = 0.1	x: 0.583 m η = 14.9	x: 0.583 m η = 15.8	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.8
N482/N481	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0 m η = 0.3	x: 0 m η = 15.0	x: 0 m η = 15.2	x: 0.583 m η = 3.4	η = 0.1	x: 0 m η = 14.9	x: 0 m η = 15.8	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.8
N481/N96	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0 m η = 0.1	x: 0 m η = 14.6	x: 0 m η = 14.6	x: 0 m η = 4.0	η < 0.1	x: 0 m η = 14.6	x: 0 m η = 15.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.5
N101/N484	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0.583 m η = 0.1	x: 0.583 m η = 14.7	x: 0.583 m η = 14.7	x: 0.583 m η = 3.9	η < 0.1	x: 0.583 m η = 14.7	x: 0.583 m η = 15.6	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.6
N484/N483	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0.583 m η = 0.3	x: 0.583 m η = 15.0	x: 0.583 m η = 15.2	x: 0 m η = 3.3	η = 0.1	x: 0.583 m η = 14.8	x: 0.583 m η = 15.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.7
N483/N12	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0 m η = 0.3	x: 0 m η = 15.0	x: 0 m η = 15.2	x: 0 m η = 3.9	η = 0.1	x: 0 m η = 14.8	x: 0 m η = 15.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 15.7
N485/N102	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	N.P. ⁽⁴⁾	x: 0.583 m η = 93.3	N.P. ⁽⁵⁾	x: 0.583 m η = 7.2	N.P. ⁽⁶⁾	x: 0.583 m η = 91.7	x: 0.583 m η = 93.5	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 93.5
N102/N550	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	N.P. ⁽⁴⁾	x: 0 m η = 93.3	N.P. ⁽⁵⁾	x: 0 m η = 9.7	N.P. ⁽⁶⁾	x: 0 m η = 91.7	x: 0 m η = 93.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 93.5
N550/N101	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	N.P. ⁽⁴⁾	x: 0.188 m η = 81.8	N.P. ⁽⁵⁾	x: 0.75 m η = 6.7	N.P. ⁽⁶⁾	x: 0.188 m η = 80.1	x: 0.188 m η = 81.6	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 81.8
N10/N486	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0.583 m η = 0.7	x: 0.583 m η = 21.7	x: 0.583 m η = 21.9	x: 0.583 m η = 5.2	η = 0.1	x: 0.583 m η = 20.9	x: 0.583 m η = 22.2	x: 0.292 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.2
N486/N485	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 1.3	x: 0 m η = 0.7	x: 0 m η = 21.7	x: 0 m η = 21.9	x: 0 m η = 5.2	η = 0.1	x: 0 m η = 20.9	x: 0 m η = 22.2	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 22.2
N725/N763	b / t ≤ (b / t) _{máx.} Cumple	η = 0.7	η = 1.1	x: 0.433 m η = 6.6	x: 0.433 m η = 14.1	x: 0.433 m η = 20.4	x: 0.433 m η = 0.8	η = 1.6	x: 0.433 m η = 19.8	x: 0.433 m η = 14.4	x: 0.217 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 20.4
N763/N761	b / t ≤ (b / t) _{máx.} Cumple	η = 0.7	η = 1.1	x: 0.6 m η = 13.3	x: 0.6 m η = 22.2	x: 0.6 m η = 34.1	x: 0 m η = 1.5	η = 1.2	x: 0.6 m η = 34.7	x: 0.6 m η = 23.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.7
N761/N759	b / t ≤ (b / t) _{máx.} Cumple	η = 0.7	η = 1.1	x: 0.6 m η = 14.4	x: 0 m η = 22.2	x: 0 m η = 34.1	x: 0.6 m η = 1.5	η = 1.4	x: 0 m η = 34.7	x: 0 m η = 23.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.7
N759/N757	b / t ≤ (b / t) _{máx.} Cumple	η = 1.2	N.P. ⁽⁹⁾	x: 0 m η = 14.4	x: 0 m η = 13.5	x: 0 m η = 26.1	x: 0 m η = 0.6	η = 0.8	x: 0 m η = 24.9	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 26.1
N757/N741	b / t ≤ (b / t) _{máx.} Cumple	η = 1.2	N.P. ⁽⁹⁾	x: 0 m η = 10.3	x: 0 m η = 1.6	x: 0 m η = 10.8	x: 0 m η = 0.1	η = 1.8	x: 0 m η = 11.6	N.P. ⁽⁷⁾	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.6
N740/N765	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0.5 m η = 13.7	x: 0.5 m η = 3.1	x: 0.5 m η = 16.8	x: 0.5 m η = 0.2	η = 2.9	x: 0.5 m η = 16.6	N.P. ⁽⁷⁾	x: 0.25 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.8
N765/N767	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0.5 m η = 27.5	x: 0.5 m η = 5.6	x: 0.5 m η = 32.8	x: 0.5 m η = 0.2	η = 2.9	x: 0.5 m η = 32.6	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.8
N767/N738	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0.5 m η = 41.2	x: 0.5 m η = 10.2	x: 0.5 m η = 51.1	x: 0 m η = 0.8	η = 2.9	x: 0.5 m η = 51.3	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 51.3
N738/N769	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0 m η = 41.2	x: 0 m η = 10.2	x: 0 m η = 51.1	x: 0.5 m η = 0.8	η = 2.9	x: 0 m η = 51.3	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 51.3
N769/N771	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0 m η = 27.5	x: 0 m η = 5.6	x: 0 m η = 32.8	x: 0 m η = 0.2	η = 2.9	x: 0 m η = 32.6	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 32.8
N771/N744	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0 m η = 13.7	x: 0 m η = 3.1	x: 0 m η = 16.8	x: 0 m η = 0.2	η = 2.9	x: 0 m η = 16.6	N.P. ⁽⁷⁾	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.8
N741/N749	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0.6 m η = 10.9	x: 0.6 m η = 1.6	x: 0.6 m η = 11.2	x: 0 m η = 0.1	η = 1.9	x: 0.6 m η = 12.1	N.P. ⁽⁷⁾	x: 0.3 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 12.1
N749/N751	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0.6 m η = 15.8	x: 0.6 m η = 14.8	x: 0.6 m η = 29.6	x: 0.6 m η = 0.7	η = 0.9	x: 0.6 m η = 28.7	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.6
N751/N753	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0.6 m η = 16.0	x: 0.6 m η = 25.1	x: 0.6 m η = 39.8	x: 0 m η = 1.6	η = 1.3	x: 0.6 m η = 40.7	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.7
N753/N755	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0 m η = 16.0	x: 0 m η = 25.1	x: 0 m η = 39.8	x: 0.6 m η = 1.7	η = 1.1	x: 0 m η = 40.7	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.7
N755/N740	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	N.P. ⁽⁹⁾	x: 0 m η = 10.3	x: 0 m η = 16.0	x: 0 m η = 25.8	x: 0 m η = 0.7	η = 1.8	x: 0 m η = 24.9	N.P. ⁽⁷⁾	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.8
N744/N773	b / t ≤ (b / t) _{máx.} Cumple	η = 1.0	N.P. ⁽⁹⁾	x: 0.6 m η = 10.3	x: 0.6 m η = 16.0	x: 0.6 m η = 25.7	x: 0.6 m η = 0.7	η = 1.8	x: 0.6 m η = 24.8	N.P. ⁽⁷⁾	x: 0.3 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 25.7
N773/N775	b / t ≤ (b / t) _{máx.} Cumple	η = 1.0	N.P. ⁽⁹⁾	x: 0.6 m η = 16.0	x: 0.6 m η = 25.1	x: 0.6 m η = 39.7	x: 0 m η = 1.7	η = 1.0	x: 0.6 m η = 40.7	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.7
N775/N777	b / t ≤ (b / t) _{máx.} Cumple	η = 1.0	N.P. ⁽⁹⁾	x: 0 m η = 16.0	x: 0 m η = 25.1	x: 0 m η = 39.7	x: 0.6 m η = 1.6	η = 1.3	x: 0 m η = 40.7	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 40.7
N777/N779	b / t ≤ (b / t) _{máx.} Cumple	η = 1.0	N.P. ⁽⁹⁾	x: 0 m η = 15.7	x: 0 m η = 14.8	x: 0 m η = 29.6	x: 0 m η = 0.7	η = 0.9	x: 0 m η = 28.7	N.P. ⁽⁷⁾	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 29.6
N779/N746	b / t ≤ (b / t) _{máx.}												



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)											Estado
	b / t	N _t	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	
N781/N783	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	η = 1.1	x: 0.5 m η = 13.8	x: 0.5 m η = 15.6	x: 0.5 m η = 27.7	x: 0.5 m η = 0.8	η = 1.5	x: 0.5 m η = 26.7	x: 0.5 m η = 18.9	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 27.7
N783/N785	b / t ≤ (b / t) _{máx.} Cumple	η = 0.9	η = 1.1	x: 0.5 m η = 20.9	x: 0.5 m η = 26.3	x: 0.5 m η = 42.3	x: 0 m η = 2.0	η = 1.7	x: 0.5 m η = 42.4	x: 0.5 m η = 32.9	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 42.4
N785/N730	b / t ≤ (b / t) _{máx.} Cumple	η = 0.7	η = 1.1	x: 0 m η = 20.9	x: 0 m η = 26.3	x: 0 m η = 42.3	x: 0.5 m η = 1.3	η = 4.4	x: 0 m η = 39.1	x: 0 m η = 42.2	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 42.3
N730/N787	b / t ≤ (b / t) _{máx.} Cumple	η = 1.0	η = 1.0	x: 0.5 m η = 1.6	x: 0.5 m η = 1.6	x: 0.5 m η = 2.1	x: 0 m η = 0.1	η = 0.3	x: 0.5 m η = 3.1	x: 0.5 m η = 2.7	x: 0.25 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 3.1
N787/N727	b / t ≤ (b / t) _{máx.} Cumple	η = 1.0	η = 1.0	x: 0 m η = 1.6	x: 0 m η = 1.6	x: 0 m η = 2.1	x: 0.367 m η = 0.1	η = 0.4	x: 0 m η = 3.1	x: 0 m η = 2.7	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 3.1
N1329/N1353	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 2.9	x: 0.433 m η = 6.5	x: 0.433 m η = 10.3	x: 0.433 m η = 15.8	η = 0.9	x: 0.433 m η = 1.5	x: 0.433 m η = 14.9	x: 0.433 m η = 17.5	x: 0.217 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 17.5
N1353/N1354	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 2.9	x: 0.6 m η = 10.4	x: 0 m η = 10.3	x: 0.6 m η = 17.1	η = 0.2	x: 0 m η = 2.8	x: 0.6 m η = 15.6	x: 0 m η = 17.5	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 17.5
N1354/N1330	b / t ≤ (b / t) _{máx.} Cumple	η = 0.1	η = 2.9	x: 0 m η = 10.4	x: 0 m η = 7.4	x: 0 m η = 17.1	η = 0.5	x: 0.6 m η = 1.7	x: 0 m η = 15.6	x: 0 m η = 17.4	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 17.4
N1329/N1352	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	η = 6.2	x: 0.588 m η = 1.5	x: 0.588 m η = 14.0	x: 0.588 m η = 15.3	η = 0.9	x: 0 m η = 0.3	N.P. ⁽²⁾	x: 0.588 m η = 20.6	x: 0.294 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 20.6
N1352/N1351	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	η = 6.2	x: 0.588 m η = 1.7	x: 0 m η = 14.0	x: 0 m η = 15.3	η = 0.3	x: 0.588 m η = 0.5	N.P. ⁽²⁾	x: 0 m η = 20.6	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 20.6
N1351/N1331	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	η = 6.2	x: 0 m η = 1.7	x: 0 m η = 9.5	x: 0 m η = 11.2	η = 0.6	x: 0.588 m η = 0.3	N.P. ⁽²⁾	x: 0 m η = 17.4	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 17.4
N1334/N1374	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 1.7	x: 0.588 m η = 1.2	x: 0.588 m η = 14.1	x: 0.588 m η = 15.2	η = 0.9	x: 0 m η = 0.2	x: 0.588 m η = 14.7	x: 0.588 m η = 16.5	x: 0.294 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 16.5
N1374/N1375	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 1.7	x: 0 m η = 1.2	x: 0 m η = 14.1	x: 0 m η = 15.2	η = 0.3	x: 0.588 m η = 0.3	x: 0 m η = 14.7	x: 0 m η = 16.5	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 16.5
N1375/N1335	b / t ≤ (b / t) _{máx.} Cumple	η < 0.1	η = 1.7	x: 0 m η = 0.5	x: 0 m η = 9.5	x: 0 m η = 9.9	η = 0.6	x: 0 m η = 0.1	x: 0 m η = 9.6	x: 0 m η = 11.6	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 11.6
N823/N820	b / t ≤ (b / t) _{máx.} Cumple	η = 1.2	η = 1.2	x: 0.5 m η = 13.3	x: 0.5 m η = 21.2	x: 0.5 m η = 32.1	x: 0.5 m η = 1.1	η = 2.8	x: 0.5 m η = 31.8	x: 0.5 m η = 23.5	x: 0.25 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 32.1
N820/N731	b / t ≤ (b / t) _{máx.} Cumple	η = 1.2	η = 1.2	x: 0.5 m η = 26.5	x: 0 m η = 21.2	x: 0 m η = 32.1	x: 0 m η = 1.2	η = 2.8	x: 0 m η = 31.8	x: 0 m η = 23.5	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 32.1
N731/N818	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	η = 5.4	x: 0.5 m η = 39.8	x: 0.5 m η = 11.5	x: 0.5 m η = 49.8	x: 0 m η = 0.5	η = 2.8	N.P. ⁽²⁾	x: 0.5 m η = 47.8	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 49.8
N818/N733	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	η = 5.4	x: 0 m η = 39.8	x: 0 m η = 11.5	x: 0 m η = 49.8	x: 0.5 m η = 0.6	η = 3.1	N.P. ⁽²⁾	x: 0 m η = 47.8	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 49.8
N733/N817	b / t ≤ (b / t) _{máx.} Cumple	η = 1.2	η = 1.2	x: 0 m η = 25.3	x: 0.5 m η = 7.9	x: 0 m η = 25.6	x: 0.5 m η = 0.4	η = 3.1	x: 0 m η = 25.6	x: 0.5 m η = 10.8	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 25.6
N817/N728	b / t ≤ (b / t) _{máx.} Cumple	η = 1.2	η = 1.2	x: 0 m η = 10.7	x: 0 m η = 7.9	x: 0 m η = 17.6	x: 0 m η = 0.5	η = 3.1	x: 0 m η = 15.5	x: 0 m η = 10.8	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 17.6
N833/N831	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0.6 m η = 10.3	x: 0.6 m η = 22.5	x: 0.6 m η = 31.3	x: 0.6 m η = 0.9	η = 1.8	x: 0.6 m η = 30.3	x: 0.6 m η = 23.2	x: 0.3 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 31.3
N831/N829	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0.6 m η = 16.0	x: 0.6 m η = 25.0	x: 0.6 m η = 38.9	x: 0 m η = 1.9	η = 1.0	x: 0.6 m η = 40.0	x: 0.6 m η = 29.3	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 40.0
N829/N827	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.7	x: 0 m η = 16.0	x: 0 m η = 25.0	x: 0 m η = 38.9	x: 0.6 m η = 1.5	η = 1.3	x: 0 m η = 40.1	x: 0 m η = 28.8	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 40.1
N827/N825	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.7	x: 0 m η = 15.5	x: 0 m η = 12.8	x: 0 m η = 27.0	x: 0 m η = 0.3	η = 0.9	x: 0 m η = 25.9	x: 0 m η = 16.5	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 27.0
N825/N823	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.7	x: 0 m η = 10.7	x: 0 m η = 8.0	x: 0 m η = 18.1	x: 0 m η = 0.4	η = 1.9	x: 0 m η = 16.9	x: 0 m η = 11.6	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 18.1
N843/N847	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0.5 m η = 13.6	x: 0.5 m η = 5.5	x: 0.5 m η = 19.1	x: 0 m η = 0.3	η = 2.9	x: 0.5 m η = 15.9	x: 0.5 m η = 19.0	x: 0.25 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 19.1
N847/N841	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0.5 m η = 27.2	x: 0.5 m η = 10.1	x: 0.5 m η = 36.5	x: 0.5 m η = 0.7	η = 2.9	x: 0.5 m η = 32.5	x: 0.5 m η = 36.5	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 36.5
N841/N839	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0.5 m η = 40.8	x: 0 m η = 10.1	x: 0.5 m η = 44.1	x: 0 m η = 0.7	η = 2.9	x: 0.5 m η = 40.2	x: 0.5 m η = 44.1	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 44.1
N839/N837	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0 m η = 40.8	x: 0 m η = 3.8	x: 0 m η = 44.1	x: 0.5 m η = 0.2	η = 2.9	x: 0 m η = 40.2	x: 0 m η = 44.1	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 44.1
N837/N835	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0 m η = 27.2	x: 0.5 m η = 12.1	x: 0.25 m η = 25.5	x: 0.5 m η = 0.6	η = 2.9	x: 0 m η = 24.8	x: 0 m η = 27.2	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 27.2
N835/N833	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0 m η = 13.6	x: 0 m η = 12.1	x: 0 m η = 24.2	x: 0 m η = 0.6	η = 2.9	x: 0 m η = 21.9	x: 0 m η = 24.2	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 24.2
N857/N855	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0.6 m η = 10.9	x: 0.6 m η = 5.6	x: 0.6 m η = 16.2	x: 0.6 m η = 0.3	η = 1.9	x: 0.6 m η = 15.1	x: 0.6 m η = 10.1	x: 0.3 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 16.2
N855/N853	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0.6 m η = 15.7	x: 0.6 m η = 13.8	x: 0.6 m η = 28.7	x: 0.6 m η = 0.4	η = 0.9	x: 0.6 m η = 27.6	x: 0.6 m η = 16.3	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 28.7
N853/N851	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0.6 m η = 15.9	x: 0.6 m η = 26.5	x: 0.6 m η = 41.0	x: 0 m η = 1.6	η = 1.3	x: 0.6 m η = 42.0	x: 0.6 m η = 29.4	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 42.0
N851/N849	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0 m η = 15.9	x: 0 m η = 26.5	x: 0 m η = 41.0	x: 0.6 m η = 2.1	η = 1.0	x: 0 m η = 42.0	x: 0 m η = 29.4	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 42.0
N849/N843	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0 m η = 10.2	x: 0 m η = 23.9	x: 0 m η = 32.9	x: 0 m η = 1.0	η = 1.8	x: 0 m η = 31.8	x: 0 m η = 23.9	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 32.9
N724/N865	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 1.1	x: 0.433 m η = 6.6	x: 0.433 m η = 13.9	x: 0.433 m η = 19.6	x: 0.433 m η = 0.8	η = 1.6	x: 0.433 m η = 18.5	x: 0.433 m η = 14.2	x: 0.217 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 19.6
N865/N863	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 1.1	x: 0.6 m η = 13.2	x: 0.6 m η = 22.5	x: 0.6 m η = 34.4	x: 0 m η = 1.5	η = 1.2	x: 0.6 m η = 35.4	x: 0.6 m η = 26.5	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 35.4
N863/N861	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 1.1	x: 0.6 m η = 14.4	x: 0 m η = 22.5	x: 0 m η = 34.4	x: 0.6 m η = 1.5	η = 1.4	x: 0 m η = 35.4	x: 0 m η = 26.5	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 35.4
N861/N859	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0 m η = 14.4	x: 0 m η = 13.2	x: 0 m η = 25.9	x: 0 m η = 0.4	η = 0.8	x: 0 m η = 24.9	x: 0 m η = 17.0	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 25.9
N859/N857	b / t ≤ (b / t) _{máx.} Cumple	η = 1.1	η = 0.2	x: 0 m η = 10.3	x: 0 m η = 6.7	x: 0 m η = 15.9	x: 0 m η = 0.3	η = 1.8	x: 0 m η = 14.8	x: 0 m η = 11.7	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 15.9
N570/N615	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 23.6	x: 1.35 m η = 11.3	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 1.7	N.P. ⁽³⁾	x: 1.125 m η = 46.9	x: 0.225 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 46.9
N615/N571	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 16.2	x: 0.198 m η = 10.6	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 1.7	N.P. ⁽³⁾	x: 0 m η = 41.2	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 41.2
N572/N616	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 17.1	x: 1.575 m η = 15.4	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0 m η = 2.0	N.P. ⁽³⁾	x: 1.35 m η = 43.2	x: 0.225 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 43.2
N616/N573	b / t ≤ (b / t) _{máx.} Cumple	N.P. ⁽²⁾	x: 0 m η = 8.8	x: 0 m η = 15.1	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 1.58 m η = 2.0	N.P. ⁽³⁾	x: 0 m η = 37.7	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 37.7
N1338/N1332	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.8	x: 0.5 m η = 2.1	x: 0.5 m η = 6.4	x: 0.5 m η = 8.0	η = 0.5	x: 0.5 m η = 0.4	x: 0.5 m η = 7.7	x: 0.5 m η = 10.7	x: 0.25 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 10.7
N1332/N1373	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.8	x: 0.5 m η = 5.1	x: 0 m η = 6.4	x: 0.5 m η = 8.3	η = 0.2	x: 0.5 m η = 0.8	x: 0.5 m η = 8.6	x: 0 m η = 10.7	η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 10.7
N1373/N1339	b / t ≤ (b / t) _{máx.} Cumple	η = 0.3	η = 2.8	x: 0 m η = 5.1	x: 0 m η = 3.9	x: 0 m η = 8.3	η = 0.3	x: 0 m η = 1.0	x: 0 m η = 8.6	x: 0 m η = 9.7	x: 0 m η < 0.1	N.P. ⁽¹⁾ CUMPLE η = 9.7



COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-3: 2006)													Estado
Barras	b / t	N _t	N _c	M _y	M _z	M _y M _z	V _y	V _z	N _M M _z	N _M M _y	N _M M _y V _z	M _{NM} M _y V _z	
N1343/N1380	b / t ≤ (b / t) _{lim} Cumple	η = 0.1	η = 1.9	x: 0.433 m η = 6.5	x: 0.433 m η = 10.1	x: 0.433 m η = 16.1	η = 0.9	x: 0.433 m η = 1.5	x: 0.433 m η = 16.2	x: 0.433 m η = 16.6	x: 0.217 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 16.6
N1380/N1381	b / t ≤ (b / t) _{lim} Cumple	η = 0.1	η = 1.9	x: 0.6 m η = 10.7	x: 0 m η = 10.1	x: 0.6 m η = 17.3	η = 0.2	x: 0 m η = 2.8	x: 0.6 m η = 17.4	x: 0.6 m η = 17.5	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.5
N1381/N1346	b / t ≤ (b / t) _{lim} Cumple	η = 0.1	η = 1.9	x: 0 m η = 10.7	x: 0 m η = 7.2	x: 0 m η = 17.3	η = 0.4	x: 0.6 m η = 1.8	x: 0 m η = 17.4	x: 0 m η = 17.5	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 17.5
N1344/N1386	b / t ≤ (b / t) _{lim} Cumple	η < 0.1	η < 0.1	x: 0.6 m η = 4.0	x: 0.6 m η = 2.4	x: 0.6 m η = 5.7	η = 0.1	x: 0.6 m η = 0.7	x: 0.6 m η = 5.7	x: 0.6 m η = 4.9	x: 0.3 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 5.7
N1386/N1385	b / t ≤ (b / t) _{lim} Cumple	η < 0.1	η < 0.1	x: 0.6 m η = 5.6	x: 0.6 m η = 2.4	x: 0.6 m η = 7.5	η < 0.1	x: 0.6 m η = 0.5	x: 0.6 m η = 7.5	x: 0.6 m η = 6.7	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 7.5
N1385/N1345	b / t ≤ (b / t) _{lim} Cumple	η < 0.1	η < 0.1	x: 0 m η = 5.6	x: 0 m η = 2.4	x: 0 m η = 7.5	η = 0.2	x: 0 m η = 0.9	x: 0 m η = 7.5	x: 0 m η = 6.7	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 7.5
N1364/N1403	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	η = 5.8	x: 0.588 m η = 2.1	x: 0.588 m η = 0.1	x: 0.588 m η = 2.2	η < 0.1	x: 0.588 m η = 0.4	N.P. ⁽⁵⁾	x: 0.588 m η = 8.0	x: 0.294 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 8.0
N1403/N1402	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	η = 5.8	x: 0 m η = 2.1	x: 0 m η = 0.1	x: 0 m η = 2.2	N.P. ⁽⁶⁾	x: 0 m η = 0.6	N.P. ⁽⁷⁾	x: 0 m η = 8.0	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 8.0
N1402/N1397	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	η = 5.8	x: 0 m η = 1.5	N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁶⁾	x: 0.588 m η = 0.3	N.P. ⁽⁷⁾	x: 0 m η = 7.3	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 7.3
N679/N568	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	N.P. ⁽⁹⁾	N.P. ⁽⁴⁾	x: 0.6 m η = 1.0	N.P. ⁽⁵⁾	x: 0.6 m η = 0.1	N.P. ⁽⁶⁾	N.P. ⁽⁷⁾	N.P. ⁽⁷⁾	N.P. ⁽⁸⁾	N.P. ⁽¹⁾	CUMPLE η = 1.0
N568/N588	b / t ≤ (b / t) _{lim} Cumple	η = 0.5	η = 0.6	x: 0.675 m η = 3.2	x: 0.675 m η = 4.4	x: 0.675 m η = 7.5	x: 0.675 m η = 0.2	η = 0.4	x: 0.675 m η = 7.1	x: 0.675 m η = 6.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 7.5
N588/N592	b / t ≤ (b / t) _{lim} Cumple	η = 0.6	η = 0.6	x: 0.675 m η = 4.8	x: 0.675 m η = 7.2	x: 0.675 m η = 11.4	x: 0 m η = 0.4	η = 0.9	x: 0.675 m η = 11.1	x: 0.675 m η = 8.6	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.4
N592/N590	b / t ≤ (b / t) _{lim} Cumple	η = 0.8	η = 0.9	x: 0 m η = 4.8	x: 0 m η = 7.2	x: 0 m η = 11.4	x: 0.399 m η = 0.5	η = 1.0	x: 0 m η = 11.4	x: 0 m η = 8.4	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 11.4
N586/N1406	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	η = 21.8	x: 0.675 m η = 2.4	x: 0.675 m η = 17.1	x: 0.675 m η = 19.4	η = 0.9	x: 0.675 m η = 0.4	N.P. ⁽⁵⁾	x: 0.675 m η = 57.9	x: 0.169 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.9
N1406/N1405	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	η = 21.8	x: 0.675 m η = 4.1	x: 0 m η = 17.1	x: 0 m η = 19.4	η = 0.3	x: 0 m η = 1.0	N.P. ⁽⁵⁾	x: 0 m η = 57.9	η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 57.9
N1405/N1404	b / t ≤ (b / t) _{lim} Cumple	N.P. ⁽²⁾	η = 19.0	x: 0 m η = 4.1	x: 0 m η = 11.6	x: 0 m η = 15.8	η = 1.1	x: 0.399 m η = 1.0	N.P. ⁽⁷⁾	x: 0 m η = 34.0	x: 0 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 34.0
N819/N733	b / t ≤ (b / t) _{lim} Cumple	x: 0.804 m η = 13.9	N.P. ⁽⁹⁾	x: 0.402 m η = 0.3	x: 0.402 m η = 2.4	x: 0.402 m η = 2.7	x: 0 m η = 0.5	x: 0 m η = 0.2	x: 0.402 m η = 14.9	N.P. ⁽⁷⁾	x: 0.201 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.9
N819/N731	b / t ≤ (b / t) _{lim} Cumple	x: 0.804 m η = 13.8	N.P. ⁽⁹⁾	x: 0.402 m η = 0.3	x: 0.402 m η = 2.4	x: 0.402 m η = 2.7	x: 0 m η = 0.5	x: 0 m η = 0.2	x: 0.402 m η = 14.9	N.P. ⁽⁷⁾	x: 0.201 m η < 0.1	N.P. ⁽¹⁾	CUMPLE η = 14.9
Notación: b / t: Relación anchura / espesor N _t : Resistencia a tracción N _c : Resistencia a compresión M _y : Resistencia a flexión. Eje Y M _z : Resistencia a flexión. Eje Z M _y M _z : Resistencia a flexión biaxial V _y : Resistencia a corte Y V _z : Resistencia a corte Z N _M M _z : Resistencia a tracción y flexión N _M M _y : Resistencia a compresión y flexión N _M M _y V _z : Resistencia a cortante, axil y flexión M _{NM} M _y V _z : Resistencia a torsión combinada con axil, flexión y cortante x: Distancia al origen de la barra η: Coeficiente de aprovechamiento (%) N.P.: No procede													
Comprobaciones que no proceden (N.P.): ⁽¹⁾ La comprobación no procede, ya que no hay momento torsor. ⁽²⁾ La comprobación no procede, ya que no hay axil de tracción. ⁽³⁾ No hay interacción entre tracción y momento flector para ninguna combinación. Por lo tanto, la comprobación no procede. ⁽⁴⁾ La comprobación no procede, ya que no hay momento flector. ⁽⁵⁾ La comprobación no procede, ya que no hay flexión biaxial para ninguna combinación. ⁽⁶⁾ La comprobación no procede, ya que no hay esfuerzo cortante. ⁽⁷⁾ No hay interacción entre axil de compresión y momento flector para ninguna combinación. Por lo tanto, la comprobación no procede. ⁽⁸⁾ No hay interacción entre momento flector, axil y cortante para ninguna combinación. Por lo tanto, la comprobación no procede. ⁽⁹⁾ La comprobación no procede, ya que no hay axil de compresión.													

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	λ_{rel}	N_t	N_c	M_t	M_z	V_z	V_y	$M_y V_z$	$M_z V_y$	NM_z	$NM_y V_z$	M_t	$M_y V_z$	$M_z V_y$	
N11/N208	x: 0.225 m $\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 10.4$	x: 1.8 m $\eta = 7.0$	x: 1.8 m $\eta = 0.1$	x: 1.8 m $\eta = 0.8$	$\eta < 0.1$	x: 0.225 m $\eta < 0.1$	x: 0.675 m $\eta < 0.1$	x: 1.8 m $\eta = 12.3$	x: 0.225 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 12.3$
N208/N891	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 5.2$	x: 0.98 m $\eta = 22.8$	x: 0 m $\eta = 0.1$	$\eta = 5.8$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0.98 m $\eta = 27.7$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 27.7$
N891/N12	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 2.9$	x: 0 m $\eta = 22.8$	x: 0 m $\eta < 0.1$	$\eta = 7.9$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 24.9$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 24.9$
N15/N194	x: 0.225 m $\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 10.3$	x: 1.8 m $\eta = 7.3$	x: 1.8 m $\eta < 0.1$	x: 1.8 m $\eta = 0.8$	$\eta < 0.1$	x: 0.225 m $\eta < 0.1$	x: 0.9 m $\eta < 0.1$	x: 1.8 m $\eta = 12.7$	x: 0.225 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 12.7$
N194/N888	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 5.3$	x: 0.98 m $\eta = 23.9$	x: 0 m $\eta < 0.1$	$\eta = 6.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0.98 m $\eta = 28.9$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 28.9$
N888/N16	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 2.9$	x: 0 m $\eta = 23.9$	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$\eta = 8.2$	$\eta < 0.1$	$\eta < 0.1$	N.P. ⁽⁵⁾	x: 0 m $\eta = 25.9$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 25.9$
N19/N202	x: 0.225 m $\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 10.1$	x: 1.8 m $\eta = 5.9$	x: 1.8 m $\eta < 0.1$	x: 1.8 m $\eta = 0.7$	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	x: 0.225 m $\eta < 0.1$	N.P. ⁽⁵⁾	x: 1.8 m $\eta = 10.9$	x: 0.225 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 10.9$
N202/N885	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	x: 0.98 m $\eta = 0.1$	x: 0 m $\eta = 4.7$	x: 0.98 m $\eta = 19.2$	x: 0 m $\eta < 0.1$	$\eta = 4.9$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0.98 m $\eta = 23.6$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 23.6$
N885/N20	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 2.9$	x: 0 m $\eta = 19.2$	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$\eta = 6.6$	$\eta < 0.1$	$\eta < 0.1$	N.P. ⁽⁵⁾	x: 0 m $\eta = 21.2$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 21.2$
N85/N531	x: 0.225 m $\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 5.3$	x: 1.8 m $\eta = 23.8$	x: 1.8 m $\eta < 0.1$	$\eta = 2.5$	$\eta < 0.1$	x: 0.225 m $\eta < 0.1$	x: 0.9 m $\eta < 0.1$	x: 1.8 m $\eta = 28.6$	x: 0.225 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 28.6$
N531/N87	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 4.6$	x: 0.7 m $\eta = 33.0$	x: 0.7 m $\eta = 0.1$	$\eta = 2.5$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0.7 m $\eta = 37.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 37.1$
N87/N886	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 4.1$	x: 0.28 m $\eta = 36.7$	x: 0 m $\eta = 0.1$	$\eta = 2.5$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0.28 m $\eta = 40.3$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 40.3$
N886/N89	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 1.2$	x: 0 m $\eta = 36.7$	x: 0 m $\eta < 0.1$	$\eta = 12.8$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 37.5$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 37.5$
N86/N193	x: 0.225 m $\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 5.4$	x: 1.8 m $\eta = 22.5$	x: 1.575 m $\eta = 0.1$	$\eta = 2.4$	$\eta < 0.1$	x: 0.225 m $\eta < 0.1$	x: 0.45 m $\eta < 0.1$	x: 1.8 m $\eta = 27.5$	x: 0.225 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 27.5$
N193/N88	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 4.6$	x: 0.7 m $\eta = 32.5$	x: 0.7 m $\eta = 0.1$	$\eta = 2.7$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0.7 m $\eta = 36.6$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 36.6$
N88/N887	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 4.1$	x: 0.28 m $\eta = 36.5$	x: 0 m $\eta = 0.1$	$\eta = 2.7$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0.28 m $\eta = 40.2$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 40.2$
N887/N90	$\lambda_{rel} \leq \lambda_{lim,rel}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 1.5$	x: 0 m $\eta = 36.5$	x: 0 m $\eta < 0.1$	$\eta = 12.7$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 37.3$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 37.3$



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)													Estado
	$\lambda_{w,cr}$	N_t	N_c	M_t	M_z	V_z	V_t	$M \cdot V_z$	$M_z \cdot V_t$	$NM \cdot M_z$	$NM_t \cdot V_z \cdot V_z$	M_t	$M \cdot V_z$	
N91/N534	$x: 0.225 \text{ m}$ $\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 5.1$	$x: 1.8 \text{ m}$ $\eta = 22.2$	$x: 1.8 \text{ m}$ $\eta = 0.1$	$\eta = 2.4$	$\eta < 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 0.45 \text{ m}$ $\eta < 0.1$	$x: 1.8 \text{ m}$ $\eta = 26.9$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 26.9$
N534/N93	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 4.4$	$x: 0.7 \text{ m}$ $\eta = 30.9$	$x: 0 \text{ m}$ $\eta = 0.1$	$\eta = 2.4$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0.7 \text{ m}$ $\eta = 34.8$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 34.8$
N93/N889	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 3.9$	$x: 0.28 \text{ m}$ $\eta = 34.3$	$x: 0 \text{ m}$ $\eta = 0.1$	$\eta = 2.4$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0.28 \text{ m}$ $\eta = 37.8$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 37.8$
N889/N95	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 1.2$	$x: 0 \text{ m}$ $\eta = 34.3$	$x: 0 \text{ m}$ $\eta = 0.1$	$\eta = 12.0$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 35.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 35.1$
N92/N535	$x: 0.225 \text{ m}$ $\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 5.1$	$x: 1.8 \text{ m}$ $\eta = 22.2$	$x: 1.8 \text{ m}$ $\eta < 0.1$	$\eta = 2.4$	$\eta < 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 0.675 \text{ m}$ $\eta < 0.1$	$x: 1.8 \text{ m}$ $\eta = 26.8$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 26.8$
N535/N94	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 4.4$	$x: 0.7 \text{ m}$ $\eta = 30.8$	$x: 0.7 \text{ m}$ $\eta = 0.2$	$\eta = 2.4$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$x: 0.7 \text{ m}$ $\eta = 34.7$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 34.7$
N94/N890	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 3.9$	$x: 0.28 \text{ m}$ $\eta = 34.3$	$x: 0 \text{ m}$ $\eta = 0.2$	$\eta = 2.4$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0.28 \text{ m}$ $\eta = 37.8$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 37.8$
N890/N96	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 1.2$	$x: 0 \text{ m}$ $\eta = 34.3$	$x: 0 \text{ m}$ $\eta = 0.1$	$\eta = 11.9$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 35.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 35.1$
N97/N539	$x: 0.225 \text{ m}$ $\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 5.6$	$x: 1.8 \text{ m}$ $\eta = 27.9$	$x: 1.8 \text{ m}$ $\eta = 0.1$	$\eta = 3.0$	$\eta < 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 0.45 \text{ m}$ $\eta < 0.1$	$x: 1.8 \text{ m}$ $\eta = 33.2$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 33.2$
N539/N99	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$x: 0.7 \text{ m}$ $\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 4.9$	$x: 0.7 \text{ m}$ $\eta = 38.8$	$x: 0 \text{ m}$ $\eta = 0.1$	$\eta = 3.0$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0.7 \text{ m}$ $\eta = 43.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 43.1$
N99/N892	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$x: 0.28 \text{ m}$ $\eta = 0.2$	$x: 0 \text{ m}$ $\eta = 4.5$	$x: 0.28 \text{ m}$ $\eta = 43.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$\eta = 3.0$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0.28 \text{ m}$ $\eta = 47.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 47.1$
N892/N101	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 1.1$	$x: 0 \text{ m}$ $\eta = 43.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$\eta = 15.0$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 43.8$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 43.8$
N589/N1404	$x: 0.225 \text{ m}$ $\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 13.6$	$x: 1.8 \text{ m}$ $\eta = 12.4$	$x: 1.8 \text{ m}$ $\eta = 2.8$	$\eta = 1.7$	$x: 0 \text{ m}$ $\eta = 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 1.8 \text{ m}$ $\eta = 24.2$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 24.2$
N1404/N590	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 9.7$	$x: 1.58 \text{ m}$ $\eta = 87.9$	$x: 0 \text{ m}$ $\eta = 2.8$	$\eta = 15.6$	$x: 1.58 \text{ m}$ $\eta = 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$x: 1.58 \text{ m}$ $\eta = 97.9$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 97.9$
N569/N608	$x: 0.225 \text{ m}$ $\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 7.4$	$x: 1.8 \text{ m}$ $\eta = 26.3$	$x: 1.8 \text{ m}$ $\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 3.7$	$\eta < 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 0.45 \text{ m}$ $\eta < 0.1$	$x: 1.8 \text{ m}$ $\eta = 33.6$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 33.6$
N608/N593	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 6.8$	$x: 1.58 \text{ m}$ $\eta = 51.1$	$x: 0.198 \text{ m}$ $\eta < 0.1$	$x: 1.58 \text{ m}$ $\eta = 4.0$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$x: 1.58 \text{ m}$ $\eta = 57.9$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 57.9$
N463/N515	$x: 0.225 \text{ m}$ $\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$x: 1.8 \text{ m}$ $\eta = 0.4$	$x: 0 \text{ m}$ $\eta = 3.4$	$x: 1.8 \text{ m}$ $\eta = 19.3$	$x: 1.8 \text{ m}$ $\eta = 0.1$	$\eta = 2.1$	$\eta < 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 0.9 \text{ m}$ $\eta < 0.1$	$x: 1.8 \text{ m}$ $\eta = 22.5$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 22.5$
N515/N893	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$x: 0.98 \text{ m}$ $\eta = 0.5$	$x: 0 \text{ m}$ $\eta = 3.0$	$x: 0.98 \text{ m}$ $\eta = 29.9$	$x: 0 \text{ m}$ $\eta = 0.1$	$\eta = 2.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta < 0.1$	$x: 0.98 \text{ m}$ $\eta = 32.6$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 32.6$
N893/N485	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$N_{Ed} = 0.00$ $N.P.^{(1)}$	$x: 0 \text{ m}$ $\eta = 0.5$	$x: 0 \text{ m}$ $\eta = 29.9$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	$\eta = 10.4$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 30.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 30.1$
N683/N485	$x: 0.3 \text{ m}$ $\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$\eta = 2.4$	$\eta = 1.0$	$x: 0.6 \text{ m}$ $\eta = 2.7$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	$x: 0 \text{ m}$ $\eta = 0.9$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	$x: 0.3 \text{ m}$ $\eta < 0.1$	$N.P.^{(5)}$	$x: 0.6 \text{ m}$ $\eta = 5.1$	$x: 0.3 \text{ m}$ $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 5.1$
N52/N968	$x: 0.225 \text{ m}$ $\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$x: 0.9 \text{ m}$ $\eta = 14.8$	$x: 0.9 \text{ m}$ $\eta = 2.8$	$x: 0 \text{ m}$ $\eta = 3.9$	$\eta = 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$x: 0.9 \text{ m}$ $\eta = 16.7$	$x: 0.225 \text{ m}$ $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 16.7$
N968/N684	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 14.8$	$x: 0 \text{ m}$ $\eta = 2.8$	$x: 0.1 \text{ m}$ $\eta = 1.4$	$\eta = 1.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 16.7$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 16.7$
N684/N883	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 14.1$	$x: 0.75 \text{ m}$ $\eta = 1.8$	$x: 0.75 \text{ m}$ $\eta = 5.3$	$\eta = 0.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 14.3$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 14.3$
N883/N967	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 4.2$	$x: 0 \text{ m}$ $\eta = 1.8$	$x: 0 \text{ m}$ $\eta = 7.8$	$\eta = 0.9$	$\eta < 0.1$	$\eta < 0.1$	$x: 0 \text{ m}$ $\eta = 5.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 7.8$
N967/N685	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$x: 0.1 \text{ m}$ $\eta = 3.8$	$x: 0 \text{ m}$ $\eta = 1.7$	$x: 0 \text{ m}$ $\eta = 3.9$	$\eta = 0.6$	$\eta < 0.1$	$\eta < 0.1$	$x: 0.1 \text{ m}$ $\eta = 4.0$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$ CUMPLE $\eta = 4.0$
N685/N966	$\lambda_{w,cr} \leq \lambda_{w,cr,cr}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$x: 0.675 \text{ m}$ $\eta = 5.6$	$x: 0.9 \text{ m}$ $\eta = 1.6$	$x: 0 \text{ m}$ $\eta = 1.1$	$\eta = 0.1$	$\eta < 0.1$	$\eta < 0.1$	$x: 0.9 \text{ m}$ $\eta = 6.9$	$\eta < 0.1$			



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)													Estado	
	λ_{rel}	N_t	N_c	M_t	M_z	V_z	V_t	$M_t V_z$	$M_z V_t$	$N M_t M_z$	$N M_t V_z V_z$	M_t	$M_t V_z$		$M_t V_t$
N1329/N725	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 1.43 m $\eta = 1.4$	x: 0 m $\eta = 3.3$	x: 0 m $\eta = 4.5$	x: 1.43 m $\eta = 1.6$	x: 1.43 m $\eta = 0.8$	x: 0 m $\eta = 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 1.43 m $\eta = 7.6$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 7.6$
N725/N692	x: 0 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.25 m $\eta = 1.5$	x: 0 m $\eta = 2.7$	x: 0 m $\eta = 4.5$	x: 0 m $\eta = 1.6$	$\eta = 3.5$	$\eta = 0.3$	x: 0 m $\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 6.6$	x: 0 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 6.6$
N683/N972	x: 0.05 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0.1 m $\eta = 4.3$	x: 0.1 m $\eta = 2.2$	x: 0 m $\eta = 8.2$	$\eta = 0.9$	x: 0.05 m $\eta < 0.1$	x: 0.05 m $\eta < 0.1$	x: 0.1 m $\eta = 5.8$	x: 0.05 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 8.2$
N972/N682	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0.733 m $\eta = 21.3$	x: 0 m $\eta = 2.2$	x: 0 m $\eta = 5.1$	$\eta = 0.2$	$\eta < 0.1$	$\eta < 0.1$	x: 0.733 m $\eta = 22.5$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 22.5$
N682/N985	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0.1 m $\eta = 21.7$	x: 0 m $\eta = 1.8$	x: 0 m $\eta = 0.9$	$\eta = 1.0$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 22.5$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 22.5$
N985/N971	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 21.7$	x: 0.8 m $\eta = 2.4$	x: 0.8 m $\eta = 3.7$	$\eta = 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 22.2$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 22.2$
N971/N681	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 9.1$	x: 0.1 m $\eta = 3.0$	x: 0.1 m $\eta = 6.9$	$\eta = 0.7$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 10.0$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 10.0$
N681/N884	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0.25 m $\eta = 7.9$	x: 0.25 m $\eta = 5.9$	x: 0.25 m $\eta = 10.4$	$\eta = 0.5$	$\eta < 0.1$	$\eta < 0.1$	x: 0.25 m $\eta = 10.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 10.4$
N884/N970	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0.65 m $\eta = 11.1$	x: 0.65 m $\eta = 8.1$	x: 0 m $\eta = 6.1$	$\eta = 0.9$	$\eta < 0.1$	$\eta < 0.1$	x: 0.65 m $\eta = 13.0$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 13.0$
N970/N680	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0.1 m $\eta = 12.0$	x: 0.1 m $\eta = 8.3$	x: 0 m $\eta = 1.9$	$\eta = 0.7$	$\eta < 0.1$	$\eta < 0.1$	x: 0.1 m $\eta = 14.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 14.1$
N680/N969	$\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 12.0$	x: 0 m $\eta = 8.3$	x: 0.9 m $\eta = 2.7$	$\eta = 0.4$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 13.0$	$\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 13.0$
N969/N52	x: 0 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 2.9$	x: 0 m $\eta = 1.7$	x: 0.1 m $\eta = 5.7$	$\eta = 0.7$	x: 0 m $\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 3.3$	x: 0 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 5.7$
N47/N20	x: 0.3 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta = 2.4$	$\eta = 0.7$	x: 0.6 m $\eta = 1.6$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.6$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.3 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.6 m $\eta = 4.0$	x: 0.3 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.0$
N880/N89	x: 0.3 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta = 3.1$	$\eta = 0.9$	x: 0.6 m $\eta = 3.4$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 1.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.3 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.6 m $\eta = 6.5$	x: 0.3 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 6.5$
N881/N90	x: 0.3 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta = 3.1$	$\eta = 0.9$	x: 0.6 m $\eta = 3.4$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 1.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.3 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.6 m $\eta = 6.5$	x: 0.3 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 6.5$
N45/N16	x: 0.3 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta = 2.8$	$\eta = 0.7$	x: 0.6 m $\eta = 2.0$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.7$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.3 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.6 m $\eta = 4.8$	x: 0.3 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.8$
N882/N95	x: 0.3 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta = 2.7$	$\eta = 0.7$	x: 0.6 m $\eta = 3.2$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 1.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.3 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.6 m $\eta = 5.9$	x: 0.3 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 5.9$
N883/N96	x: 0.3 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta = 2.5$	$\eta = 0.5$	x: 0.6 m $\eta = 3.2$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 1.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.3 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.6 m $\eta = 5.7$	x: 0.3 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 5.7$
N884/N101	x: 0.3 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta = 3.7$	$\eta = 1.0$	x: 0.6 m $\eta = 4.0$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 1.3$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.3 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.6 m $\eta = 7.7$	x: 0.3 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 7.7$
N52/N12	x: 0.3 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	$\eta = 2.7$	$\eta = 0.6$	x: 0.6 m $\eta = 1.9$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.7$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.3 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.6 m $\eta = 4.6$	x: 0.3 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.6$
N885/N47	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.3$	x: 0 m $\eta = 3.3$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 3.4$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 3.4$
N886/N880	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.3$	x: 0 m $\eta = 4.4$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 4.5$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.5$
N887/N881	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.3$	x: 0 m $\eta = 4.5$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 4.5$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.5$
N888/N45	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.2$	x: 0 m $\eta = 4.2$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 4.2$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.2$
N889/N882	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.1$	x: 0 m $\eta = 4.2$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 4.2$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.2$
N890/N883	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.1$	x: 0 m $\eta = 4.2$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 4.2$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.2$
N891/N52	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.1$	x: 0 m $\eta = 4.0$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 4.0$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 4.0$
N892/N884	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.5$	x: 0 m $\eta = 5.2$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 5.3$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 5.3$
N893/N683	x: 0.212 m $\lambda_{rel} \leq \lambda_{rel,limite}$ Cumple	x: 0.849 m $\eta = 1.4$	x: 0 m $\eta = 3.6$	x: 0.424 m $\eta = 0.1$	$M_{Ed} = 0.00$ $N.P.^{(4)}$	x: 0 m $\eta = 0.1$	$V_{Ed} = 0.00$ $N.P.^{(5)}$	x: 0.212 m $\eta < 0.1$	$N.P.^{(5)}$	x: 0.424 m $\eta = 3.7$	x: 0.212 m $\eta < 0.1$	$M_{Ed} = 0.00$ $N.P.^{(2)}$	$N.P.^{(3)}$	$N.P.^{(3)}$	CUMPLE $\eta = 3.7$
N737/N1333	x: 0.213 m $\lambda_{rel} \leq \lambda_{rel,limite}$														



Listados

VESTUARIOS RANILLAS

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Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	$\lambda_{w,cr}$	N_{cr}	N_{cr}	M_{cr}	M_{cr}	V_{cr}	V_{cr}	$M_{cr}V_{cr}$	$M_{cr}V_{cr}$	$NM_{cr}M_{cr}$	$NM_{cr}M_{cr}V_{cr}$	M_{cr}	$M_{cr}V_{cr}$	$M_{cr}V_{cr}$	
N743/N1361	x: 0.213 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 11.8$	x: 1.7 m $\eta = 4.2$	x: 1.7 m $\eta = 0.2$	x: 0 m $\eta = 0.7$	$\eta < 0.1$	x: 0.213 m $\eta < 0.1$	x: 0.213 m $\eta < 0.1$	x: 1.7 m $\eta = 12.4$	x: 0.213 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 12.4$
N1361/N740	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 7.6$	x: 0.715 m $\eta = 4.6$	x: 1.43 m $\eta = 0.3$	x: 1.43 m $\eta = 0.6$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 1.43 m $\eta = 10.8$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 10.8$
N740/N698	x: 0 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	x: 0.25 m $\eta = 2.1$	x: 0 m $\eta = 4.0$	x: 0 m $\eta = 4.1$	x: 0 m $\eta = 0.3$	$\eta = 3.2$	$\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 7.5$	x: 0 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 7.5$
N742/N1356	x: 0.213 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 13.5$	x: 1.7 m $\eta = 5.0$	x: 1.7 m $\eta = 0.1$	x: 0 m $\eta = 0.8$	$\eta < 0.1$	x: 0.213 m $\eta < 0.1$	x: 0.425 m $\eta < 0.1$	x: 0.425 m $\eta = 13.3$	x: 0.213 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 13.5$
N1356/N741	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	x: 0 m $\eta = 8.7$	x: 0.715 m $\eta = 5.5$	x: 1.43 m $\eta = 1.0$	x: 1.43 m $\eta = 0.5$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0.894 m $\eta = 12.3$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 12.3$
N741/N695	x: 0 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	x: 0.25 m $\eta = 2.1$	x: 0 m $\eta = 3.9$	x: 0 m $\eta = 5.2$	x: 0 m $\eta = 1.0$	$\eta = 4.0$	$\eta = 0.2$	x: 0 m $\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 7.2$	x: 0 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 7.2$
N692/N986	x: 0.05 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.1$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.1 m $\eta = 5.2$	x: 0.1 m $\eta = 2.9$	x: 0 m $\eta = 10.0$	$\eta = 1.2$	x: 0.05 m $\eta < 0.1$	x: 0.05 m $\eta < 0.1$	x: 0.1 m $\eta = 8.2$	x: 0.05 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 10.0$
N986/N693	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.1$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.733 m $\eta = 31.0$	x: 0 m $\eta = 2.9$	x: 0 m $\eta = 6.8$	$\eta = 0.3$	$\eta < 0.1$	$\eta < 0.1$	x: 0.733 m $\eta = 33.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 33.1$
N693/N983	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.1$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.1 m $\eta = 32.8$	x: 0 m $\eta = 2.1$	x: 0 m $\eta = 3.5$	$\eta = 1.5$	$\eta < 0.1$	$\eta < 0.1$	x: 0.1 m $\eta = 34.3$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 34.3$
N983/N982	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.1$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.8 m $\eta = 34.4$	x: 0.8 m $\eta = 4.0$	x: 0 m $\eta = 0.5$	$\eta = 0.2$	$\eta < 0.1$	$\eta < 0.1$	x: 0.8 m $\eta = 36.3$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 36.3$
N982/N694	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.1$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 34.4$	x: 0.1 m $\eta = 4.6$	x: 0.1 m $\eta = 2.8$	$\eta = 1.0$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 36.3$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 36.3$
N694/N981	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.1$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 32.9$	x: 0 m $\eta = 4.6$	x: 0.9 m $\eta = 6.1$	$\eta = 0.3$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 33.6$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 33.6$
N981/N695	x: 0 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.1$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 4.7$	x: 0 m $\eta = 1.1$	x: 0.1 m $\eta = 9.1$	$\eta = 0.5$	x: 0 m $\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 5.8$	x: 0 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 9.1$
N695/N980	x: 0.225 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.9 m $\eta = 32.0$	x: 0.9 m $\eta = 4.9$	x: 0 m $\eta = 6.9$	$\eta = 0.2$	x: 0.225 m $\eta < 0.1$	x: 0.225 m $\eta < 0.1$	x: 0.9 m $\eta = 34.0$	x: 0.225 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 34.0$
N980/N696	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.1 m $\eta = 33.7$	x: 0 m $\eta = 4.9$	x: 0 m $\eta = 3.3$	$\eta = 1.5$	$\eta < 0.1$	$\eta < 0.1$	x: 0.1 m $\eta = 34.7$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 34.7$
N696/N979	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.9 m $\eta = 35.4$	x: 0.9 m $\eta = 2.5$	x: 0 m $\eta = 0.4$	$\eta = 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0.9 m $\eta = 37.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 37.1$
N979/N697	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 35.4$	x: 0 m $\eta = 2.5$	x: 0.1 m $\eta = 3.1$	$\eta = 0.2$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 37.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 37.1$
N697/N978	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 33.8$	x: 0 m $\eta = 2.2$	x: 0.9 m $\eta = 6.3$	$\eta = 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 35.0$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 35.0$
N978/N698	x: 0 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 4.8$	x: 0 m $\eta = 0.9$	x: 0.1 m $\eta = 9.2$	$\eta = 0.4$	x: 0 m $\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 5.8$	x: 0 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 9.2$
N698/N977	x: 0.225 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.9 m $\eta = 31.5$	x: 0.9 m $\eta = 5.0$	x: 0 m $\eta = 6.8$	$\eta = 0.2$	x: 0.225 m $\eta < 0.1$	x: 0.225 m $\eta < 0.1$	x: 0.9 m $\eta = 35.1$	x: 0.225 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 35.1$
N977/N699	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.1 m $\eta = 33.1$	x: 0 m $\eta = 5.0$	x: 0 m $\eta = 3.1$	$\eta = 1.4$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 35.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 35.1$
N699/N976	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.9 m $\eta = 34.9$	x: 0.9 m $\eta = 2.7$	x: 0 m $\eta = 0.5$	$\eta = 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0.9 m $\eta = 36.6$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 36.6$
N976/N700	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 34.9$	x: 0.1 m $\eta = 3.6$	x: 0.1 m $\eta = 2.7$	$\eta = 0.4$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 36.6$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 36.6$
N700/N975	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 33.5$	x: 0 m $\eta = 3.6$	x: 0.9 m $\eta = 6.2$	$\eta = 0.2$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 36.1$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 36.1$
N975/N701	x: 0 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 4.7$	x: 0 m $\eta = 1.2$	x: 0.1 m $\eta = 8.9$	$\eta = 0.5$	x: 0 m $\eta < 0.1$	x: 0 m $\eta < 0.1$	x: 0 m $\eta = 5.9$	x: 0 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 8.9$
N701/N974	x: 0.225 m $\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.9 m $\eta = 32.6$	x: 0.9 m $\eta = 6.1$	x: 0 m $\eta = 7.0$	$\eta = 0.3$	x: 0.225 m $\eta < 0.1$	x: 0.225 m $\eta < 0.1$	x: 0.9 m $\eta = 37.0$	x: 0.225 m $\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 37.0$
N974/N702	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.1 m $\eta = 34.0$	x: 0 m $\eta = 6.1$	x: 0 m $\eta = 2.7$	$\eta = 2.2$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 37.0$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 37.0$
N702/N973	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0.9 m $\eta = 35.6$	x: 0 m $\eta = 4.2$	x: 0 m $\eta = 0.4$	$\eta < 0.1$	$\eta < 0.1$	$\eta < 0.1$	x: 0.9 m $\eta = 35.8$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 35.8$
N973/N703	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 35.6$	x: 0.1 m $\eta = 6.6$	x: 0.1 m $\eta = 3.1$	$\eta = 1.2$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 35.8$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 35.8$
N703/N949	$\lambda_{w,cr} \leq \lambda_{w,cr,adm}$ Cumple	$\eta = 0.2$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	x: 0 m $\eta = 34.1$	x: 0 m $\eta = 6.6$	x: 0.9 m $\eta = 6.3$	$\eta = 0.4$	$\eta < 0.1$	$\eta < 0.1$	x: 0 m $\eta = 35.2$	$\eta < 0.1$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE $\eta = 35.2$

Barras	COMPROBACIONES (EUROCODIGO 3 EN 1993-1-1: 2005)														Estado
	N _t	N _c	M _y	M _z	V _z	V _y	M ₂ V _z	M ₂ V _y	NM,M ₂	NM,M ₂ V _z	M ₁	M ₂ V _z	M ₂ V _y		
N184/N40	η = 14.8	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 14.8	
N182/N39	η = 9.1	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.1	
N53/N182	η = 8.1	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 8.1	
N182/N55	η = 4.3	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4.3	
N9/N185	η = 6.2	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.2	
N185/N40	η = 6.8	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.8	
N9/N184	η = 13.3	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.3	
N73/N183	η = 8.4	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 8.4	
N183/N77	η = 4.4	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4.4	
N28/N186	η = 6.4	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.4	
N186/N29	η = 6.9	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.9	
N6/N191	η = 5.8	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 5.8	
N191/N18	η = 6.1	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.1	
N62/N192	η = 7.5	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 7.5	
N192/N64	η = 3.8	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 3.8	
N15/N193	η = 7.2	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 7.2	
N193/N16	η = 5.4	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 5.4	
N86/N194	η = 5.8	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 5.8	
N194/N90	η = 6.6	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.6	
N28/N195	η = 12.1	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 12.1	
N183/N31	η = 9.3	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.3	
N195/N29	η = 19.7	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 19.7	
N30/N183	η = 20.4	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 20.4	
N125/N196	η = 20.5	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 20.5	
N197/N27	η = 20.1	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 20.1	
N196/N119	η = 8.4	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁸⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 8.4	
N8/N197	η = 13.3	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾ </									

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	N _t	N _c	M _t	M _c	V _z	V _t	M ₁ V _z	M ₂ V _t	NM _z	NM ₁ M ₂ V _z	M ₁	M ₂ V _z	M ₁ V _t		
N167/N208	η = 22.2	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 22.2	
N208/N168	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	NO PROCEDE	
N209/N12	η = 30.6	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 30.6	
N11/N209	η = 14.5	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 14.5	
N114/N190	η = 19.0	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 19.0	
N1/N210	η = 15.6	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 15.6	
N190/N115	η = 11.2	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 11.2	
N210/N2	η = 17.8	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 17.8	
N4/N211	η = 11.5	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 11.5	
N165/N188	η = 23.5	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 23.5	
N211/N10	η = 21.8	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 21.8	
N188/N166	η = 7.3	N _{Ed} = 0.00 N.P. ⁽¹⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁴⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁴⁾	N.P. ⁽⁶⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 7.3	
N205/N491	η = 4.3	η = 54.0	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 58.8	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 58.8	
N491/N492	η = 4.3	η = 51.9	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 56.7	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 56.7	
N492/N493	η = 4.2	η = 50.1	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 54.8	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 54.8	
N493/N204	η = 4.3	η = 48.4	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 53.1	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 53.1	
N209/N494	η = 4.2	η = 51.2	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 56.0	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 56.0	
N494/N495	η = 4.2	η = 49.2	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 53.9	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 53.9	
N495/N496	η = 4.2	η = 47.4	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 52.0	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 52.0	
N496/N207	η = 4.2	η = 45.7	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 50.3	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 50.3	
N203/N497	η = 4.5	η = 32.3	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 36.4	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 36.4	
N497/N498	η = 4.5	η = 30.6	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 34.7	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 34.7	
N498/N499	η = 4.5	η = 29.1	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 33.1	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 33.1	
N499/N201	η = 4.5	η = 27.6	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 31.7	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 31.7	
N199/N500	η = 5.7	N _{Ed} = 0.00 N.P. ⁽¹⁾	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 9.1	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.1	
N500/N501	η = 5.7	N _{Ed} = 0.00 N.P. ⁽¹⁾	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 9.0	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.0	
N501/N502	η = 5.7	N _{Ed} = 0.00 N.P. ⁽¹⁾	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 9.0	x: 0.225 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.0	
N502/N197	η = 5.7	N _{Ed} = 0.00 N.P. ⁽¹⁾	x: 0.675 m η = 3.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.225 m η < 0.1	N.P. ⁽⁵⁾	x: 0.675 m η = 9.1	x: 0.225 m 					



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Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	N ₁	N ₂	M ₁	M ₂	V ₂	V ₁	M ₁ V ₂	M ₂ V ₁	NM ₁ M ₂	NM ₁ M ₂ V ₂	M ₁	M ₂	M ₁ V ₂	M ₂ V ₁	
N608/N597	η = 6.4	N _{Ed} = 0.00 N.P. ⁽⁷⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.4	
N607/N593	η = 6.4	N _{Ed} = 0.00 N.P. ⁽⁷⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.4	
N569/N607	η = 7.0	N _{Ed} = 0.00 N.P. ⁽⁷⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 7.0	
N596/N608	η = 7.0	N _{Ed} = 0.00 N.P. ⁽⁷⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 7.0	
N658/N190	η = 0.3	η = 0.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 0.4	
N606/N659	η = 0.3	η = 0.3	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 0.3	
N659/N658	η = 0.3	η = 0.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η < 0.1	V _{Ed} = 0.00 N.P. ⁽⁶⁾	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 0.4	
N190/N444	η = 2.0	η = 13.3	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	x: 0 m η < 0.1	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.3	
N442/N189	η = 2.0	η = 13.2	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	x: 0 m η < 0.1	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.2	
N444/N442	η = 2.0	η = 13.2	M _{Ed} = 0.00 N.P. ⁽⁴⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	V _{Ed} = 0.00 N.P. ⁽⁶⁾	x: 0 m η < 0.1	N.P. ⁽⁵⁾	N.P. ⁽⁵⁾	N.P. ⁽⁸⁾	N.P. ⁽⁹⁾	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.2	
N692/N1250	η = 0.3	η = 7.0	x: 0.75 m η = 8.7	x: 0.75 m η = 0.8	x: 0 m η = 0.9	η < 0.1	x: 0.187 m η < 0.1	x: 0.187 m η < 0.1	x: 0.75 m η = 15.5	x: 0.187 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 15.5	
N1250/N1251	η = 0.3	η = 6.8	x: 0.75 m η = 16.2	x: 0.75 m η = 0.4	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.1	η < 0.1	η = 0.5	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 22.1	
N1251/N1252	η = 0.3	η = 6.7	x: 0.75 m η = 22.0	x: 0 m η = 0.4	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.5	η < 0.1	η = 0.3	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 27.5	
N1252/N1253	η = 0.3	η = 6.6	x: 0.75 m η = 26.2	x: 0.75 m η = 0.4	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.4	η < 0.1	η = 0.1	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 31.4	
N1253/N1254	η = 0.3	η = 6.4	x: 0.75 m η = 28.5	x: 0.75 m η = 0.4	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 33.6	η < 0.1	η = 0.2	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 33.6	
N1254/N1255	η = 0.3	η = 6.3	x: 0.562 m η = 28.9	x: 0.75 m η = 0.4	x: 0 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.562 m η = 33.8	η < 0.1	η = 0.9	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 33.8	
N1255/N721	η = 0.3	η = 0.6	x: 0 m η = 28.8	x: 0.346 m η = 0.2	x: 0.346 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.4	η < 0.1	η = 1.8	x: 0.346 m η = 0.2	x: 0.346 m η = 0.2	CUMPLE η = 29.4	
N721/N1266	η = 0.3	η = 7.5	x: 0.403 m η = 28.4	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η = 0.1	η < 0.1	η < 0.1	N.P. ⁽⁵⁾	x: 0.403 m η = 33.9	η < 0.1	η = 2.3	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 33.9	
N1266/N1265	η = 0.3	η = 7.2	x: 0 m η = 31.7	x: 0 m η = 0.4	x: 0.75 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 36.4	η < 0.1	η = 1.4	x: 0.75 m η = 0.5	x: 0.75 m η = 0.5	CUMPLE η = 36.4	
N1265/N1264	η = 0.3	η = 7.5	x: 0 m η = 27.7	x: 0.75 m η = 0.4	x: 0.75 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 32.5	η < 0.1	η = 0.4	x: 0.75 m η = 0.5	x: 0.75 m η = 0.5	CUMPLE η = 32.5	
N1264/N1263	η = 0.4	η = 7.8	x: 0 m η = 22.8	x: 0.75 m η = 0.4	x: 0.75 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 27.7	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 27.7	
N1263/N1262	η = 0.4	η = 8.2	x: 0 m η = 16.7	x: 0.75 m η = 0.4	x: 0.75 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 21.8	η < 0.1	η = 0.3	x: 0.75 m η = 0.8	x: 0.75 m η = 0.8	CUMPLE η = 21.8	
N1262/N683	η = 0.4	η = 8.7	x: 0 m η = 9.3	x: 0 m η = 0.8	x: 0.75 m η = 1.0	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 14.7	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 14.7	
N682/N1239	x: 0 m η = 0.3	x: 0 m η = 5.2	x: 0.75 m η = 8.3	x: 0.75 m η = 0.8	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 13.7	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.7	
N1239/N1240	x: 0 m η = 0.3	x: 0 m η = 5.5	x: 0.75 m η = 15.6	x: 0.75 m η = 0.4	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 20.7	η < 0.1	η = 0.8	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 20.7	
N1240/N1241	x: 0 m η = 0.3	x: 0 m η = 5.6	x: 0.75 m η = 21.4	x: 0.75 m η = 0.4	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.4	η < 0.1	η = 0.7	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 26.4	
N1241/N1242	x: 0 m η = 0.3	x: 0 m η = 5.8	x: 0.75 m η = 25.6	x: 0.75 m η = 0.4	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.5	η < 0.1	η = 0.5	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 30.5	
N1242/N1243	x: 0 m η = 0.3	x: 0 m η = 5.9	x: 0.75 m η = 28.2	x: 0.75 m η = 0.4	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 33.2	η < 0.1	η = 0.4	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 33.2	
N1243/N720	x: 0 m η = 0.3	x: 0 m η = 0.6	x: 0.582 m η = 29.2	x: 0.582 m η = 0.2	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.582 m η = 30.0	η < 0.1	η = 0.2	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 30.0	
N681/N1206	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0.75 m η = 9.2	x: 0.75 m η = 0.4	x: 0 m η = 1.0	η < 0.1	x: 0.188 m η < 0.1	x: 0.375 m η < 0.1	x: 0.75 m η = 9.9	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.9	
N1206/N1207	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.75 m η = 16.3	x: 0.75 m η = 0.2	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.8	η < 0.1	η = 0.7	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.8	
N1207/N1208	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.75 m η = 22.1	x: 0.75 m η = 0.1	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.5	η < 0.1	η = 0.5	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 22.5	
N1208/N1209	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.75 m η = 26.3	x: 0.75 m η = 0.2	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.8	η < 0.1	η = 0.4	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 26.8	
N1209/N1210	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.75 m η = 29.1	x: 0.75 m η = 0.2	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.6	η < 0.1	η = 0.2	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 29.6	
N1210/N719	x: 0.362 m η = 0.3	x: 0.362 m η = 0.2	x: 0.362 m η = 30.0	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η = 0.2	η < 0.1	η < 0.1	N.P. ⁽⁵⁾	x: 0.362 m η = 30.4	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 30.4	
N680/N1184	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0.75 m η = 8.9	x: 0.75 m η = 0.9	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.3	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.3	
N1184/N1185	x: 0.75 m η = 0.3	x: 0 m η = 0.2	x: 0.75 m η = 15.9	x: 0.75 m η = 0.5	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.2	η < 0.1	η = 0.6	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.2	
N1185/N1186	x: 0.75 m η = 0.4	x: 0 m η = 0.2	x: 0.75 m η = 21.5	x: 0.75 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.7	η < 0.1	η = 0.3	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.7	
N1186/N1187	x: 0.75 m η = 0.4	x: 0 m η = 0.3	x: 0.75 m η = 25.6	x: 0.75 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η							



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VESTUARIOS RANILLAS

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Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	N ₁	N ₂	M ₁	M ₂	V ₂	V ₁	M ₁ V ₂	M ₂ V ₁	NM ₁ M ₂	NM ₁ M ₂ V ₂	M ₁	M ₂ V ₂	M ₁ V ₁		
N1120/N1121	x: 0.75 m η = 0.2	x: 0 m η = 0.1	x: 0.75 m η = 15.0	x: 0 m η = 0.6	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 15.9	η < 0.1	η = 0.3	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 15.9	
N1121/N1122	x: 0.75 m η = 0.2	x: 0 m η = 0.1	x: 0.75 m η = 20.3	x: 0 m η = 0.6	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.1	η < 0.1	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.1	
N1122/N715	x: 1.037 m η = 0.2	x: 0 m η = 0.2	x: 1.037 m η = 25.4	x: 0 m η = 0.8	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 1.037 m η = 26.6	η < 0.1	η = 0.4	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 26.6	
N686/N1098	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 8.7	x: 0.75 m η = 1.3	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 11.0	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 11.0	
N1098/N1099	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 15.3	x: 0.75 m η = 0.6	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.5	η < 0.1	η = 0.9	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 16.5	
N1099/N1100	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 20.5	x: 0 m η = 0.6	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.6	η < 0.1	η = 0.7	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.6	
N1100/N714	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0.858 m η = 24.9	x: 0.858 m η = 0.7	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.858 m η = 26.0	η < 0.1	η = 0.5	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 26.0	
N687/N1076	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0.75 m η = 8.6	x: 0.75 m η = 0.5	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.4	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.4	
N1076/N1077	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0.75 m η = 15.5	x: 0.75 m η = 0.2	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 15.9	η < 0.1	η = 0.2	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 15.9	
N1077/N1078	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0.75 m η = 21.0	x: 0 m η = 0.2	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.5	η < 0.1	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.5	
N1078/N713	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0.676 m η = 24.9	x: 0 m η = 0.2	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.676 m η = 25.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 25.2	
N45/N1054	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 7.4	x: 0.75 m η = 1.0	x: 0 m η = 0.8	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.0	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.0	
N1054/N1055	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 13.4	x: 0.75 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 14.4	η < 0.1	η = 0.4	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 14.4	
N1055/N1056	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 18.1	x: 0 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 19.0	η < 0.1	η = 0.3	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 19.0	
N1056/N712	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.521 m η = 20.5	x: 0 m η = 0.4	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.521 m η = 21.2	η < 0.1	η = 0.2	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 21.2	
N688/N1030	x: 0 m η = 0.4	x: 0 m η = 0.6	x: 0.75 m η = 8.6	x: 0.75 m η = 1.9	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 17.1	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 17.1	
N1030/N1031	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 15.3	x: 0.75 m η = 1.0	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 17.2	η < 0.1	η = 0.7	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 17.2	
N1031/N1032	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 20.8	x: 0.75 m η = 1.0	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.5	η < 0.1	η = 0.5	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 22.5	
N1032/N711	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.365 m η = 23.0	x: 0.365 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.365 m η = 23.9	η < 0.1	η = 0.3	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 23.9	
N689/N1009	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 8.2	x: 0.75 m η = 1.1	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.1	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.1	
N1009/N1272	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 15.0	x: 0 m η = 0.5	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 15.4	η < 0.1	η = 0.2	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 15.4	
N1272/N710	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.996 m η = 22.2	x: 0 m η = 0.7	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.996 m η = 22.6	η < 0.1	η = 0.1	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 22.6	
N690/N987	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 8.7	x: 0.75 m η = 1.6	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.3	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.3	
N987/N988	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 15.9	x: 0 m η = 0.8	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.1	η < 0.1	η = 0.4	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.1	
N988/N709	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.876 m η = 23.0	x: 0 m η = 0.9	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.876 m η = 23.3	η < 0.1	η = 0.2	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 23.3	
N691/N934	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 6.7	x: 0.75 m η = 1.1	x: 0 m η = 0.7	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 8.3	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 8.3	
N934/N935	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 12.3	x: 0.75 m η = 0.6	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 13.3	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.3	
N935/N708	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.819 m η = 17.2	x: 0.819 m η = 0.6	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.819 m η = 18.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 18.2	
N47/N895	x: 0 m η = 0.2	x: 0 m η = 4.9	x: 0.75 m η = 4.7	x: 0.75 m η = 0.9	x: 0 m η = 0.5	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 6.5	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 6.5	
N895/N896	x: 0 m η = 0.2	x: 0 m η = 4.8	x: 0.75 m η = 8.5	x: 0.75 m η = 0.5	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 10.0	η < 0.1	η = 0.2	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 10.0	
N896/N707	x: 0 m η = 0.2	x: 0 m η = 4.8	x: 0.772 m η = 11.3	x: 0 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 13.7	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.7	
N706/N898	x: 0 m η = 0.5	x: 0 m η = 7.7	x: 0.75 m η = 8.4	x: 0.75 m η = 0.9	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 16.9	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 16.9	
N898/N899	x: 0 m η = 0.4	x: 0 m η = 6.9	x: 0.75 m η = 15.5	x: 0 m η = 0.5	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.1	η < 0.1	η = 0.1	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 22.1	
N899/N900	x: 0 m η = 0.4	x: 0 m η = 6.2	x: 0.75 m η = 21.1	x: 0 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.8	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 26.8	
N900/N901	x: 0 m η = 0.3	x: 0 m η = 5.5	x: 0.75 m η = 25.1	x: 0 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.1	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 30.1	
N901/N902	x: 0 m η = 0.3	x: 0 m η = 4.9	x: 0.75 m η = 27.6	x: 0 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 32.0	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 32.0	
N902/N903	x: 0 m η = 0.3	x: 0 m η = 0.4	x: 0.75 m η = 28.6	x: 0 m η = 0.5	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.7	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 29.7	
N903/N904	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.188 m η = 28.6	x: 0 m η = 0.5	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.7	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 29.7	
N904/N905	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0 m η = 28.1	x: 0 m η = 0.5	x: 0.75 m η = 0.3										



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	N ₁	N ₂	M ₁	M ₂	V ₂	V ₁	M ₁ V ₁	M ₁ V ₂	NM ₁ M ₂	NM ₁ M ₂ V ₂	M ₁	M ₁ V ₂	M ₁ V ₁		
N932/N933	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 25.5	x: 0.75 m η = 0.6	x: 0.75 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 26.2	
N933/N708	x: 0.449 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 20.8	x: 0.449 m η = 0.3	x: 0.449 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 21.1	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 21.1	
N704/N989	x: 0.75 m η = 0.9	x: 0 m η = 10.6	x: 0.75 m η = 9.7	x: 0.75 m η = 1.6	x: 0 m η = 1.0	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 15.4	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 15.4	
N989/N990	x: 0.75 m η = 0.8	x: 0 m η = 9.3	x: 0.75 m η = 17.2	x: 0 m η = 0.8	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 17.3	η < 0.1	η = 1.1	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 17.3	
N990/N991	x: 0.75 m η = 0.8	x: 0 m η = 8.4	x: 0.75 m η = 23.2	x: 0 m η = 0.8	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 23.3	η < 0.1	η = 0.9	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 23.3	
N991/N992	x: 0.75 m η = 0.7	x: 0 m η = 7.5	x: 0.75 m η = 27.9	x: 0 m η = 0.8	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.9	η < 0.1	η = 0.8	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 27.9	
N992/N993	x: 0.75 m η = 0.6	x: 0 m η = 6.6	x: 0.75 m η = 31.0	x: 0 m η = 0.8	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.0	η < 0.1	η = 0.7	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 31.0	
N993/N994	x: 0.75 m η = 0.6	x: 0 m η = 5.7	x: 0.75 m η = 32.6	x: 0 m η = 0.8	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 32.7	η < 0.1	η = 0.7	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 32.7	
N994/N995	x: 0.75 m η = 0.5	x: 0 m η = 4.9	x: 0.375 m η = 32.9	x: 0 m η = 0.8	x: 0 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.375 m η = 32.9	η < 0.1	η = 0.7	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 32.9	
N995/N996	x: 0.75 m η = 0.4	x: 0 m η = 0.4	x: 0 m η = 32.7	x: 0 m η = 0.8	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 32.8	η < 0.1	η = 0.6	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	CUMPLE η = 32.8	
N996/N997	x: 0.75 m η = 0.4	x: 0 m η = 0.3	x: 0 m η = 31.4	x: 0 m η = 0.8	x: 0.75 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.5	η < 0.1	η = 0.6	x: 0.75 m η = 0.3	x: 0.75 m η = 0.3	CUMPLE η = 31.5	
N997/N709	x: 0.945 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 28.6	x: 0 m η = 1.0	x: 0.945 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 28.8	η < 0.1	η = 0.4	x: 0.945 m η = 0.5	x: 0.945 m η = 0.5	CUMPLE η = 28.8	
N703/N1010	x: 0.75 m η = 0.6	x: 0 m η = 6.3	x: 0.75 m η = 9.3	x: 0.75 m η = 1.1	x: 0 m η = 1.0	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.3	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.3	
N1010/N1011	x: 0.75 m η = 0.5	x: 0 m η = 5.4	x: 0.75 m η = 16.6	x: 0 m η = 0.5	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.9	η < 0.1	η = 0.7	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.9	
N1011/N1012	x: 0.75 m η = 0.5	x: 0 m η = 4.9	x: 0.75 m η = 22.5	x: 0 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.8	η < 0.1	η = 0.6	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 22.8	
N1012/N1013	x: 0.75 m η = 0.4	x: 0 m η = 0.4	x: 0.75 m η = 26.9	x: 0 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.2	η < 0.1	η = 0.5	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 27.2	
N1013/N1014	x: 0.75 m η = 0.4	x: 0 m η = 0.4	x: 0.75 m η = 29.8	x: 0 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.1	η < 0.1	η = 0.5	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 30.1	
N1014/N1015	x: 0.75 m η = 0.3	x: 0 m η = 0.3	x: 0.75 m η = 31.2	x: 0 m η = 0.5	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.5	η < 0.1	η = 0.4	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 31.5	
N1015/N1016	x: 0.75 m η = 0.3	x: 0 m η = 0.3	x: 0.375 m η = 31.3	x: 0 m η = 0.5	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.4	η < 0.1	η = 0.4	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 31.4	
N1016/N1017	x: 0.75 m η = 0.2	x: 0 m η = 0.2	x: 0 m η = 31.1	x: 0 m η = 0.5	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.3	η < 0.1	η = 0.4	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	CUMPLE η = 31.3	
N1017/N1018	x: 0.75 m η = 0.2	x: 0 m η = 0.1	x: 0 m η = 29.5	x: 0 m η = 0.5	x: 0.75 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.7	η < 0.1	η = 0.3	x: 0.75 m η = 0.4	x: 0.75 m η = 0.4	CUMPLE η = 29.7	
N1018/N710	x: 0.704 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 26.4	x: 0 m η = 0.5	x: 0.704 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.6	η < 0.1	η = 0.2	x: 0.704 m η = 0.5	x: 0.704 m η = 0.5	CUMPLE η = 26.6	
N702/N1033	x: 0.75 m η = 0.8	x: 0.75 m η = 5.2	x: 0.75 m η = 8.9	x: 0.75 m η = 1.9	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 12.7	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 12.7	
N1033/N1034	x: 0.75 m η = 0.7	x: 0.75 m η = 0.4	x: 0.75 m η = 16.3	x: 0 m η = 1.0	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 18.5	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 18.5	
N1034/N1035	x: 0.75 m η = 0.6	x: 0.75 m η = 0.4	x: 0.75 m η = 22.2	x: 0 m η = 1.0	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 24.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 24.2	
N1035/N1036	x: 0.75 m η = 0.5	x: 0.75 m η = 0.3	x: 0.75 m η = 26.6	x: 0 m η = 1.0	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 28.5	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 28.5	
N1036/N1037	x: 0.75 m η = 0.5	x: 0.75 m η = 0.3	x: 0.75 m η = 29.4	x: 0 m η = 1.0	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.3	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 31.3	
N1037/N1038	x: 0.75 m η = 0.4	x: 0.75 m η = 0.2	x: 0.75 m η = 30.7	x: 0 m η = 1.0	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 32.5	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 32.5	
N1038/N1039	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.188 m η = 30.8	x: 0 m η = 1.0	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 32.5	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 32.5	
N1039/N1040	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0 m η = 30.5	x: 0 m η = 1.0	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 32.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 32.2	
N1040/N1041	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	x: 0 m η = 28.8	x: 0.75 m η = 1.0	x: 0.75 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.4	η < 0.1	η = 0.1	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	CUMPLE η = 30.4	
N1041/N711	x: 0.456 m η = 0.1	x: 0.456 m η < 0.1	x: 0 m η = 25.6	x: 0.456 m η = 0.6	x: 0.456 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.6	η < 0.1	η = 0.2	x: 0.456 m η = 0.5	x: 0.456 m η = 0.5	CUMPLE η = 26.6	
N701/N1057	x: 0 m η = 0.4	x: 0 m η = 7.0	x: 0.75 m η = 8.8	x: 0.75 m η = 1.0	x: 0 m η = 0.9	η < 0.1	x: 0.187 m η < 0.1	x: 0.187 m η < 0.1	x: 0.75 m η = 16.6	x: 0.187 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 16.6	
N1057/N1058	x: 0 m η = 0.4	x: 0 m η = 6.1	x: 0.75 m η = 15.6	x: 0 m η = 0.5	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.6	η < 0.1	η = 0.6	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 21.6	
N1058/N1059	x: 0 m η = 0.3	x: 0 m η = 5.4	x: 0.75 m η = 21.0	x: 0 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.2	η < 0.1	η = 0.5	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 26.2	
N1059/N1060	x: 0 m η = 0.3	x: 0 m η = 4.8	x: 0.75 m η = 24.9	x: 0 m η = 0.5	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.563 m η = 28.3	η < 0.1	η = 0.4	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 28.3	
N1060/N1061	x: 0 m η = 0.3	x: 0 m η = 0.4	x: 0.75 m η = 27.4	x: 0 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 28.5	η < 0.1	η = 0.4	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 28.5	
N1061/N1062	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 28.2	x: 0 m η = 0.5	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.3	η < 0.1	η = 0.4	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 29.3	
N1062/N1063	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0 m η = 28.2	x: 0 m η = 0.5	x: 0.75 m η = 0.1	η < 0.1	η < 0								



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCODIGO 3 EN 1993-1-1: 2005)														Estado
	N ₁	N ₂	M ₁	M ₂	V ₂	V ₁	M.V ₂	M.V ₁	NM.M ₂	NM.M ₁ V.V ₂	M ₁	M.V ₂	M.V ₁		
N1101/N1102	x: 0.75 m η = 0.4	x: 0.75 m η = 0.2	x: 0.75 m η = 15.8	x: 0 m η = 0.6	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 17.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 17.2	
N1102/N1103	x: 0.75 m η = 0.4	x: 0.75 m η = 0.2	x: 0.75 m η = 21.4	x: 0 m η = 0.7	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.7	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 22.7	
N1103/N1104	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.75 m η = 25.5	x: 0 m η = 0.7	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.7	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 26.7	
N1104/N1105	x: 0.75 m η = 0.3	x: 0.75 m η = 0.1	x: 0.75 m η = 28.1	x: 0 m η = 0.6	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.3	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 29.3	
N1105/N1106	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0.75 m η = 29.1	x: 0 m η = 0.6	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 30.2	
N1106/N1107	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0.188 m η = 29.1	x: 0 m η = 0.6	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.2	η < 0.1	η = 0.1	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 30.2	
N1107/N1108	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	x: 0 m η = 28.6	x: 0 m η = 0.6	x: 0.75 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.7	η < 0.1	η = 0.2	x: 0.75 m η = 0.3	x: 0.75 m η = 0.3	CUMPLE η = 29.7	
N1108/N714	x: 0.484 m η = 0.1	x: 0.484 m η < 0.1	x: 0 m η = 26.7	x: 0 m η = 0.4	x: 0.484 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 27.4	η < 0.1	η = 0.3	x: 0.484 m η = 0.3	x: 0.484 m η = 0.3	CUMPLE η = 27.4	
N698/N1123	x: 0 m η = 0.3	x: 0 m η = 6.4	x: 0.75 m η = 9.2	x: 0.75 m η = 1.4	x: 0 m η = 1.0	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 17.1	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 17.1	
N1123/N1124	x: 0 m η = 0.2	x: 0 m η = 5.2	x: 0.75 m η = 16.3	x: 0.75 m η = 0.7	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.8	η < 0.1	η = 0.7	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 21.8	
N1124/N1125	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 21.9	x: 0 m η = 0.7	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 23.4	η < 0.1	η = 0.7	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 23.4	
N1125/N1126	x: 0.75 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 25.9	x: 0 m η = 0.7	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.3	η < 0.1	η = 0.8	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 27.3	
N1126/N1127	x: 0.75 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 28.4	x: 0.75 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.5	η < 0.1	η = 1.0	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 29.5	
N1127/N1128	x: 0.75 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 29.2	x: 0 m η = 0.6	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.3	η < 0.1	η = 1.1	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 30.3	
N1128/N1129	x: 0.75 m η = 0.2	x: 0 m η = 0.2	x: 0 m η = 29.2	x: 0 m η = 0.6	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.2	η < 0.1	η = 1.1	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 30.2	
N1129/N715	x: 0.991 m η = 0.2	x: 0 m η = 0.2	x: 0 m η = 28.5	x: 0 m η = 0.7	x: 0.991 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.7	η < 0.1	η = 0.9	x: 0.991 m η = 0.3	x: 0.991 m η = 0.3	CUMPLE η = 29.7	
N697/N1144	x: 0.75 m η < 0.1	x: 0.75 m η < 0.1	x: 0.75 m η = 8.7	x: 0.75 m η = 0.3	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.375 m η < 0.1	x: 0.75 m η = 9.2	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.2	
N1144/N1145	x: 0.75 m η < 0.1	x: 0.75 m η = 0.1	x: 0.75 m η = 16.1	x: 0.75 m η = 0.1	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.3	η < 0.1	η = 0.5	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.3	
N1145/N1146	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	x: 0.75 m η = 21.8	x: 0.75 m η = 0.1	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.1	η < 0.1	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 22.1	
N1146/N1147	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	x: 0.75 m η = 25.7	x: 0.75 m η = 0.2	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.1	η < 0.1	η = 0.3	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 26.1	
N1147/N1148	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	x: 0.75 m η = 28.9	x: 0 m η = 0.4	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.5	η < 0.1	η = 1.0	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 29.5	
N1148/N1149	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0.75 m η = 30.4	x: 0.75 m η = 0.3	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.0	η < 0.1	η = 1.4	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 31.0	
N1149/N1150	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0.375 m η = 30.5	x: 0.75 m η = 0.3	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.9	η < 0.1	η = 1.4	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 30.9	
N1150/N716	x: 0.754 m η = 0.2	x: 0.754 m η = 0.1	x: 0 m η = 30.2	x: 0.754 m η = 0.3	x: 0.754 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.9	η < 0.1	η = 1.2	x: 0.754 m η = 0.2	x: 0.754 m η = 0.2	CUMPLE η = 30.9	
N696/N1166	x: 0.75 m η = 0.6	x: 0 m η = 0.3	x: 0.75 m η = 8.9	x: 0.75 m η = 1.8	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.7	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.7	
N1166/N1167	x: 0.75 m η = 0.5	x: 0.75 m η = 0.2	x: 0.75 m η = 16.3	x: 0 m η = 0.9	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 17.4	η < 0.1	η = 0.3	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 17.4	
N1167/N1168	x: 0.75 m η = 0.4	x: 0.75 m η = 0.2	x: 0.75 m η = 22.2	x: 0 m η = 0.9	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 23.2	η < 0.1	η = 0.3	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 23.2	
N1168/N1169	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.75 m η = 26.5	x: 0 m η = 0.9	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.5	η < 0.1	η = 0.2	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 27.5	
N1169/N1170	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.75 m η = 29.3	x: 0 m η = 0.9	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.3	η < 0.1	η = 0.2	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 30.3	
N1170/N1171	x: 0.75 m η = 0.3	x: 0.75 m η = 0.1	x: 0.75 m η = 30.6	x: 0 m η = 0.9	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.5	η < 0.1	η = 0.2	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 31.5	
N1171/N1172	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0.188 m η = 30.7	x: 0.75 m η = 0.9	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.5	η < 0.1	η = 0.3	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 31.5	
N1172/N717	x: 0.517 m η = 0.2	x: 0.517 m η = 0.1	x: 0 m η = 30.4	x: 0.517 m η = 0.6	x: 0.517 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.1	η < 0.1	η = 0.4	x: 0.517 m η = 0.2	x: 0.517 m η = 0.2	CUMPLE η = 31.1	
N695/N1188	x: 0.75 m η = 0.8	x: 0 m η = 7.1	x: 0.75 m η = 9.3	x: 0.75 m η = 0.9	x: 0 m η = 1.0	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.8	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.8	
N1188/N1189	x: 0.75 m η = 0.7	x: 0 m η = 6.3	x: 0.75 m η = 16.2	x: 0 m η = 0.5	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.4	η < 0.1	η = 1.1	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 16.4	
N1189/N1190	x: 0.75 m η = 0.7	x: 0 m η = 5.8	x: 0.75 m η = 21.7	x: 0 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.9	η < 0.1	η = 0.9	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.9	
N1190/N1191	x: 0.75 m η = 0.6	x: 0 m η = 5.3	x: 0.75 m η = 25.8	x: 0 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m							



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)													Estado
	N ₁	N ₂	M ₁	M ₂	V ₂	V ₁	M ₁ V ₂	M ₂ V ₁	NM ₁ M ₂	NM ₁ M ₂ V ₂	M ₁	M ₂ V ₁	M ₁ V ₂	
N1247/N1248	x: 0 m η = 0.4	x: 0 m η = 6.6	x: 0.75 m η = 28.6	x: 0 m η = 0.4	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 33.8	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 33.8
N1248/N1249	x: 0 m η = 0.4	x: 0 m η = 6.3	x: 0.75 m η = 29.6	x: 0 m η = 0.4	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 34.6	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 34.6
N1249/N720	x: 0 m η = 0.3	x: 0 m η = 0.6	x: 0 m η = 29.6	x: 0.571 m η = 0.2	x: 0.571 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.3	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 30.3
N908/N707	N _{ed} = 0.00 N.P. ⁽²⁾	N _{ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.2	x: 0 m η < 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 1.8	x: 0 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 1.8
N894/N909	x: 0 m η = 0.4	x: 0 m η = 7.4	x: 0.75 m η = 4.8	x: 0.75 m η = 0.9	x: 0 m η = 0.5	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 12.7	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 12.7
N909/N910	x: 0 m η = 0.3	x: 0 m η = 6.0	x: 0.75 m η = 8.6	x: 0.75 m η = 0.5	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 14.3	η < 0.1	η = 0.2	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 14.3
N910/N908	x: 0 m η = 0.3	x: 0 m η = 5.1	x: 0.772 m η = 11.5	x: 0 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.386 m η = 14.6	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 14.6
N897/N911	x: 0.75 m η = 0.3	x: 0.75 m η = 0.2	x: 0.75 m η = 8.7	x: 0.75 m η = 0.9	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.3	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.3
N911/N912	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	x: 0.75 m η = 15.6	x: 0 m η = 0.5	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.5	η < 0.1	η = 0.1	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 16.5
N912/N913	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	x: 0.75 m η = 21.1	x: 0 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.0	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 22.0
N913/N914	x: 0.75 m η = 0.2	x: 0.75 m η = 0.1	x: 0.75 m η = 25.1	x: 0 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 25.9	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 25.9
N914/N915	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	x: 0.75 m η = 27.6	x: 0 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 28.4	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 28.4
N915/N916	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	x: 0.75 m η = 28.6	x: 0.75 m η = 0.5	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.4	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 29.4
N916/N917	x: 0.75 m η = 0.1	x: 0 m η = 0.1	x: 0.188 m η = 28.6	x: 0 m η = 0.5	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.4	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 29.4
N917/N918	x: 0.75 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 28.1	x: 0 m η = 0.5	x: 0.75 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 28.8	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 28.8
N918/N919	x: 0.75 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 26.1	x: 0 m η = 0.5	x: 0.75 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.8	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 26.8
N919/N920	x: 0.75 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 22.5	x: 0 m η = 0.5	x: 0.75 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 23.3	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 23.3
N920/N908	x: 0.698 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 17.5	x: 0.698 m η = 0.4	x: 0.698 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 18.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 18.2
N921/N708	N _{ed} = 0.00 N.P. ⁽²⁾	N _{ed} = 0.00 N.P. ⁽²⁾	x: 0 m η = 0.1	x: 0 m η = 1.3	x: 0 m η = 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 2.0	x: 0 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 2.0
N923/N936	x: 0.75 m η = 0.6	x: 0 m η = 5.0	x: 0.75 m η = 9.0	x: 0.75 m η = 1.1	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.5	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.5
N936/N937	x: 0.75 m η = 0.6	x: 0 m η = 0.4	x: 0.75 m η = 16.3	x: 0 m η = 0.6	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 17.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 17.2
N937/N938	x: 0.75 m η = 0.5	x: 0 m η = 0.4	x: 0.75 m η = 22.1	x: 0 m η = 0.6	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 23.0	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 23.0
N938/N939	x: 0.75 m η = 0.5	x: 0 m η = 0.4	x: 0.75 m η = 26.5	x: 0 m η = 0.6	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.3	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 27.3
N939/N940	x: 0.75 m η = 0.4	x: 0 m η = 0.3	x: 0.75 m η = 29.3	x: 0 m η = 0.6	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.1	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 30.1
N940/N941	x: 0.75 m η = 0.4	x: 0 m η = 0.3	x: 0.75 m η = 30.6	x: 0 m η = 0.6	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.4	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 31.4
N941/N942	x: 0.75 m η = 0.3	x: 0 m η = 0.2	x: 0.188 m η = 30.7	x: 0 m η = 0.6	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.4	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 31.4
N942/N943	x: 0.75 m η = 0.3	x: 0 m η = 0.2	x: 0 m η = 30.4	x: 0 m η = 0.6	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.1	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 31.1
N943/N944	x: 0.75 m η = 0.2	x: 0 m η = 0.2	x: 0 m η = 28.7	x: 0 m η = 0.6	x: 0.75 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.4	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 29.4
N944/N945	x: 0.75 m η = 0.2	x: 0 m η = 0.1	x: 0 m η = 25.5	x: 0.75 m η = 0.6	x: 0.75 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.1	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 26.1
N945/N921	x: 0.449 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 20.7	x: 0.449 m η = 0.3	x: 0.449 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 21.1	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 21.1
N922/N946	x: 0 m η = 0.3	x: 0 m η = 6.2	x: 0.75 m η = 6.6	x: 0.75 m η = 1.1	x: 0 m η = 0.7	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 13.2	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.2
N946/N947	x: 0 m η = 0.3	x: 0 m η = 5.0	x: 0.75 m η = 12.2	x: 0.75 m η = 0.6	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 13.3	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.3
N947/N921	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.819 m η = 17.2	x: 0.819 m η = 0.6	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.819 m η = 18.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 18.2
N950/N709	N _{ed} = 0.00 N.P. ⁽²⁾	N _{ed} = 0.00 N.P. ⁽²⁾	x: 0 m η = 0.1	x: 0 m η = 3.1	x: 0 m η = 0.1	η = 0.3	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 4.6	x: 0 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4.6
N951/N710	N _{ed} = 0.00 N.P. ⁽²⁾	N _{ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 2.0	x: 0 m η < 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 3.0	x: 0 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 3.0
N952/N711	N _{ed} = 0.00 N.P. ⁽²⁾	N _{ed} = 0.00												



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	N _x	N _y	M _x	M _y	V _x	V _y	M _x V _x	M _y V _y	NM _x M _y	NM _x V _x	M _x	M _y V _y	M _y V _x		
N1004/N1005	x: 0.75 m η = 0.2	x: 0 m η = 0.2	x: 0.75 m η = 32.5	x: 0 m η = 0.8	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 32.6	η < 0.1	η = 0.7	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 32.6	
N1005/N1006	x: 0.75 m η = 0.2	x: 0 m η = 0.1	x: 0.375 m η = 32.8	x: 0 m η = 0.8	x: 0 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.375 m η = 32.8	η < 0.1	η = 0.7	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 32.8	
N1006/N1007	x: 0.75 m η = 0.1	x: 0 m η < 0.1	x: 0 m η = 32.7	x: 0 m η = 0.8	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 32.7	η < 0.1	η = 0.6	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	CUMPLE η = 32.7	
N1007/N1008	x: 0.75 m η = 0.1	x: 0.75 m η < 0.1	x: 0 m η = 31.2	x: 0 m η = 0.8	x: 0.75 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.3	η < 0.1	η = 0.6	x: 0.75 m η = 0.4	x: 0.75 m η = 0.4	CUMPLE η = 31.3	
N1008/N950	x: 0.945 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 28.2	x: 0 m η = 1.0	x: 0.945 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 28.4	η < 0.1	η = 0.4	x: 0.945 m η = 0.6	x: 0.945 m η = 0.6	CUMPLE η = 28.4	
N948/N998	x: 0.75 m η = 0.3	x: 0 m η = 5.2	x: 0.75 m η = 8.2	x: 0.75 m η = 1.6	x: 0 m η = 0.8	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.0	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.0	
N998/N999	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 15.4	x: 0 m η = 0.8	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 15.7	η < 0.1	η = 0.4	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 15.7	
N999/N950	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.876 m η = 22.1	x: 0 m η = 0.9	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.876 m η = 22.4	η < 0.1	η = 0.2	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 22.4	
N962/N1019	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 7.9	x: 0.75 m η = 1.1	x: 0 m η = 0.8	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 8.7	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 8.7	
N1019/N1020	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 14.7	x: 0 m η = 0.5	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 15.1	η < 0.1	η = 0.2	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 15.1	
N1020/N951	x: 0 m η = 0.1	x: 0 m η = 4.6	x: 0.996 m η = 21.5	x: 0 m η = 0.7	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.996 m η = 22.0	η < 0.1	η = 0.1	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 22.0	
N973/N1021	x: 0.75 m η = 0.4	x: 0 m η = 5.6	x: 0.75 m η = 8.7	x: 0.75 m η = 1.1	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.3	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.3	
N1021/N1022	x: 0.75 m η = 0.3	x: 0 m η = 0.4	x: 0.75 m η = 16.3	x: 0 m η = 0.5	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.7	η < 0.1	η = 0.7	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.7	
N1022/N1023	x: 0.75 m η = 0.3	x: 0 m η = 0.4	x: 0.75 m η = 22.3	x: 0 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.7	η < 0.1	η = 0.6	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 22.7	
N1023/N1024	x: 0.75 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 26.8	x: 0 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.2	η < 0.1	η = 0.5	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 27.2	
N1024/N1025	x: 0.75 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 29.7	x: 0 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.1	η < 0.1	η = 0.5	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 30.1	
N1025/N1026	x: 0.75 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 31.1	x: 0 m η = 0.5	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.4	η < 0.1	η = 0.4	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 31.4	
N1026/N1027	x: 0.75 m η = 0.1	x: 0 m η = 0.1	x: 0.375 m η = 31.3	x: 0 m η = 0.5	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.4	η < 0.1	η = 0.4	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 31.4	
N1027/N1028	x: 0.75 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 31.0	x: 0 m η = 0.5	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.3	η < 0.1	η = 0.4	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	CUMPLE η = 31.3	
N1028/N1029	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.3	x: 0 m η = 0.5	x: 0.75 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.5	η < 0.1	η = 0.3	x: 0.75 m η = 0.4	x: 0.75 m η = 0.4	CUMPLE η = 29.5	
N1029/N951	x: 0.704 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.1	x: 0 m η = 0.5	x: 0.704 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.2	η < 0.1	η = 0.2	x: 0.704 m η = 0.5	x: 0.704 m η = 0.5	CUMPLE η = 26.2	
N974/N1045	x: 0 m η = 0.6	x: 0 m η = 11.2	x: 0.75 m η = 8.9	x: 0.75 m η = 1.9	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 22.2	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 22.2	
N1045/N1046	x: 0 m η = 0.5	x: 0 m η = 9.6	x: 0.75 m η = 16.3	x: 0 m η = 1.0	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.0	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 26.0	
N1046/N1047	x: 0 m η = 0.5	x: 0 m η = 8.4	x: 0.75 m η = 22.2	x: 0 m η = 1.0	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.4	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 30.4	
N1047/N1048	x: 0 m η = 0.4	x: 0 m η = 7.3	x: 0.75 m η = 26.6	x: 0 m η = 1.0	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 33.6	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 33.6	
N1048/N1049	x: 0 m η = 0.3	x: 0 m η = 6.1	x: 0.75 m η = 29.4	x: 0 m η = 1.0	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 35.4	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 35.4	
N1049/N1050	x: 0 m η = 0.3	x: 0 m η = 4.9	x: 0.75 m η = 30.7	x: 0 m η = 1.0	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 35.8	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 35.8	
N1050/N1051	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.188 m η = 30.8	x: 0 m η = 1.0	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 32.6	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 32.6	
N1051/N1052	x: 0 m η = 0.1	x: 0 m η = 0.3	x: 0 m η = 30.5	x: 0 m η = 1.0	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 32.2	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 32.2	
N1052/N1053	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 28.7	x: 0.75 m η = 1.0	x: 0.75 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.3	η < 0.1	η = 0.1	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	CUMPLE η = 30.3	
N1053/N952	x: 0.456 m η < 0.1	x: 0 m η = 0.1	x: 0 m η = 25.3	x: 0.456 m η = 0.6	x: 0.456 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.2	η < 0.1	η = 0.2	x: 0.456 m η = 0.5	x: 0.456 m η = 0.5	CUMPLE η = 26.2	
N963/N1042	x: 0.75 m η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 7.9	x: 0.75 m η = 1.9	x: 0 m η = 0.8	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.8	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.8	
N1042/N1043	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0.75 m η = 14.9	x: 0.75 m η = 1.0	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.4	η < 0.1	η = 0.7	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 16.4	
N1043/N1044	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0.75 m η = 20.4	x: 0.75 m η = 1.0	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.0	η < 0.1	η = 0.5	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 22.0	
N1044/N952	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.365 m η = 22.5	x: 0.365 m η = 0.5	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.365 m η = 23.4	η < 0.1	η = 0.3	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 23.4	
N964/N1065	x: 0 m η = 0.4	x: 0 m η = 5.9	x: 0.75 m η = 7.5	x: 0.75 m η = 1.0	x: 0 m η = 0.8	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 14.2	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 14.2	
N1065/N1066	x: 0 m η = 0.3	x: 0 m η = 4.8	x: 0.75 m η = 13.4	x: 0.75 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 14.6	η < 0.1	η = 0.4	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 14.6	
N1066/N1067	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 18.0	x: 0 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 19.1	η < 0.1	η = 0.3	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 19.1	
N1067/N953	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.521 m η = 20.3	x: 0 m η = 0.4	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η <							



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCODIGO 3 EN 1993-1-1: 2005)															Estado
	N ₁	N ₂	M ₁	M ₂	V ₂	V ₁	M ₁ V ₂	M ₂ V ₁	NM ₁ M ₂	NM ₁ M ₂ V ₂	M ₁	M ₂ V ₁	M ₁ V ₂			
N1092/N1093	x: 0.75 m η = 0.1	x: 0.75 m η < 0.1	x: 0.75 m η = 26.1	x: 0 m η = 0.2	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.5	η < 0.1	η = 0.4	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 26.5		
N1093/N1094	x: 0.75 m η < 0.1	x: 0.75 m η < 0.1	x: 0.75 m η = 28.8	x: 0 m η = 0.2	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.2	η < 0.1	η = 0.4	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 29.2		
N1094/N1095	x: 0.75 m η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.0	x: 0 m η = 0.2	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.4	η < 0.1	η = 0.3	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 30.4		
N1095/N1096	x: 0.75 m η < 0.1	x: 0 m η < 0.1	x: 0.187 m η = 30.1	x: 0 m η = 0.2	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.4	η < 0.1	η = 0.2	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 30.4		
N1096/N1097	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0 m η = 29.6	x: 0.75 m η = 0.2	x: 0.75 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.0	η < 0.1	η = 0.2	x: 0.75 m η = 0.3	x: 0.75 m η = 0.3	CUMPLE η = 30.0		
N1097/N954	x: 0 m η < 0.1	x: 0 m η = 0.1	x: 0 m η = 27.7	x: 0.721 m η = 0.2	x: 0.721 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 28.1	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 28.1		
N965/N1087	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 8.2	x: 0.75 m η = 0.5	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.3	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.3		
N1087/N1088	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 15.2	x: 0.75 m η = 0.2	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 15.9	η < 0.1	η = 0.2	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 15.9		
N1088/N1089	x: 0 m η = 0.1	x: 0 m η = 0.3	x: 0.75 m η = 20.7	x: 0 m η = 0.2	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.3	η < 0.1	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.3		
N1089/N954	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.676 m η = 24.3	x: 0 m η = 0.2	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.676 m η = 24.8	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 24.8		
N966/N1109	x: 0.75 m η = 0.1	x: 0 m η = 0.1	x: 0.75 m η = 7.8	x: 0.75 m η = 1.3	x: 0 m η = 0.8	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.8	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.8		
N1109/N1110	x: 0.75 m η = 0.1	x: 0 m η = 0.1	x: 0.75 m η = 14.8	x: 0.75 m η = 0.6	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 15.7	η < 0.1	η = 0.9	x: 0 m η = 0.7	x: 0 m η = 0.7	CUMPLE η = 15.7		
N1110/N1111	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0.75 m η = 20.1	x: 0 m η = 0.6	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.1	η < 0.1	η = 0.7	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.1		
N1111/N955	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0.858 m η = 24.3	x: 0.858 m η = 0.7	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.858 m η = 25.5	η < 0.1	η = 0.5	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 25.5		
N977/N1112	x: 0 m η = 0.4	x: 0 m η = 7.2	x: 0.75 m η = 8.7	x: 0.75 m η = 1.3	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 17.2	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 17.2		
N1112/N1113	x: 0 m η = 0.3	x: 0 m η = 6.0	x: 0.75 m η = 15.8	x: 0 m η = 0.6	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.0	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 22.0		
N1113/N1114	x: 0 m η = 0.3	x: 0 m η = 5.2	x: 0.75 m η = 21.4	x: 0 m η = 0.7	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.6	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 26.6		
N1114/N1115	x: 0 m η = 0.3	x: 0 m η = 0.4	x: 0.75 m η = 25.5	x: 0 m η = 0.7	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.9	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 26.9		
N1115/N1116	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 28.0	x: 0 m η = 0.6	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.3	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 29.3		
N1116/N1117	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 29.0	x: 0 m η = 0.6	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.2	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 30.2		
N1117/N1118	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 29.0	x: 0 m η = 0.6	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.2	η < 0.1	η = 0.1	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 30.2		
N1118/N1119	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 28.5	x: 0 m η = 0.6	x: 0.75 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.6	η < 0.1	η = 0.2	x: 0.75 m η = 0.3	x: 0.75 m η = 0.3	CUMPLE η = 29.6		
N1119/N955	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0 m η = 26.3	x: 0 m η = 0.4	x: 0.484 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 27.0	η < 0.1	η = 0.3	x: 0.484 m η = 0.3	x: 0.484 m η = 0.3	CUMPLE η = 27.0		
N978/N1133	x: 0.75 m η = 0.1	x: 0.75 m η < 0.1	x: 0.75 m η = 8.6	x: 0.75 m η = 1.4	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.8	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.8		
N1133/N1134	x: 0.75 m η < 0.1	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0.75 m η = 16.1	x: 0.75 m η = 0.7	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 17.2	η < 0.1	η = 0.7	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 17.2		
N1134/N1135	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.1	x: 0 m η = 0.7	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 23.1	η < 0.1	η = 0.7	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 23.1		
N1135/N1136	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0.75 m η = 26.6	x: 0.75 m η = 0.7	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.8	η < 0.1	η = 0.8	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 27.8		
N1136/N1137	x: 0 m η = 0.1	x: 0 m η = 0.1	x: 0.75 m η = 28.6	x: 0 m η = 0.6	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.6	η < 0.1	η = 1.0	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 29.6		
N1137/N1138	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.563 m η = 29.2	x: 0 m η = 0.6	x: 0 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.2	η < 0.1	η = 1.1	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 30.2		
N1138/N1139	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 29.2	x: 0 m η = 0.6	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.3	η < 0.1	η = 1.1	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	CUMPLE η = 30.3		
N1139/N956	x: 0 m η = 0.2	x: 0 m η = 4.8	x: 0 m η = 28.2	x: 0 m η = 0.7	x: 0.991 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 33.0	η < 0.1	η = 0.9	x: 0.991 m η = 0.4	x: 0.991 m η = 0.4	CUMPLE η = 33.0		
N967/N1130	x: 0 m η = 0.4	x: 0 m η = 7.3	x: 0.75 m η = 8.2	x: 0.75 m η = 1.1	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 16.6	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 16.6		
N1130/N1131	x: 0 m η = 0.3	x: 0 m η = 6.2	x: 0.75 m η = 14.9	x: 0 m η = 0.6	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.0	η < 0.1	η = 0.3	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 21.0		
N1131/N1132	x: 0 m η = 0.3	x: 0 m η = 5.4	x: 0.75 m η = 20.0	x: 0 m η = 0.6	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 25.2	η < 0.1	η = 0.2	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 25.2		
N1132/N956	x: 0 m η = 0.2	x: 0 m η = 8.2	x: 1.037 m η = 24.3	x: 0 m η = 0.8	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 1.037 m η = 31.6	η < 0.1	η = 0.4	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 31.6		
N968/N1151	x: 0 m η = 0.3	x: 0 m η = 6.0	x: 0.75 m η = 8.7	x: 0.75 m η = 0.6	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 15.1	x: 0.188 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 15.1		
N1151/N1152	x: 0 m η = 0.3	x: 0 m η = 5.4	x: 0.75 m η = 15.9	x: 0 m η = 0.3	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 20.9	η < 0.1	η = 0.2	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 20.9		
N1152/N1153	x: 0 m η = 0.2	x: 0 m η = 4.9	x: 0.75 m η = 21.5	x: 0 m η = 0.3	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 25.8	η < 0.1	η = 0.2	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 25.8		
N1153/N1154	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 25.3	x: 0 m η = 0.5	x: 0 m η = 0.4	η < 0.1										



Listados

VESTUARIOS RANILLAS

Fecha: 13/04/20

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	N ₁	N ₂	M ₁	M ₂	V ₂	V ₁	M.V ₂	M.V ₁	NM.M ₂	NM.M ₁ V.V ₂	M ₁	M.V ₂	M.V ₁		
N1179/N1180	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 26.5	x: 0 m η = 0.9	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.5	η < 0.1	η = 0.2	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 27.5	
N1180/N1181	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 29.2	x: 0 m η = 0.9	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.2	η < 0.1	η = 0.2	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 30.2	
N1181/N1182	x: 0 m η = 0.1	x: 0 m η = 0.3	x: 0.75 m η = 30.4	x: 0 m η = 0.9	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 31.3	η < 0.1	η = 0.2	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 31.3	
N1182/N1183	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.188 m η = 30.4	x: 0.75 m η = 0.9	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 31.3	η < 0.1	η = 0.3	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 31.3	
N1183/N958	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 29.9	x: 0.517 m η = 0.6	x: 0.517 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 30.6	η < 0.1	η = 0.4	x: 0.517 m η = 0.2	x: 0.517 m η = 0.2	CUMPLE η = 30.6	
N969/N1173	x: 0.75 m η = 0.4	x: 0 m η = 0.4	x: 0.75 m η = 8.2	x: 0.75 m η = 1.8	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.6	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.6	
N1173/N1174	x: 0.75 m η = 0.3	x: 0 m η = 0.3	x: 0.75 m η = 15.9	x: 0.75 m η = 0.9	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.7	η < 0.1	η = 1.4	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.7	
N1174/N1175	x: 0.75 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 21.9	x: 0 m η = 0.9	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.6	η < 0.1	η = 1.1	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 22.6	
N1175/N1176	x: 0.75 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 26.1	x: 0 m η = 0.9	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.0	η < 0.1	η = 0.9	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 27.0	
N1176/N958	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.687 m η = 28.6	x: 0.687 m η = 0.8	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.687 m η = 29.4	η < 0.1	η = 0.7	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 29.4	
N970/N1194	x: 0.75 m η = 0.3	x: 0 m η = 4.9	x: 0.75 m η = 8.5	x: 0.75 m η = 0.9	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 9.0	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.0	
N1194/N1195	x: 0.75 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 15.7	x: 0.75 m η = 0.5	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.0	η < 0.1	η = 0.6	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.0	
N1195/N1196	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 21.3	x: 0.75 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.5	η < 0.1	η = 0.3	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.5	
N1196/N1197	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 25.2	x: 0.75 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 25.5	η < 0.1	η = 0.3	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 25.5	
N1197/N959	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.897 m η = 27.8	x: 0.897 m η = 0.6	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.897 m η = 28.0	η < 0.1	η = 0.1	x: 0 m η = 0.1	x: 0 m η = 0.1	CUMPLE η = 28.0	
N981/N1198	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 8.2	x: 0.75 m η = 0.9	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 8.6	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 8.6	
N1198/N1199	x: 0 m η = 0.2	x: 0 m η = 0.2	x: 0.75 m η = 15.7	x: 0 m η = 0.5	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 15.9	η < 0.1	η = 1.1	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 15.9	
N1199/N1200	x: 0 m η = 0.2	x: 0 m η = 0.2	x: 0.75 m η = 21.5	x: 0 m η = 0.5	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 21.7	η < 0.1	η = 0.9	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 21.7	
N1200/N1201	x: 0 m η = 0.2	x: 0 m η = 0.2	x: 0.75 m η = 25.6	x: 0 m η = 0.5	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 25.8	η < 0.1	η = 0.8	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 25.8	
N1201/N1202	x: 0 m η = 0.2	x: 0 m η = 0.2	x: 0.75 m η = 28.2	x: 0 m η = 0.5	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 28.4	η < 0.1	η = 0.7	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 28.4	
N1202/N1203	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0.75 m η = 29.1	x: 0 m η = 0.5	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.3	η < 0.1	η = 0.6	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 29.3	
N1203/N1204	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 29.1	x: 0 m η = 0.5	x: 0.75 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 29.4	η < 0.1	η = 0.5	x: 0.75 m η = 0.1	x: 0.75 m η = 0.1	CUMPLE η = 29.4	
N1204/N959	x: 0 m η = 0.1	x: 0 m η = 0.2	x: 0 m η = 28.4	x: 0 m η = 0.2	x: 0.283 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 28.7	η < 0.1	η = 0.3	x: 0.283 m η = 0.2	x: 0.283 m η = 0.2	CUMPLE η = 28.7	
N982/N1222	x: 0 m η = 0.3	x: 0 m η = 5.3	x: 0.749 m η = 8.5	x: 0.749 m η = 0.4	x: 0 m η = 0.9	η < 0.1	x: 0.187 m η < 0.1	x: 0.375 m η < 0.1	x: 0.749 m η = 13.8	x: 0.187 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 13.8	
N1222/N1223	x: 0 m η = 0.3	x: 0 m η = 5.0	x: 0.749 m η = 16.0	x: 0 m η = 0.2	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.749 m η = 20.3	η < 0.1	η = 0.7	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 20.3	
N1223/N1224	x: 0 m η = 0.3	x: 0 m η = 4.8	x: 0.749 m η = 21.9	x: 0 m η = 0.2	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.749 m η = 25.8	η < 0.1	η = 0.6	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 25.8	
N1224/N1225	x: 0 m η = 0.3	x: 0 m η = 0.4	x: 0.749 m η = 26.1	x: 0 m η = 0.2	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.749 m η = 26.6	η < 0.1	η = 0.5	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 26.6	
N1225/N1226	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.749 m η = 28.8	x: 0 m η = 0.2	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.749 m η = 29.2	η < 0.1	η = 0.5	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 29.2	
N1226/N1227	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.749 m η = 29.8	x: 0 m η = 0.2	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.749 m η = 30.2	η < 0.1	η = 0.4	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 30.2	
N1227/N984	x: 0 m η = 0.2	x: 0 m η = 4.6	x: 0 m η = 29.8	x: 0 m η = 0.2	x: 0.807 m η = 0.1	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 33.6	η < 0.1	η = 0.1	x: 0.807 m η = 0.1	x: 0.807 m η = 0.1	CUMPLE η = 33.6	
N971/N1217	x: 0 m η = 0.2	x: 0 m η = 0.3	x: 0.75 m η = 8.5	x: 0.75 m η = 0.4	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.375 m η < 0.1	x: 0.75 m η = 9.3	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.3	
N1217/N1218	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 16.0	x: 0.75 m η = 0.2	x: 0 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.5	η < 0.1	η = 0.7	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.5	
N1218/N1219	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 21.8	x: 0.75 m η = 0.1	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.3	η < 0.1	η = 0.5	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 22.3	
N1219/N1220	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 26.0	x: 0.75 m η = 0.2	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 26.5	η < 0.1	η = 0.4	x: 0 m η = 0.5	x: 0 m η = 0.5	CUMPLE η = 26.5	
N1220/N1221	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.75 m η = 28.5	x: 0.75 m η = 0.2	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 29.0	η < 0.1	η = 0.2	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 29.0	
N1221/N984	x: 0 m η = 0.2	x: 0 m η = 0.4	x: 0.362 m η = 29.1	M _{ed} = 0.00 N.P. ⁽²⁾	x: 0 m η = 0.2	η < 0.1	η < 0.1	N.P. ⁽⁵⁾	x: 0.362 m η = 29.5	η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 29.5	
N985/N1228	x: 0.75 m η = 0.4	x: 0.75 m η = 0.2	x: 0.75 m η = 9.1	x: 0.75 m η = 0.8	x: 0 m η = 0.9	η < 0.1	x: 0.188 m η < 0.1	x: 0.188 m η < 0.1	x: 0.75 m η = 10.0	x: 0.188 m η < 0.1	M _{ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 10.0	
N1228/N1229	x: 0.75 m η = 0.5	x: 0.75 m η = 0.2	x: 0.75 m η = 16.0	x: 0.75 m η = 0.4	x: 0 m η = 0.7	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 16.8	η < 0.1	η = 0.8	x: 0 m η = 0.8	x: 0 m η = 0.8	CUMPLE η = 16.8	
N1229/N1230	x: 0.75 m η = 0.5	x: 0.75 m η = 0.3	x: 0.75 m η = 21.7	x: 0.75 m η = 0.4	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 22.5	η <					

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)													Estado
	N _t	N _c	M _t	M _c	V ₂	V ₁	M·V ₂	M·V ₁	NM·M _t	NM·M _c ·V ₂	M _t	M·V ₂	M·V ₁	
N1257/N1258	η = 0.6	η = 0.4	x: 0.75 m η = 22.5	x: 0 m η = 0.4	x: 0 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 23.0	η < 0.1	η = 0.3	x: 0 m η = 0.6	x: 0 m η = 0.6	CUMPLE η = 23.0
N1258/N1259	η = 0.6	η = 0.4	x: 0.75 m η = 27.0	x: 0.75 m η = 0.4	x: 0 m η = 0.5	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 27.5	η < 0.1	η = 0.1	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 27.5
N1259/N1260	η = 0.5	η = 0.4	x: 0.75 m η = 30.1	x: 0.75 m η = 0.4	x: 0 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 30.7	η < 0.1	η = 0.2	x: 0 m η = 0.4	x: 0 m η = 0.4	CUMPLE η = 30.7
N1260/N1261	η = 0.5	η = 0.3	x: 0.75 m η = 32.3	x: 0.75 m η = 0.4	x: 0 m η = 0.3	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.75 m η = 32.8	η < 0.1	η = 0.9	x: 0 m η = 0.3	x: 0 m η = 0.3	CUMPLE η = 32.8
N1261/N961	η = 0.5	η = 0.3	x: 0.346 m η = 33.0	x: 0.346 m η = 0.2	x: 0 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0.346 m η = 33.5	η < 0.1	η = 1.8	x: 0 m η = 0.2	x: 0 m η = 0.2	CUMPLE η = 33.5
N961/N1271	η = 0.5	η = 0.3	x: 0 m η = 29.3	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0.806 m η = 0.3	η < 0.1	η < 0.1	N.P. ⁽⁵⁾	x: 0 m η = 29.8	η < 0.1	η = 2.3	x: 0.806 m η = 0.3	x: 0.806 m η = 0.3	CUMPLE η = 29.8
N1271/N1270	η = 0.5	η = 0.3	x: 0 m η = 27.0	x: 0 m η = 0.4	x: 0.75 m η = 0.2	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 27.6	η < 0.1	η = 1.4	x: 0.75 m η = 0.2	x: 0.75 m η = 0.2	CUMPLE η = 27.6
N1270/N1269	η = 0.5	η = 0.3	x: 0 m η = 25.5	x: 0.75 m η = 0.4	x: 0.75 m η = 0.4	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 26.1	η < 0.1	η = 0.4	x: 0.75 m η = 0.4	x: 0.75 m η = 0.4	CUMPLE η = 26.1
N1269/N1268	η = 0.5	η = 0.3	x: 0 m η = 21.7	x: 0.75 m η = 0.4	x: 0.75 m η = 0.6	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 22.3	η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 22.3
N1268/N1267	η = 0.5	η = 0.3	x: 0 m η = 16.1	x: 0.75 m η = 0.4	x: 0.75 m η = 0.8	η < 0.1	η < 0.1	x: 0 m η < 0.1	x: 0 m η = 16.7	η < 0.1	η = 0.3	x: 0.75 m η = 0.8	x: 0.75 m η = 0.8	CUMPLE η = 16.7
N1267/N972	η = 0.5	η = 0.3	x: 0 m η = 8.7	x: 0 m η = 0.8	x: 0.75 m η = 0.9	η < 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 9.5	x: 0 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 9.5
N920/N907	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.4	x: 0.1 m η < 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0.1 m η = 2.2	x: 0 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 2.2
N945/N933	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.5	x: 0.1 m η < 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 2.2	x: 0 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 2.2
N919/N906	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.5	x: 0.1 m η < 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 2.3	x: 0 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 2.3
N944/N932	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.8	x: 0.1 m η < 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 2.8	x: 0 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 2.8
N918/N905	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.5	x: 0.1 m η < 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m					

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	N _t	N _c	M _t	M _c	V ₂	V _t	M _t V ₂	M _c V _t	NM,M ₂	NM,M ₂ V ₂	M _t	M ₂ V _t	M _t V _t		
N1052/N1040	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 3,1	x: 0 m η = 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,8	x: 0 m η < 0,1	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4,8	
N1074/N1063	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 1,6	x: 0,1 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,4	x: 0 m η < 0,1	η = 0,3	x: 0,1 m η < 0,1	x: 0,1 m η < 0,1	CUMPLE η = 2,4	
N1051/N1039	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 3,2	x: 0 m η = 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,8	x: 0 m η < 0,1	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4,8	
N1050/N1038	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 3,2	x: 0 m η = 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,8	x: 0 m η < 0,1	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4,8	
N1073/N1062	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 1,6	x: 0,1 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,4	x: 0 m η < 0,1	η = 0,3	x: 0,1 m η < 0,1	x: 0,1 m η < 0,1	CUMPLE η = 2,4	
N1072/N1061	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 1,6	x: 0,1 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,4	x: 0 m η < 0,1	η = 0,3	x: 0,1 m η < 0,1	x: 0,1 m η < 0,1	CUMPLE η = 2,4	
N1049/N1037	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 3,2	x: 0 m η = 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,8	x: 0 m η < 0,1	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4,8	
N1048/N1036	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 3,2	x: 0 m η = 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,8	x: 0 m η < 0,1	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4,8	
N1071/N1060	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 1,6	x: 0,1 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,4	x: 0 m η < 0,1	η = 0,3	x: 0,1 m η < 0,1	x: 0,1 m η < 0,1	CUMPLE η = 2,4	
N1047/N1035	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 3,2	x: 0 m η = 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,8	x: 0 m η < 0,1	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4,8	
N1070/N1059	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 1,6	x: 0,1 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,1	x: 0 m η < 0,1	η = 0,4	x: 0,1 m η < 0,1	x: 0,1 m η < 0,1	CUMPLE η = 2,1	
N1069/N1058	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 1,7	x: 0,1 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,1	x: 0 m η < 0,1	η = 0,4	x: 0,1 m η < 0,1	x: 0,1 m η < 0,1	CUMPLE η = 2,1	
N1046/N1034	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 3,2	x: 0 m η = 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,9	x: 0 m η < 0,1	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 4,9	
N1045/N1033	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 4,8	x: 0 m η = 0,1	η = 0,4	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 7,3	x: 0 m η < 0,1	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 7,3	
N1068/N1057	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0 m η = 2,3	x: 0,1 m η = 0,1	η = 0,2	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 3,6	x: 0 m η < 0,1	η = 0,6	x: 0,1 m η = 0,1	x: 0,1 m η = 0,1	CUMPLE η = 3,6	
N1119/N1108	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 1,7	x: 0 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,6	x: 0 m η < 0,1	η = 0,2	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 2,6	
N1097/N1086	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	M _{Ed} = 0,00 N.P. ⁽⁴⁾	x: 0 m η = 0,8	x: 0 m η < 0,1	η = 0,1	N.P. ⁽⁵⁾	x: 0 m η < 0,1	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 0,8	
N1096/N1085	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	M _{Ed} = 0,00 N.P. ⁽⁴⁾	x: 0 m η = 0,8	x: 0,1 m η < 0,1	η = 0,1	N.P. ⁽⁵⁾	x: 0 m η < 0,1	N.P.						

Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)														Estado
	N _t	N _c	M _t	M _c	V ₂	V ₁	M _t V ₂	M _c V ₁	NM,M _t	NM,M _c V ₂	M _t	M _c V ₂	M _c V ₁		
N1181/N1170	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 2,9	x: 0 m η < 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,4	x: 0 m η < 0,1	η = 0,2	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 4,4	
N1180/N1169	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 3,0	x: 0 m η < 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,4	x: 0 m η < 0,1	η = 0,2	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 4,4	
N1201/N1191	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	M _{Ed} = 0,00 N.P. ⁽⁴⁾	x: 0 m η = 1,5	x: 0 m η < 0,1	η = 0,1	N.P. ⁽⁵⁾	x: 0 m η < 0,1	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	η = 0,8	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 1,5	
N1200/N1190	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 1,5	x: 0 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,3	x: 0 m η < 0,1	η = 0,9	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 2,3	
N1179/N1168	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 3,0	x: 0 m η < 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 4,4	x: 0 m η < 0,1	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 4,4	
N1178/N1167	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	M _{Ed} = 0,00 N.P. ⁽⁴⁾	x: 0 m η = 3,0	x: 0 m η < 0,1	η = 0,3	N.P. ⁽⁵⁾	x: 0 m η < 0,1	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	η = 0,3	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 3,0	
N1177/N1166	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0,1 m η = 4,4	x: 0 m η = 0,1	η = 0,4	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0,1 m η = 6,7	x: 0 m η < 0,1	η = 0,4	x: 0 m η = 0,1	x: 0 m η = 0,1	CUMPLE η = 6,7	
N1199/N1189	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 1,5	x: 0 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 2,3	x: 0 m η < 0,1	η = 1,0	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 2,3	
N1198/N1188	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0,1 m η = 2,3	x: 0,1 m η = 0,1	η = 0,2	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0,1 m η = 3,5	x: 0 m η < 0,1	η = 1,3	x: 0,1 m η = 0,1	x: 0,1 m η = 0,1	CUMPLE η = 3,5	
N1222/N1211	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η = 0,1	x: 0,1 m η = 1,0	x: 0,1 m η = 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0,1 m η = 1,5	x: 0 m η < 0,1	η = 0,9	x: 0,1 m η = 0,1	x: 0,1 m η = 0,1	CUMPLE η = 1,5	
N1244/N1233	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0,1 m η = 1,9	x: 0,1 m η < 0,1	η = 0,2	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 1,5	x: 0 m η < 0,1	η = 0,2	x: 0,1 m η < 0,1	x: 0,1 m η < 0,1	CUMPLE η = 1,9	
N1245/N1234	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	M _{Ed} = 0,00 N.P. ⁽⁴⁾	x: 0 m η = 1,3	x: 0 m η < 0,1	η = 0,1	N.P. ⁽⁵⁾	x: 0 m η < 0,1	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	M _{Ed} = 0,00 N.P. ⁽²⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 1,3	
N1223/N1212	N _{Ed} = 0,00 N.P. ⁽¹⁾	N _{Ed} = 0,00 N.P. ⁽²⁾	x: 0 m η < 0,1	x: 0 m η = 0,6	x: 0 m η < 0,1	η = 0,1	x: 0 m η < 0,1	x: 0 m η < 0,1	x: 0 m η = 0,5	x: 0 m η < 0,1	η = 0,7	x: 0 m η < 0,1	x: 0 m η < 0,1	CUMPLE η = 0,7	
N1224/N1213	N														

Barras	COMPROBACIONES (EUROCODIGO 3 EN 1993-1-1: 2005)													Estado
	N _t	N _c	M _t	M _c	V _z	V _y	M _t V _z	M _t V _y	NM _t M _c	NM _t M _y V _z	M _t	M _t V _z	M _t V _y	
N1130/N1120	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η = 0.1	x: 0 m η = 2.7	x: 0 m η = 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 4.1	x: 0 m η < 0.1	η = 0.3	x: 0 m η < 0.1	x: 0 m η = 0.1	CUMPLE η = 4.1
N1131/N1121	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.8	x: 0 m η = 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 2.8	x: 0 m η < 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 2.8
N1132/N1122	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η = 0.1	x: 0 m η = 2.1	x: 0 m η = 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 3.2	x: 0 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽³⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 3.2
N1176/N1165	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 2.8	x: 0 m η < 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 4.2	x: 0 m η < 0.1	η = 0.8	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 4.2
N1197/N1187	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.6	x: 0 m η < 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 0.3	x: 0 m η < 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 1.6
N1153/N1142	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η = 0.1	x: 0 m η = 1.2	x: 0 m η = 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 1.9	x: 0 m η < 0.1	M _{Ed} = 0.00 N.P. ⁽³⁾	N.P. ⁽³⁾	N.P. ⁽³⁾	CUMPLE η = 1.9
N1175/N1164	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 2.9	x: 0 m η < 0.1	η = 0.3	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 4.4	x: 0 m η < 0.1	η = 1.0	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 4.4
N1196/N1186	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η = 1.5	x: 0 m η < 0.1	η = 0.1	N.P. ⁽⁵⁾	x: 0 m η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	η = 0.3	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 1.5
N1152/N1141	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.0	x: 0 m η < 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 1.5	x: 0 m η < 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 1.5
N1174/N1163	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 3.0	x: 0 m η < 0.1	η = 0.3	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 4.5	x: 0 m η < 0.1	η = 1.3	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 4.5
N1195/N1185	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	M _{Ed} = 0.00 N.P. ⁽⁴⁾	x: 0 m η = 1.5	x: 0 m η < 0.1	η = 0.1	N.P. ⁽⁵⁾	x: 0 m η < 0.1	N.P. ⁽⁶⁾	N.P. ⁽⁶⁾	η = 0.4	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 1.5
N1151/N1140	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η < 0.1	x: 0 m η = 1.5	x: 0 m η < 0.1	η = 0.1	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 2.3	x: 0 m η < 0.1	η = 0.3	x: 0 m η < 0.1	x: 0 m η < 0.1	CUMPLE η = 2.3
N1173/N1162	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η = 0.2	x: 0 m η = 4.4	x: 0.1 m η = 0.2	η = 0.4	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 6.6	x: 0 m η < 0.1	η = 1.7	x: 0.1 m η = 0.2	x: 0.1 m η = 0.2	CUMPLE η = 6.6
N1194/N1184	N _{Ed} = 0.00 N.P. ⁽¹⁾	N _{Ed} = 0.00 N.P. ⁽²⁾	x: 0 m η = 0.1	x: 0 m η = 2.2	x: 0.1 m η = 0.1	η = 0.2	x: 0 m η < 0.1	x: 0 m η < 0.1	x: 0 m η = 3.4	x: 0 m η < 0.1	η = 0.5	x: 0.1 m η = 0.1	x: 0.1 m η = 0.1	CUMPLE η = 3



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Listados

VESTUARIOS RANILLAS

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Barras	COMPROBACIONES (EUROCÓDIGO 3 EN 1993-1-1: 2005)													Estado
	N_t	N_c	M_y	M_z	V_z	V_y	$M_y V_z$	$M_z V_y$	NM, M_z	$NM, M_y V_z$	M_t	$M_y V_z$	$M_z V_y$	
N1398/N1391	$\eta = 2.1$	$\eta = 13.2$	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$x: 0 \text{ m}$ $\eta < 0.1$	$V_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 13.2$
N1399/N1398	$\eta = 2.1$	$\eta = 13.3$	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$x: 0 \text{ m}$ $\eta < 0.1$	$V_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 13.3$
N1400/N1399	$\eta = 2.1$	$\eta = 13.3$	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$x: 0 \text{ m}$ $\eta < 0.1$	$V_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 13.3$
N1401/N1400	$\eta = 2.1$	$\eta = 13.3$	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$x: 0 \text{ m}$ $\eta < 0.1$	$V_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 13.3$
N1397/N1401	$\eta = 2.1$	$\eta = 13.3$	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$x: 0 \text{ m}$ $\eta < 0.1$	$V_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$V_{Ed} = 0.00$ N.P. ⁽⁵⁾	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 13.3$
N1404/N568	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$N.P.(5)$	$N.P.(5)$	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	NO PROCEDE
N567/N1404	$N_{Ed} = 0.00$ N.P. ⁽¹⁾	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$N.P.(5)$	$N.P.(5)$	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	NO PROCEDE
N589/N586	$\eta = 29.0$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$N.P.(5)$	$N.P.(5)$	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 29.0$
N586/N590	$\eta = 44.1$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$N.P.(5)$	$N.P.(5)$	$N.P.(8)$	$N.P.(9)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 44.1$
N211/N1407	$\eta = 4.7$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$x: 0 \text{ m}$ $\eta < 0.1$	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$N.P.(5)$	$N.P.(5)$	$N.P.(8)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 4.7$
N1407/N509	$\eta = 4.7$	$N_{Ed} = 0.00$ N.P. ⁽⁷⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$M_{Ed} = 0.00$ N.P. ⁽⁴⁾	$x: 0 \text{ m}$ $\eta < 0.1$	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$V_{Ed} = 0.00$ N.P. ⁽⁶⁾	$N.P.(5)$	$N.P.(5)$	$N.P.(8)$	$M_{Ed} = 0.00$ N.P. ⁽²⁾	$N.P.(3)$	$N.P.(3)$	CUMPLE $\eta = 4.7$

Notación:

λ_w : Abolladura del alma inducida por el ala comprimida
 N_t : Resistencia a tracción
 N_c : Resistencia a compresión
 M_y : Resistencia a flexión eje Y
 M_z : Resistencia a flexión eje Z
 V_z : Resistencia a corte Z
 V_y : Resistencia a corte Y
 $M_y V_z$: Resistencia a momento flector Y y fuerza cortante Z combinados
 $M_z V_y$: Resistencia a momento flector Z y fuerza cortante Y combinados
 NM, M_z : Resistencia a flexión y axil combinados
 $NM, M_y V_z$: Resistencia a flexión, axil y cortante combinados
 M_t : Resistencia a torsión
 $M_y V_z$: Resistencia a cortante Z y momento torsor combinados
 $M_z V_y$: Resistencia a cortante Y y momento torsor combinados
 x : Distancia al origen de la barra
 η : Coeficiente de aprovechamiento (%)
 $N.P.$: No procede

Comprobaciones que no proceden (N.P.):

- ⁽¹⁾ La comprobación no procede, ya que no hay axil de tracción.
- ⁽²⁾ La comprobación no procede, ya que no hay momento torsor.
- ⁽³⁾ No hay interacción entre momento torsor y esfuerzo cortante para ninguna combinación. Por lo tanto, la comprobación no procede.
- ⁽⁴⁾ La comprobación no procede, ya que no hay momento flector.
- ⁽⁵⁾ No hay interacción entre momento flector y esfuerzo cortante para ninguna combinación. Por lo tanto, la comprobación no procede.
- ⁽⁶⁾ La comprobación no procede, ya que no hay esfuerzo cortante.
- ⁽⁷⁾ La comprobación no procede, ya que no hay axil de compresión.
- ⁽⁸⁾ No hay interacción entre axil y momento flector ni entre momentos flectores en ambas direcciones para ninguna combinación. Por lo tanto, la comprobación no procede.
- ⁽⁹⁾ No hay interacción entre momento flector, axil y cortante para ninguna combinación. Por lo tanto, la comprobación no procede.

PROYECTO

ESTRUCTURA METÁLICA PARA AMPLIACIÓN DEL EDIFICIO DE VESTUARIOS DEL CAMPO MUNICIPAL DE FÚTBOL DE RANILLAS EN ZARAGOZA

ANEXO CIMENTACIÓN

ANEXO

PROMOTOR: Ayuntamiento de Zaragoza

SITUACIÓN: C/ Clara Campoamor nº34, 50018 Zaragoza

FECHA: abril de 2020

AUTOR: Pablo Jesús Pinedo Hernández
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Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

1.- DATOS GENERALES DE LA ESTRUCTURA

Proyecto: Losa cimentación Ranillas

Clave: Losa cimentación Ranillas

2.- NORMAS CONSIDERADAS

Hormigón: EHE-08

Aceros conformados: Eurocódigos 3 y 4

Aceros laminados y armados: Eurocódigos 3 y 4

Categoría de uso: C. Zonas de acceso al público

3.- ACCIONES CONSIDERADAS

3.1.- Viento

Se ha tenido en cuenta la acción del viento mediante cargas aplicadas en las siguientes hipótesis: 'V 1', 'V 2', 'V 3', 'V 4', 'V p' y 'V s'.

3.2.- Sismo

Sin acción de sismo

3.3.- Hipótesis de carga

Automáticas	Peso propio Cargas muertas Sobrecarga de uso	
Adicionales	Referencia	Naturaleza
	CM 1	Peso propio
	Q 1	Sobrecarga de uso
	V 1	Viento
	V 2	Viento
	V 3	Viento
	V 4	Viento
	V p	Viento
	V s	Viento

4.- ESTADOS LÍMITE

E.L.U. de rotura. Hormigón	CTE
E.L.U. de rotura. Hormigón en cimentaciones	Cota de nieve: Altitud inferior o igual a 1000 m
E.L.U. de rotura. Acero conformado	EC
E.L.U. de rotura. Acero laminado	Nieve: Altitud inferior o igual a 1000 m
Tensiones sobre el terreno	Acciones características
Desplazamientos	

5.- SITUACIONES DE PROYECTO

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



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

- Con coeficientes de combinación

$$\sum_{j \geq 1} \gamma_{Gj} G_{kj} + \gamma_P P_k + \gamma_{Q1} \Psi_{p1} Q_{k1} + \sum_{i > 1} \gamma_{Qi} \Psi_{ai} Q_{ki}$$

- Sin coeficientes de combinación

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

- Donde:

G_k Acción permanente

P_k Acción de pretensado

Q_k Acción variable

γ_G Coeficiente parcial de seguridad de las acciones permanentes

γ_P Coeficiente parcial de seguridad de la acción de pretensado

$\gamma_{Q,1}$ Coeficiente parcial de seguridad de la acción variable principal

$\gamma_{Q,i}$ Coeficiente parcial de seguridad de las acciones variables de acompañamiento

$\Psi_{p,1}$ Coeficiente de combinación de la acción variable principal

$\Psi_{a,i}$ Coeficiente de combinación de las acciones variables de acompañamiento

5.1.- Coeficientes parciales de seguridad (γ) y coeficientes de combinación (ψ)

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

E.L.U. de rotura. Hormigón: EHE-08

E.L.U. de rotura. Acero conformado: Eurocódigos 3 y 4

E.L.U. de rotura. Acero laminado: Eurocódigos 3 y 4

Persistente o transitoria				
	Coeficientes parciales de seguridad (γ)		Coeficientes de combinación (ψ)	
	Favorable	Desfavorable	Principal (ψ_p)	Acompañamiento (ψ_a)
Carga permanente (G)	1.000	1.350	-	-
Sobrecarga (Q)	0.000	1.500	1.000	0.700
Viento (Q)	0.000	1.500	1.000	0.600

E.L.U. de rotura. Hormigón en cimentaciones: EHE-08 / CTE DB-SE C

Persistente o transitoria				
	Coeficientes parciales de seguridad (γ)		Coeficientes de combinación (ψ)	
	Favorable	Desfavorable	Principal (ψ_p)	Acompañamiento (ψ_a)
Carga permanente (G)	1.000	1.600	-	-
Sobrecarga (Q)	0.000	1.600	1.000	0.700
Viento (Q)	0.000	1.600	1.000	0.600



Listado de datos de la obra

Losa cimentación Ranillas

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Tensiones sobre el terreno

Característica				
	Coeficientes parciales de seguridad (γ)		Coeficientes de combinación (ψ)	
	Favorable	Desfavorable	Principal (ψ_p)	Acompañamiento (ψ_s)
Carga permanente (G)	1.000	1.000	-	-
Sobrecarga (Q)	0.000	1.000	1.000	1.000
Viento (Q)	0.000	1.000	1.000	1.000

Desplazamientos

Característica				
	Coeficientes parciales de seguridad (γ)		Coeficientes de combinación (ψ)	
	Favorable	Desfavorable	Principal (ψ_p)	Acompañamiento (ψ_s)
Carga permanente (G)	1.000	1.000	-	-
Sobrecarga (Q)	0.000	1.000	1.000	1.000
Viento (Q)	0.000	1.000	1.000	1.000

5.2.- Combinaciones

▪ Nombres de las hipótesis

PP Peso propio
CM Cargas muertas
CM 1 CM 1
Qa Sobrecarga de uso
Q 1 Q 1
V 1 V 1
V 2 V 2
V 3 V 3
V 4 V 4
V p V p
V s V s

▪ E.L.U. de rotura. Hormigón

▪ E.L.U. de rotura. Acero conformado

▪ E.L.U. de rotura. Acero laminado



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
1	1.000	1.000	1.000								
2	1.350	1.350	1.000								
3	1.000	1.000	1.350								
4	1.350	1.350	1.350								
5	1.000	1.000	1.000	1.500							
6	1.350	1.350	1.000	1.500							
7	1.000	1.000	1.350	1.500							
8	1.350	1.350	1.350	1.500							
9	1.000	1.000	1.000		1.500						
10	1.350	1.350	1.000		1.500						
11	1.000	1.000	1.350		1.500						
12	1.350	1.350	1.350		1.500						
13	1.000	1.000	1.000	1.500	1.500						
14	1.350	1.350	1.000	1.500	1.500						
15	1.000	1.000	1.350	1.500	1.500						
16	1.350	1.350	1.350	1.500	1.500						
17	1.000	1.000	1.000			1.500					
18	1.350	1.350	1.000			1.500					
19	1.000	1.000	1.350			1.500					
20	1.350	1.350	1.350			1.500					
21	1.000	1.000	1.000	1.050		1.500					
22	1.350	1.350	1.000	1.050		1.500					
23	1.000	1.000	1.350	1.050		1.500					
24	1.350	1.350	1.350	1.050		1.500					
25	1.000	1.000	1.000		1.050	1.500					
26	1.350	1.350	1.000		1.050	1.500					
27	1.000	1.000	1.350		1.050	1.500					
28	1.350	1.350	1.350		1.050	1.500					
29	1.000	1.000	1.000	1.050	1.050	1.500					
30	1.350	1.350	1.000	1.050	1.050	1.500					
31	1.000	1.000	1.350	1.050	1.050	1.500					
32	1.350	1.350	1.350	1.050	1.050	1.500					
33	1.000	1.000	1.000	1.500		0.900					
34	1.350	1.350	1.000	1.500		0.900					
35	1.000	1.000	1.350	1.500		0.900					
36	1.350	1.350	1.350	1.500		0.900					
37	1.000	1.000	1.000		1.500	0.900					
38	1.350	1.350	1.000		1.500	0.900					
39	1.000	1.000	1.350		1.500	0.900					
40	1.350	1.350	1.350		1.500	0.900					
41	1.000	1.000	1.000	1.500	1.500	0.900					
42	1.350	1.350	1.000	1.500	1.500	0.900					
43	1.000	1.000	1.350	1.500	1.500	0.900					
44	1.350	1.350	1.350	1.500	1.500	0.900					
45	1.000	1.000	1.000				1.500				
46	1.350	1.350	1.000				1.500				
47	1.000	1.000	1.350				1.500				



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
48	1.350	1.350	1.350				1.500				
49	1.000	1.000	1.000	1.050			1.500				
50	1.350	1.350	1.000	1.050			1.500				
51	1.000	1.000	1.350	1.050			1.500				
52	1.350	1.350	1.350	1.050			1.500				
53	1.000	1.000	1.000		1.050		1.500				
54	1.350	1.350	1.000		1.050		1.500				
55	1.000	1.000	1.350		1.050		1.500				
56	1.350	1.350	1.350		1.050		1.500				
57	1.000	1.000	1.000	1.050	1.050		1.500				
58	1.350	1.350	1.000	1.050	1.050		1.500				
59	1.000	1.000	1.350	1.050	1.050		1.500				
60	1.350	1.350	1.350	1.050	1.050		1.500				
61	1.000	1.000	1.000	1.500			0.900				
62	1.350	1.350	1.000	1.500			0.900				
63	1.000	1.000	1.350	1.500			0.900				
64	1.350	1.350	1.350	1.500			0.900				
65	1.000	1.000	1.000		1.500		0.900				
66	1.350	1.350	1.000		1.500		0.900				
67	1.000	1.000	1.350		1.500		0.900				
68	1.350	1.350	1.350		1.500		0.900				
69	1.000	1.000	1.000	1.500	1.500		0.900				
70	1.350	1.350	1.000	1.500	1.500		0.900				
71	1.000	1.000	1.350	1.500	1.500		0.900				
72	1.350	1.350	1.350	1.500	1.500		0.900				
73	1.000	1.000	1.000					1.500			
74	1.350	1.350	1.000					1.500			
75	1.000	1.000	1.350					1.500			
76	1.350	1.350	1.350					1.500			
77	1.000	1.000	1.000	1.050				1.500			
78	1.350	1.350	1.000	1.050				1.500			
79	1.000	1.000	1.350	1.050				1.500			
80	1.350	1.350	1.350	1.050				1.500			
81	1.000	1.000	1.000		1.050			1.500			
82	1.350	1.350	1.000		1.050			1.500			
83	1.000	1.000	1.350		1.050			1.500			
84	1.350	1.350	1.350		1.050			1.500			
85	1.000	1.000	1.000	1.050	1.050			1.500			
86	1.350	1.350	1.000	1.050	1.050			1.500			
87	1.000	1.000	1.350	1.050	1.050			1.500			
88	1.350	1.350	1.350	1.050	1.050			1.500			
89	1.000	1.000	1.000	1.500				0.900			
90	1.350	1.350	1.000	1.500				0.900			
91	1.000	1.000	1.350	1.500				0.900			
92	1.350	1.350	1.350	1.500				0.900			
93	1.000	1.000	1.000		1.500			0.900			
94	1.350	1.350	1.000		1.500			0.900			
95	1.000	1.000	1.350		1.500			0.900			



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
96	1.350	1.350	1.350		1.500			0.900			
97	1.000	1.000	1.000	1.500	1.500			0.900			
98	1.350	1.350	1.000	1.500	1.500			0.900			
99	1.000	1.000	1.350	1.500	1.500			0.900			
100	1.350	1.350	1.350	1.500	1.500			0.900			
101	1.000	1.000	1.000						1.500		
102	1.350	1.350	1.000						1.500		
103	1.000	1.000	1.350						1.500		
104	1.350	1.350	1.350						1.500		
105	1.000	1.000	1.000	1.050					1.500		
106	1.350	1.350	1.000	1.050					1.500		
107	1.000	1.000	1.350	1.050					1.500		
108	1.350	1.350	1.350	1.050					1.500		
109	1.000	1.000	1.000		1.050				1.500		
110	1.350	1.350	1.000		1.050				1.500		
111	1.000	1.000	1.350		1.050				1.500		
112	1.350	1.350	1.350		1.050				1.500		
113	1.000	1.000	1.000	1.050	1.050				1.500		
114	1.350	1.350	1.000	1.050	1.050				1.500		
115	1.000	1.000	1.350	1.050	1.050				1.500		
116	1.350	1.350	1.350	1.050	1.050				1.500		
117	1.000	1.000	1.000	1.500					0.900		
118	1.350	1.350	1.000	1.500					0.900		
119	1.000	1.000	1.350	1.500					0.900		
120	1.350	1.350	1.350	1.500					0.900		
121	1.000	1.000	1.000		1.500				0.900		
122	1.350	1.350	1.000		1.500				0.900		
123	1.000	1.000	1.350		1.500				0.900		
124	1.350	1.350	1.350		1.500				0.900		
125	1.000	1.000	1.000	1.500	1.500				0.900		
126	1.350	1.350	1.000	1.500	1.500				0.900		
127	1.000	1.000	1.350	1.500	1.500				0.900		
128	1.350	1.350	1.350	1.500	1.500				0.900		
129	1.000	1.000	1.000							1.500	
130	1.350	1.350	1.000							1.500	
131	1.000	1.000	1.350							1.500	
132	1.350	1.350	1.350							1.500	
133	1.000	1.000	1.000	1.050						1.500	
134	1.350	1.350	1.000	1.050						1.500	
135	1.000	1.000	1.350	1.050						1.500	
136	1.350	1.350	1.350	1.050						1.500	
137	1.000	1.000	1.000		1.050					1.500	
138	1.350	1.350	1.000		1.050					1.500	
139	1.000	1.000	1.350		1.050					1.500	
140	1.350	1.350	1.350		1.050					1.500	
141	1.000	1.000	1.000	1.050	1.050					1.500	
142	1.350	1.350	1.000	1.050	1.050					1.500	
143	1.000	1.000	1.350	1.050	1.050					1.500	



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
144	1.350	1.350	1.350	1.050	1.050					1.500	
145	1.000	1.000	1.000	1.500						0.900	
146	1.350	1.350	1.000	1.500						0.900	
147	1.000	1.000	1.350	1.500						0.900	
148	1.350	1.350	1.350	1.500						0.900	
149	1.000	1.000	1.000		1.500					0.900	
150	1.350	1.350	1.000		1.500					0.900	
151	1.000	1.000	1.350		1.500					0.900	
152	1.350	1.350	1.350		1.500					0.900	
153	1.000	1.000	1.000	1.500	1.500					0.900	
154	1.350	1.350	1.000	1.500	1.500					0.900	
155	1.000	1.000	1.350	1.500	1.500					0.900	
156	1.350	1.350	1.350	1.500	1.500					0.900	
157	1.000	1.000	1.000								1.500
158	1.350	1.350	1.000								1.500
159	1.000	1.000	1.350								1.500
160	1.350	1.350	1.350								1.500
161	1.000	1.000	1.000	1.050							1.500
162	1.350	1.350	1.000	1.050							1.500
163	1.000	1.000	1.350	1.050							1.500
164	1.350	1.350	1.350	1.050							1.500
165	1.000	1.000	1.000		1.050						1.500
166	1.350	1.350	1.000		1.050						1.500
167	1.000	1.000	1.350		1.050						1.500
168	1.350	1.350	1.350		1.050						1.500
169	1.000	1.000	1.000	1.050	1.050						1.500
170	1.350	1.350	1.000	1.050	1.050						1.500
171	1.000	1.000	1.350	1.050	1.050						1.500
172	1.350	1.350	1.350	1.050	1.050						1.500
173	1.000	1.000	1.000	1.500							0.900
174	1.350	1.350	1.000	1.500							0.900
175	1.000	1.000	1.350	1.500							0.900
176	1.350	1.350	1.350	1.500							0.900
177	1.000	1.000	1.000		1.500						0.900
178	1.350	1.350	1.000		1.500						0.900
179	1.000	1.000	1.350		1.500						0.900
180	1.350	1.350	1.350		1.500						0.900
181	1.000	1.000	1.000	1.500	1.500						0.900
182	1.350	1.350	1.000	1.500	1.500						0.900
183	1.000	1.000	1.350	1.500	1.500						0.900
184	1.350	1.350	1.350	1.500	1.500						0.900



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

▪ **E.L.U. de rotura. Hormigón en cimentaciones**



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
1	1.000	1.000	1.000								
2	1.600	1.600	1.000								
3	1.000	1.000	1.600								
4	1.600	1.600	1.600								
5	1.000	1.000	1.000	1.600							
6	1.600	1.600	1.000	1.600							
7	1.000	1.000	1.600	1.600							
8	1.600	1.600	1.600	1.600							
9	1.000	1.000	1.000		1.600						
10	1.600	1.600	1.000		1.600						
11	1.000	1.000	1.600		1.600						
12	1.600	1.600	1.600		1.600						
13	1.000	1.000	1.000	1.600	1.600						
14	1.600	1.600	1.000	1.600	1.600						
15	1.000	1.000	1.600	1.600	1.600						
16	1.600	1.600	1.600	1.600	1.600						
17	1.000	1.000	1.000			1.600					
18	1.600	1.600	1.000			1.600					
19	1.000	1.000	1.600			1.600					
20	1.600	1.600	1.600			1.600					
21	1.000	1.000	1.000	1.120		1.600					
22	1.600	1.600	1.000	1.120		1.600					
23	1.000	1.000	1.600	1.120		1.600					
24	1.600	1.600	1.600	1.120		1.600					
25	1.000	1.000	1.000		1.120	1.600					
26	1.600	1.600	1.000		1.120	1.600					
27	1.000	1.000	1.600		1.120	1.600					
28	1.600	1.600	1.600		1.120	1.600					
29	1.000	1.000	1.000	1.120	1.120	1.600					
30	1.600	1.600	1.000	1.120	1.120	1.600					
31	1.000	1.000	1.600	1.120	1.120	1.600					
32	1.600	1.600	1.600	1.120	1.120	1.600					
33	1.000	1.000	1.000	1.600		0.960					
34	1.600	1.600	1.000	1.600		0.960					
35	1.000	1.000	1.600	1.600		0.960					
36	1.600	1.600	1.600	1.600		0.960					
37	1.000	1.000	1.000		1.600	0.960					
38	1.600	1.600	1.000		1.600	0.960					
39	1.000	1.000	1.600		1.600	0.960					
40	1.600	1.600	1.600		1.600	0.960					
41	1.000	1.000	1.000	1.600	1.600	0.960					
42	1.600	1.600	1.000	1.600	1.600	0.960					
43	1.000	1.000	1.600	1.600	1.600	0.960					
44	1.600	1.600	1.600	1.600	1.600	0.960					
45	1.000	1.000	1.000				1.600				
46	1.600	1.600	1.000				1.600				
47	1.000	1.000	1.600				1.600				



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
48	1.600	1.600	1.600				1.600				
49	1.000	1.000	1.000	1.120			1.600				
50	1.600	1.600	1.000	1.120			1.600				
51	1.000	1.000	1.600	1.120			1.600				
52	1.600	1.600	1.600	1.120			1.600				
53	1.000	1.000	1.000		1.120		1.600				
54	1.600	1.600	1.000		1.120		1.600				
55	1.000	1.000	1.600		1.120		1.600				
56	1.600	1.600	1.600		1.120		1.600				
57	1.000	1.000	1.000	1.120	1.120		1.600				
58	1.600	1.600	1.000	1.120	1.120		1.600				
59	1.000	1.000	1.600	1.120	1.120		1.600				
60	1.600	1.600	1.600	1.120	1.120		1.600				
61	1.000	1.000	1.000	1.600			0.960				
62	1.600	1.600	1.000	1.600			0.960				
63	1.000	1.000	1.600	1.600			0.960				
64	1.600	1.600	1.600	1.600			0.960				
65	1.000	1.000	1.000		1.600		0.960				
66	1.600	1.600	1.000		1.600		0.960				
67	1.000	1.000	1.600		1.600		0.960				
68	1.600	1.600	1.600		1.600		0.960				
69	1.000	1.000	1.000	1.600	1.600		0.960				
70	1.600	1.600	1.000	1.600	1.600		0.960				
71	1.000	1.000	1.600	1.600	1.600		0.960				
72	1.600	1.600	1.600	1.600	1.600		0.960				
73	1.000	1.000	1.000					1.600			
74	1.600	1.600	1.000					1.600			
75	1.000	1.000	1.600					1.600			
76	1.600	1.600	1.600					1.600			
77	1.000	1.000	1.000	1.120				1.600			
78	1.600	1.600	1.000	1.120				1.600			
79	1.000	1.000	1.600	1.120				1.600			
80	1.600	1.600	1.600	1.120				1.600			
81	1.000	1.000	1.000		1.120			1.600			
82	1.600	1.600	1.000		1.120			1.600			
83	1.000	1.000	1.600		1.120			1.600			
84	1.600	1.600	1.600		1.120			1.600			
85	1.000	1.000	1.000	1.120	1.120			1.600			
86	1.600	1.600	1.000	1.120	1.120			1.600			
87	1.000	1.000	1.600	1.120	1.120			1.600			
88	1.600	1.600	1.600	1.120	1.120			1.600			
89	1.000	1.000	1.000	1.600				0.960			
90	1.600	1.600	1.000	1.600				0.960			
91	1.000	1.000	1.600	1.600				0.960			
92	1.600	1.600	1.600	1.600				0.960			
93	1.000	1.000	1.000		1.600			0.960			
94	1.600	1.600	1.000		1.600			0.960			
95	1.000	1.000	1.600		1.600			0.960			



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
96	1.600	1.600	1.600		1.600			0.960			
97	1.000	1.000	1.000	1.600	1.600			0.960			
98	1.600	1.600	1.000	1.600	1.600			0.960			
99	1.000	1.000	1.600	1.600	1.600			0.960			
100	1.600	1.600	1.600	1.600	1.600			0.960			
101	1.000	1.000	1.000						1.600		
102	1.600	1.600	1.000						1.600		
103	1.000	1.000	1.600						1.600		
104	1.600	1.600	1.600						1.600		
105	1.000	1.000	1.000	1.120					1.600		
106	1.600	1.600	1.000	1.120					1.600		
107	1.000	1.000	1.600	1.120					1.600		
108	1.600	1.600	1.600	1.120					1.600		
109	1.000	1.000	1.000		1.120				1.600		
110	1.600	1.600	1.000		1.120				1.600		
111	1.000	1.000	1.600		1.120				1.600		
112	1.600	1.600	1.600		1.120				1.600		
113	1.000	1.000	1.000	1.120	1.120				1.600		
114	1.600	1.600	1.000	1.120	1.120				1.600		
115	1.000	1.000	1.600	1.120	1.120				1.600		
116	1.600	1.600	1.600	1.120	1.120				1.600		
117	1.000	1.000	1.000	1.600					0.960		
118	1.600	1.600	1.000	1.600					0.960		
119	1.000	1.000	1.600	1.600					0.960		
120	1.600	1.600	1.600	1.600					0.960		
121	1.000	1.000	1.000		1.600				0.960		
122	1.600	1.600	1.000		1.600				0.960		
123	1.000	1.000	1.600		1.600				0.960		
124	1.600	1.600	1.600		1.600				0.960		
125	1.000	1.000	1.000	1.600	1.600				0.960		
126	1.600	1.600	1.000	1.600	1.600				0.960		
127	1.000	1.000	1.600	1.600	1.600				0.960		
128	1.600	1.600	1.600	1.600	1.600				0.960		
129	1.000	1.000	1.000							1.600	
130	1.600	1.600	1.000							1.600	
131	1.000	1.000	1.600							1.600	
132	1.600	1.600	1.600							1.600	
133	1.000	1.000	1.000	1.120						1.600	
134	1.600	1.600	1.000	1.120						1.600	
135	1.000	1.000	1.600	1.120						1.600	
136	1.600	1.600	1.600	1.120						1.600	
137	1.000	1.000	1.000		1.120					1.600	
138	1.600	1.600	1.000		1.120					1.600	
139	1.000	1.000	1.600		1.120					1.600	
140	1.600	1.600	1.600		1.120					1.600	
141	1.000	1.000	1.000	1.120	1.120					1.600	
142	1.600	1.600	1.000	1.120	1.120					1.600	
143	1.000	1.000	1.600	1.120	1.120					1.600	



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
144	1.600	1.600	1.600	1.120	1.120					1.600	
145	1.000	1.000	1.000	1.600						0.960	
146	1.600	1.600	1.000	1.600						0.960	
147	1.000	1.000	1.600	1.600						0.960	
148	1.600	1.600	1.600	1.600						0.960	
149	1.000	1.000	1.000		1.600					0.960	
150	1.600	1.600	1.000		1.600					0.960	
151	1.000	1.000	1.600		1.600					0.960	
152	1.600	1.600	1.600		1.600					0.960	
153	1.000	1.000	1.000	1.600	1.600					0.960	
154	1.600	1.600	1.000	1.600	1.600					0.960	
155	1.000	1.000	1.600	1.600	1.600					0.960	
156	1.600	1.600	1.600	1.600	1.600					0.960	
157	1.000	1.000	1.000								1.600
158	1.600	1.600	1.000								1.600
159	1.000	1.000	1.600								1.600
160	1.600	1.600	1.600								1.600
161	1.000	1.000	1.000	1.120							1.600
162	1.600	1.600	1.000	1.120							1.600
163	1.000	1.000	1.600	1.120							1.600
164	1.600	1.600	1.600	1.120							1.600
165	1.000	1.000	1.000		1.120						1.600
166	1.600	1.600	1.000		1.120						1.600
167	1.000	1.000	1.600		1.120						1.600
168	1.600	1.600	1.600		1.120						1.600
169	1.000	1.000	1.000	1.120	1.120						1.600
170	1.600	1.600	1.000	1.120	1.120						1.600
171	1.000	1.000	1.600	1.120	1.120						1.600
172	1.600	1.600	1.600	1.120	1.120						1.600
173	1.000	1.000	1.000	1.600							0.960
174	1.600	1.600	1.000	1.600							0.960
175	1.000	1.000	1.600	1.600							0.960
176	1.600	1.600	1.600	1.600							0.960
177	1.000	1.000	1.000		1.600						0.960
178	1.600	1.600	1.000		1.600						0.960
179	1.000	1.000	1.600		1.600						0.960
180	1.600	1.600	1.600		1.600						0.960
181	1.000	1.000	1.000	1.600	1.600						0.960
182	1.600	1.600	1.000	1.600	1.600						0.960
183	1.000	1.000	1.600	1.600	1.600						0.960
184	1.600	1.600	1.600	1.600	1.600						0.960



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

- Tensiones sobre el terreno
- Desplazamientos

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	V 3	V 4	V p	V s
1	1.000	1.000	1.000								
2	1.000	1.000	1.000	1.000							
3	1.000	1.000	1.000		1.000						
4	1.000	1.000	1.000	1.000	1.000						
5	1.000	1.000	1.000			1.000					
6	1.000	1.000	1.000	1.000		1.000					
7	1.000	1.000	1.000		1.000	1.000					
8	1.000	1.000	1.000	1.000	1.000	1.000					
9	1.000	1.000	1.000				1.000				
10	1.000	1.000	1.000	1.000			1.000				
11	1.000	1.000	1.000		1.000		1.000				
12	1.000	1.000	1.000	1.000	1.000		1.000				
13	1.000	1.000	1.000					1.000			
14	1.000	1.000	1.000	1.000				1.000			
15	1.000	1.000	1.000		1.000			1.000			
16	1.000	1.000	1.000	1.000	1.000			1.000			
17	1.000	1.000	1.000						1.000		
18	1.000	1.000	1.000	1.000					1.000		
19	1.000	1.000	1.000		1.000				1.000		
20	1.000	1.000	1.000	1.000	1.000				1.000		
21	1.000	1.000	1.000							1.000	
22	1.000	1.000	1.000	1.000						1.000	
23	1.000	1.000	1.000		1.000					1.000	
24	1.000	1.000	1.000	1.000	1.000					1.000	
25	1.000	1.000	1.000								1.000
26	1.000	1.000	1.000	1.000							1.000
27	1.000	1.000	1.000		1.000						1.000
28	1.000	1.000	1.000	1.000	1.000						1.000

6.- COTA DE CIMENTACIÓN

Grupo	Nombre del grupo	Cota
0	Cimentación	0.00

7.- LOSAS Y ELEMENTOS DE CIMENTACIÓN

Losas cimentación	Canto (cm)	Módulo balasto (t/m ³)	Tensión admisible en situaciones persistentes (kp/cm ²)	Tensión admisible en situaciones accidentales (kp/cm ²)
Todas	30	10000.00	2.00	3.00

8.- MATERIALES UTILIZADOS

8.1.- Hormigones



Listado de datos de la obra

Losa cimentación Ranillas

Fecha: 09/04/20

Elemento	Hormigón	f_{ck} (kp/cm ²)	γ_c	Árido		E_c (kp/cm ²)
				Naturaleza	Tamaño máximo (mm)	
Todos	HA-25	255	1.50	Cuarcita	15	277920

8.2.- Aceros por elemento y posición

8.2.1.- Aceros en barras

Elemento	Acero	f_{yk} (kp/cm ²)	γ_s
Todos	B 500 S	5097	1.15

8.2.2.- Aceros en perfiles

Tipo de acero para perfiles	Acero	Límite elástico (kp/cm ²)	Módulo de elasticidad (kp/cm ²)
Acero conformado	S280GD	2854	2140673
Acero laminado	S 275 (EN 1993-1-1)	2803	2140673

Zaragoza, a abril de 2020

Pablo Jesús Pinedo Hernández

Ingeniero Técnico Industrial
Colegiado nº 6156 – COGITAR

PROYECTO

ESTRUCTURA METÁLICA PARA AMPLIACIÓN DEL EDIFICIO DE VESTUARIOS DEL CAMPO MUNICIPAL DE FÚTBOL DE RANILLAS EN ZARAGOZA

ANEXO CHAPA DE CUBIERTA DECK

ANEXO

PROMOTOR: Ayuntamiento de Zaragoza

SITUACIÓN: C/ Clara Campoamor nº34, 50018 Zaragoza

FECHA: abril de 2020

AUTOR: Pablo Jesús Pinedo Hernández
Ingeniero Técnico Industrial
Colegiado nº6156 – C.O.G.I.T.I.A.R.
Tlno. 600 099 840
info@pinedoproyectos.com
www.pinedoprojectoseingenieria.com

NOTA TÉCNICA CHAPA CUBIERTA DECK - RANILLAS

Se anexa al proyecto "ESTRUCTURA METÁLICA PARA AMPLIACIÓN DEL EDIFICIO DE VESTUARIOS DEL CAMPO MUNICIPAL DE FÚTBOL DE RANILLAS EN ZARAGOZA" el presente certificado relacionado con el cálculo y diseño de la chapa de soporte de la cubierta deck del mencionado edificio

CERTIFICO

1. Que la cubierta deck proyectada incorpora la **chapa de soporte tipo EUROBASE 40 de espesor 0,70 mm.** de la casa comercial EUROPERFIL. Encima de ella se colocará un **aislamiento térmico tipo PIR de 50mm. de espesor** y una **lámina impermeabilizante tipo PVC de 1,5mm. de espesor.**
2. La chapa soporte **ofrece la solución técnica adecuada a las cargas y condicionantes técnicos correspondientes al proyecto** en cuestión, como se puede observar en la ficha adjunta del fabricante. Como se puede observar en la ficha, la chapa de 0,70mm. de espesor, en 4 apoyo, soporta una sobrecarga de uso de 1,50kN/m² y unas cargas permanentes de 1,20kN/m² para un intereje de 1,96m. En nuestro caso, el mayor intereje es de 1,80m. Flecha admisible: L/200.
3. La chapa soporte EUROBASE 40 cumple con las especificaciones sobre tolerancias dimensionales, acero y recubrimiento orgánico requeridas en las **normas EN 10143, EN 10346 y EN 10169.**

Zaragoza, a abril de 2020



Pablo Jesús Pinedo Hernández
Ingeniero Técnico Industrial
Colegiado nº 6156 – COGITAR

APLICACIÓN

Chapa metálica de acero autoportante destinada para recubrimientos y revestimientos como perfil de soporte de cubierta deck.

PROPIEDADES MATERIA PRIMA (Acero)

CONCEPTO	REF. NORMA
Tolerancias dimensionales	EN 10143
Acero	EN 10346
Recubrimiento orgánico	EN 10169

	Espesor (mm)					
	0,70	0,75	0,80	0,88	1,00	1,20
Peso (kg/m ²)	6,45	6,91	7,37	8,11	9,22	11,06
I _g (cm ⁴ /ml)	14,643	15,753	16,862	18,637	21,299	25,737
W ₁ (cm ³ /ml)	4,668	5,021	5,374	5,940	6,787	8,200
W ₂ (cm ³ /ml)	16,972	18,261	19,550	21,615	24,714	29,885

CARACTERÍSTICAS GEOMÉTRICAS+

CONCEPTO	VALOR	UDS.	TOLERANCIA
Profundidad del perfil (h)	40	mm	± 1,0
Altura del rigidizador	4	mm	± 1,0
Paso de onda	266	mm	± 2,0
Anchura de la cresta y del valle (b ₁ ,b ₂)	(20,190)	mm	+2,0/-1,0
Anchura útil (w)	1.065	mm	± 5
Radio de plegado (r)	---	mm	+ 2,0 / 0,0
Defecto de rectitud (δ)	≤ a la tol.	mm	2,0 / ml (Máx.: 10,0)
Defecto de ortogonalidad (s)	≤ a la tol.	mm	≤ 0,5% de (w)
Longitud (l)	A medida. ⁽¹⁾	mm	l ≤ 3.000 mm +10,0/-5,0 l > 3.000 mm + 20,0/-5,0
Desviación del solape lateral (D)	≤ a la tol.	mm	± 2,0 sobre 500 mm
Ángulos y radios de curvado	---	°	---
Reacción al fuego	Clase A1 ⁽²⁾ / Clase C-s3,d0 ⁽³⁾		

⁽¹⁾Longitud. Máx.: 16.990 mm; Long. Mín.: 1.200 mm

⁽²⁾ Clase A1: Según Decisión de la comisión 2010/737/UE

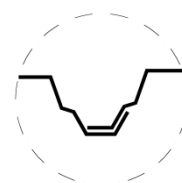
⁽³⁾Clase C-s3,d0: Según Decisión de la comisión 2010/737/UE para revestimiento Plastisol PVC



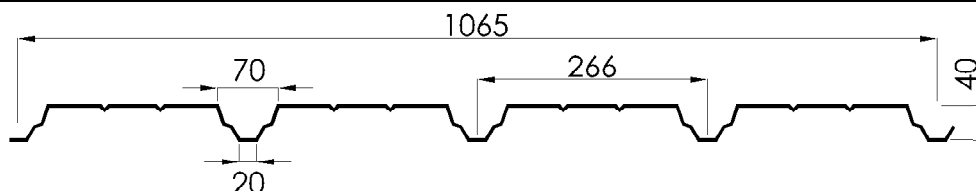
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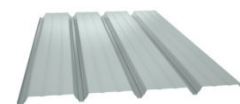
DETALLE SOLAPE



DETALLE SECCIÓN CHAPA



DETALLE 3D






CARACTERÍSTICAS EXPERIMENTALES

Según ensayos efectuados según la normativa NF P 34-503 bajo control de BUREAU VERITAS (DEM 7 91 344 01).

			Espesor (mm)					
Momentos			0,70	0,75	0,80	0,88	1,00	1,20
de flexión bajo cargas concentradas (m · daN / m)	MC		153,35	164,30	175,26	192,78	219,07	262,89
de inercia en simple vano (cm ⁴ / m)	I2		15,04	16,10	17,17	18,89	21,47	25,76
de inercia a dos vanos iguales (cm ⁴ / m)	I3		11,83	12,67	13,52	14,86	16,89	20,27
de inercia en continuidad (cm ⁴ / m)	Im		13,43	14,38	15,35	16,88	19,18	23,01
de flexión en el vano Sistema Elástico (m · daN / m)	M2T		166,13	177,84	189,55	208,29	236,40	283,25
de flexión en el vano Sistema Elasto-Plástico (m · daN / m)	M3T		193,07	206,64	220,22	241,94	274,52	328,82
de flexión sobre el apoyo (m · daN / m)	M3A		140,01	149,79	159,58	175,24	198,72	237,86

CUADRO DE LUCES ADMISIBLES (m) – Flecha admisible: L/200

Según norma francesa NF P 84-206 (DTU 43.3)

Sobrecarga de uso (kN/m²)	Cargas permanentes (kN/m²)																		
		Espesor (mm)																	
		0,70	0,75	0,80	0,88	1,00	1,20	0,70	0,75	0,80	0,88	1,00	1,20	0,70	0,75	0,80	0,88	1,00	1,20
1,00	0,15	2,03	2,18	2,23	2,30	2,40	2,55	2,49	2,60	2,68	2,81	3,00	3,19	2,49	2,60	2,67	2,76	2,88	3,05
	0,20	2,03	2,17	2,22	2,29	2,38	2,52	2,49	2,60	2,68	2,81	2,98	3,15	2,49	2,60	2,66	2,74	2,85	3,01
	0,25	2,03	2,15	2,19	2,26	2,35	2,48	2,49	2,60	2,68	2,81	2,94	3,11	2,49	2,57	2,62	2,70	2,81	2,97
	1,00	1,81	1,85	1,89	1,94	2,03	2,15	2,13	2,20	2,27	2,37	2,52	2,69	2,16	2,21	2,26	2,33	2,42	2,57
1,25	0,15	1,98	2,03	2,07	2,14	2,23	2,37	2,48	2,54	2,59	2,68	2,79	2,97	2,37	2,43	2,48	2,56	2,67	2,84
	0,25	1,98	2,02	2,07	2,13	2,22	2,35	2,44	2,52	2,59	2,67	2,78	2,94	2,37	2,42	2,48	2,55	2,66	2,81
1,50	0,15	1,86	1,91	1,95	2,01	2,10	2,23	2,33	2,39	2,44	2,52	2,63	2,79	2,23	2,28	2,33	2,41	2,51	2,67
	0,25	1,86	1,91	1,95	2,01	2,10	2,23	2,27	2,34	2,42	2,52	2,63	2,79	2,23	2,28	2,33	2,41	2,51	2,67
	1,20	1,64	1,68	1,71	1,76	1,84	1,95	1,84	1,90	1,96	2,05	2,18	2,38	1,96	2,01	2,05	2,11	2,20	2,34
1,75	0,15	1,77	1,81	1,85	1,91	1,99	2,12	2,18	2,25	2,32	2,39	2,50	2,65	2,12	2,17	2,22	2,29	2,39	2,54
	0,25	1,77	1,81	1,85	1,91	1,99	2,12	2,13	2,20	2,27	2,37	2,50	2,65	2,12	2,17	2,22	2,29	2,39	2,54
2,00	0,15	1,69	1,73	1,77	1,83	1,91	2,03	2,05	2,12	2,19	2,29	2,39	2,54	2,03	2,08	2,12	2,19	2,28	2,43
	0,25	1,69	1,73	1,77	1,83	1,91	2,03	2,01	2,08	2,14	2,24	2,38	2,54	2,03	2,08	2,12	2,19	2,28	2,43

Las luces anteriores se consideran con vanos iguales, o con una diferencia máxima entre vanos contiguos de un 20%, según DTU 43.3.

 Para cualquier aclaración sobre el presente documento puede contactar con el Departamento Técnico (tecnico@europafil.es o vía telefónica).
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