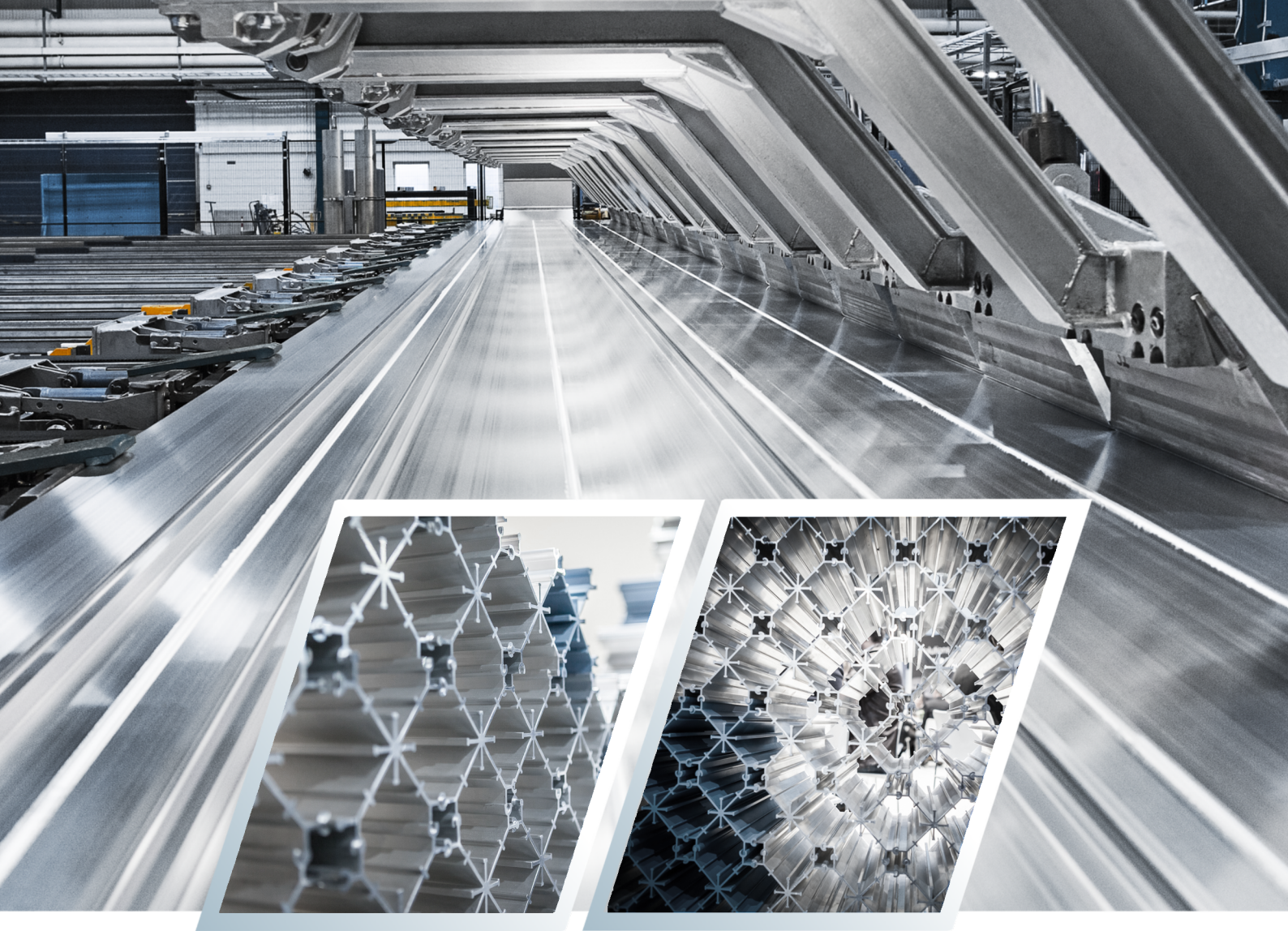




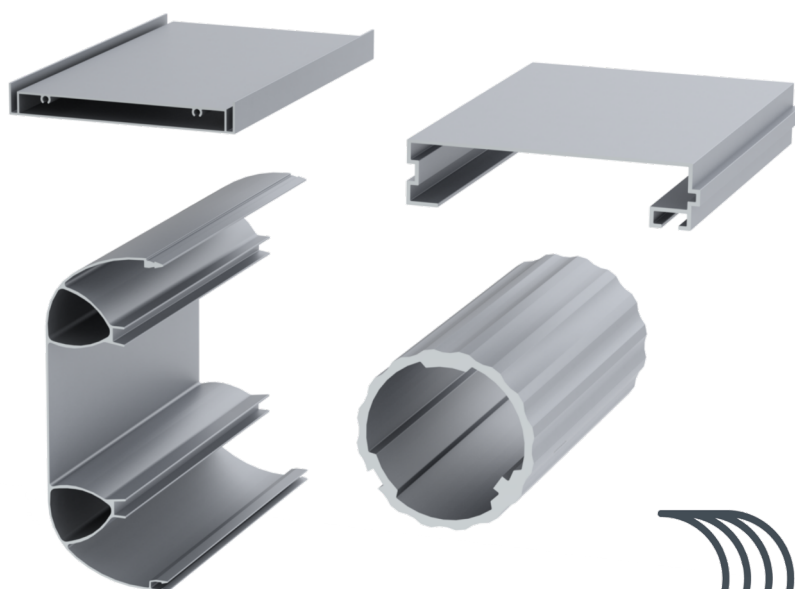
ILUMINAÇÃO E SINALIZAÇÃO

LD

ISO 9001
ISO 14001



NOVEMBRO 2023



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Indice

1. LISTAGEM

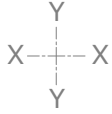
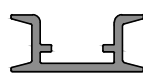
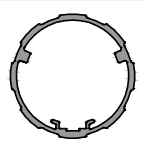
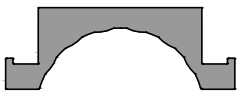
2. PERFIS 1:1

1. Iluminação e sinais

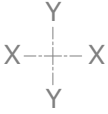
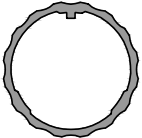
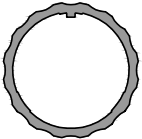
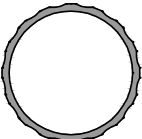
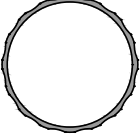
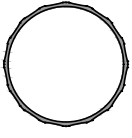
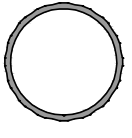
2. Sinalização

1.- LISTAGEM

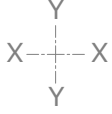
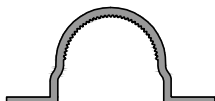
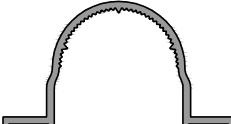
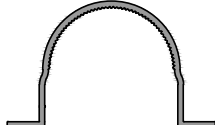
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Momento		Pág.
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia Ix (cm ⁴) Iy (cm ⁴)	
2068600 Navarra		-	0,751	44,4 44,4	1,5 49,4	2.1.1
2068601 Navarra		-	0,640	24,3 34,9	3,1 4,7	2.1.1
CK-96-28 Avintes		-	0,424	15,1 15,1	0,4 1,8	2.1.5
CK-96-43 Avintes		-	1,050	38,7 38,7	0,6 94,8	2.1.3
CK-96-44 Avintes		-	4,055	36,2 63,8	115,2 122,3	2.2.4
CK-96-45 Avintes		-	1,025	38,1 38,1	0,6 52,1	2.1.4
CK-96-48 Avintes		-	5,009	36,6 76,0	261,03 261,75	2.2.6
CK-96-49 Avintes		-	6,503	38,4 38,4	43,37 333,90	2.2.1
E200743 Navarra		-	0,523	28,1 28,1	0,3 17,3	2.1.2
E300107 Navarra		-	0,805	39,6 39,6	0,4 70,8	2.1.3
E800364 Navarra		-	0,691	34,0 34,0	0,3 44,6	2.1.2

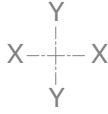
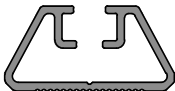
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Momento		Pág.
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia Ix (cm ⁴) Iy (cm ⁴)	
11310 La Roca		-	3,919	29,3 57,4	124,3 118,2	2.2.5
11311 La Roca		-	6,061	37,0 70,3	312,7 300,8	2.2.5
11312 La Roca		-	12,411	53,5 101,6	1417,0 1372,4	2.2.10
11313 La Roca		-	11,170	45,8 83,6	821,9 857,9	2.2.7
11843 La Roca		-	14,310	53,5 99,8	1597,4 1568,9	2.2.9
11844 La Roca		-	12,292	45,8 84,0	890,7 926,7	2.2.8
11845 La Roca		-	8,409	37,0 67,1	410,7 405,3	2.2.6
19117 La Roca		-	2,182	24,1 45,4	51,8 51,8	2.2.3
H993002 La Roca		-	1,571	24,0 46,0	38,38 38,38	2.2.3
H993003 La Roca		-	1,925	28,2 54,6	66,94 66,94	2.2.3
H995162 La Roca		-	1,337	18,9 35,9	20,02 20,02	2.2.3

Listagem

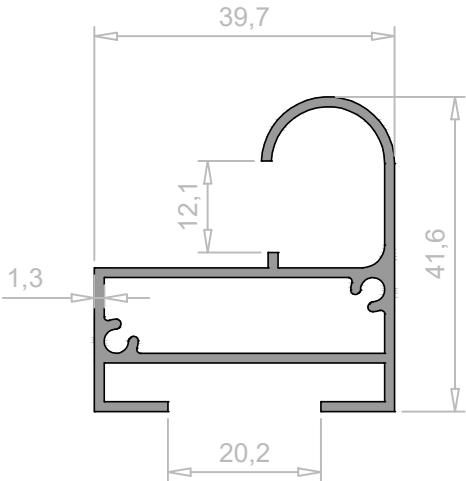
Perfil	Secção 	Descrição	Peso Kg./m	Momento		Pág.
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia Ix (cm ⁴) Iy (cm ⁴)	
M-1574 La Roca		-	2,232	65,9 65,9	17,1 365,6	2.1.7
M-3717 La Roca		-	2,070	66,8 66,8	16,0 338,8	2.1.7
M-4016 La Roca		-	0,780	34,0 34,0	0,5 51,6	2.1.2
PA92001 Navarra		-	2,452	695 695	. .	2.1.8
PZ00096 Navarra		-	1,715	65,6 65,6	13,2 277,2	2.1.8
W-40 Avintes		-	2,000	40,0 40,0	0,47 0,86	2.2.1
W-41 Avintes		-	2,266	47,1 47,1	44,2 98,0	2.2.2
W-42 Avintes		-	3,239	61 61	122,2 237,2	2.2.2
Y-20 Avintes		-	1,402	40,3 73,3	2,2 123,0	2.1.5
Y-143 Avintes		-	1,172	34,3 61,0	4,8 296,0	2.1.4
Y-148 Avintes		-	0,817	26,3 45,3	1,16 20,95	2.1.4

Listagem

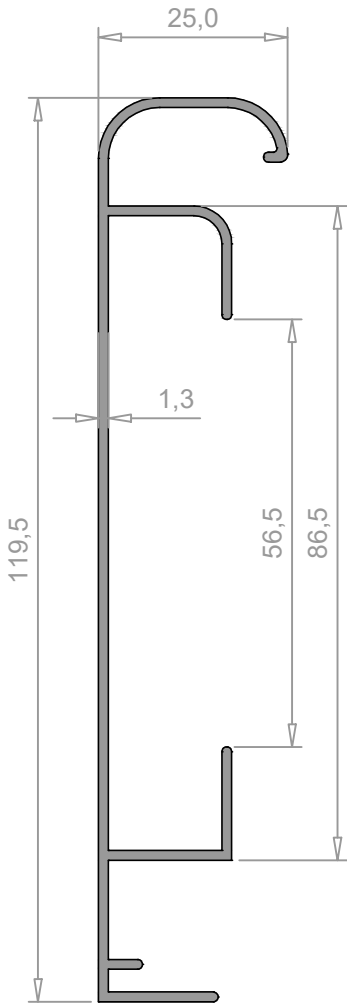
Perfil	Secção 	Descrição	Peso Kg./m	Momento		Pág.
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia Ix (cm ⁴) Iy (cm ⁴)	
Z-85 Avintes		-	1,668	63,4	11,8	2.1.6
				63,4	264,7	
Z-95 Avintes		-	0,589	24,0	1,14	2.1.5
				24,0	3,33	
Z-96 Avintes		-	1,715	65,6	13,2	2.1.6
				65,6	277,2	

2.- PERFIS 1:1

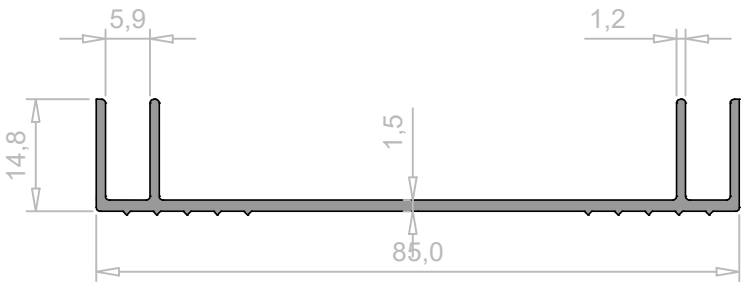
2068601	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,3 mm	24,3 dm ² /m	34,9 dm ² /m	0,640 Kg/m
	Momento Inercia	lx: 3,1 cm ⁴	ly: 4,7 cm ⁴	Navarra



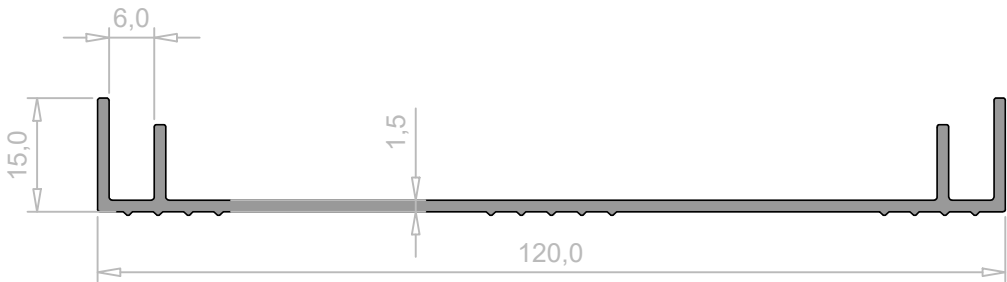
2068600	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,3 mm	44,4 dm ² /m	44,4 dm ² /m	0,751 Kg/m
	Momento Inercia	lx: 49,4 cm ⁴	ly: 1,5 cm ⁴	Navarra



E200743	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,5 mm	28,1 dm ² /m	28,1 dm ² /m	0,523 Kg/m
	Momento Inercia	Ix: 17,3 cm ⁴	Iy: 0,3 cm ⁴	Navarra

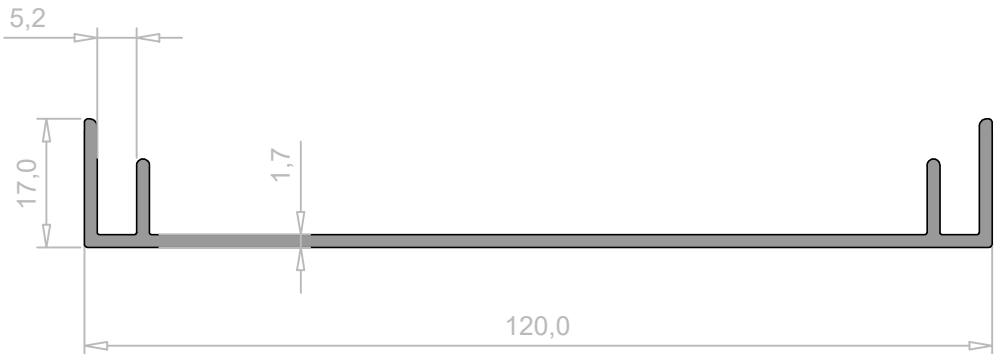


E800364	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,5 mm	34,0 dm ² /m	34,0 dm ² /m	0,691 Kg/m
	Momento Inercia	Ix: 0,3 cm ⁴	Iy: 44,6 cm ⁴	Navarra

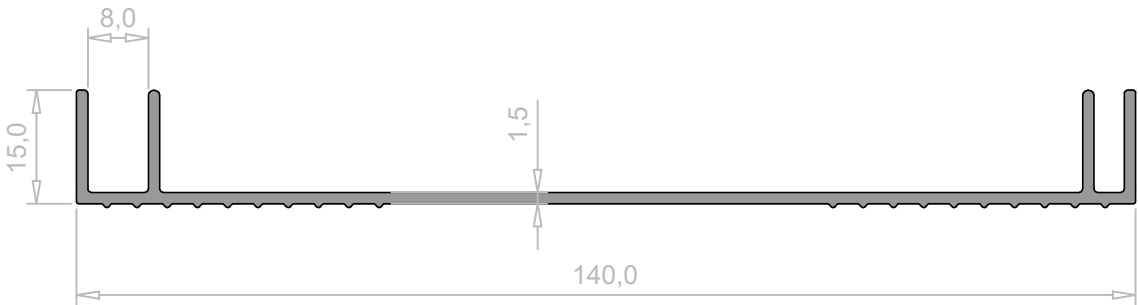


Ix:

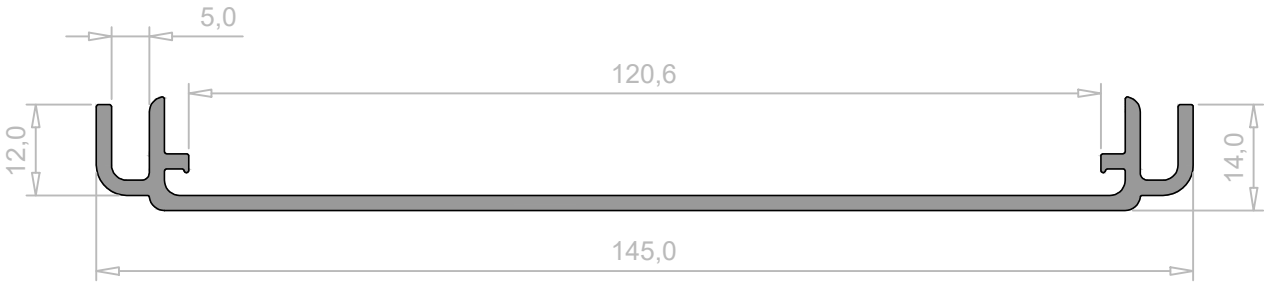
M-4016	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,7 mm	34,0 dm ² /m	34,0 dm ² /m	0,780 Kg/m
	Momento Inercia	Ix: 0,5 cm ⁴	Iy: 51,6 cm ⁴	La Roca



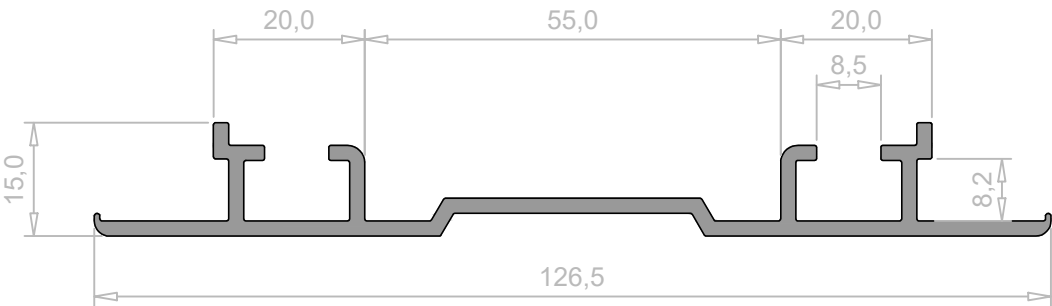
E300107	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,5 mm	39,6 dm ² /m	39,6 dm ² /m	0,805 Kg/m
	Momento Inercia	Ix: 0,4 cm ⁴	Iy: 70,8 cm ⁴	Navarra



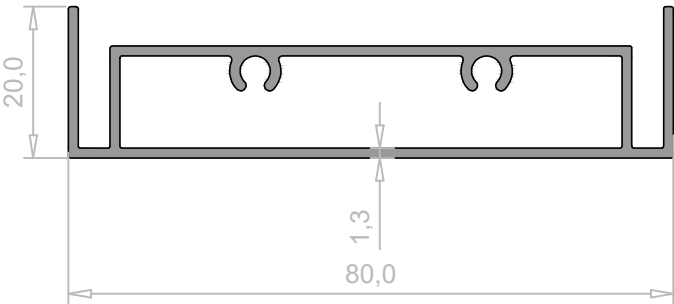
CK-96-43	Espes.	Sup. Ext.	Sup. Total	Peso
-	2,0 mm	38,7 dm ² /m	38,7 dm ² /m	1,050 Kg/m
	Momento Inercia	Ix: 0,6 cm ⁴	Iy: 94,8 cm ⁴	Avintes



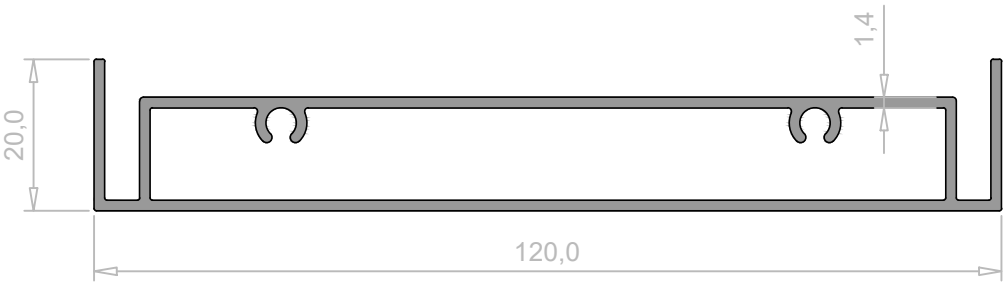
CK-96-45	Espes.	Sup. Ext.	Sup. Total	Peso
-	2,0 mm	38,1 dm ² /m	38,1 dm ² /m	1,025 Kg/m
	Momento Inercia	Ix: 0,6 cm ⁴	Iy: 52,1 cm ⁴	Avintes



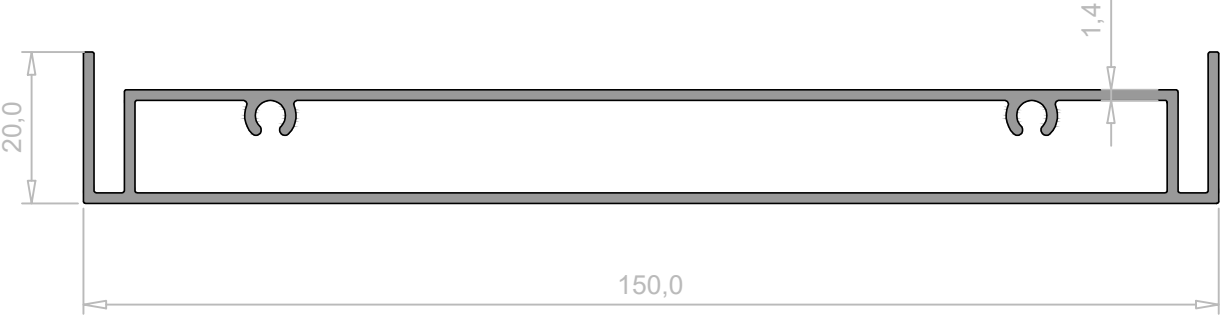
Y-148	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,3 mm	26,3 dm ² /m	45,3 dm ² /m	0,817 Kg/m
	Momento Inercia	Ix: 1,16 cm ⁴	Iy: 20,95 cm ⁴	Avintes



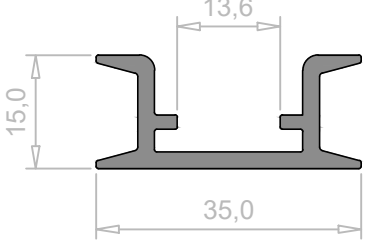
Y-143	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,4 mm	34,3 dm ² /m	61,0 dm ² /m	1,172 Kg/m
	Momento Inercia	Ix: 4,8 cm ⁴	Iy: 296,0 cm ⁴	Avintes



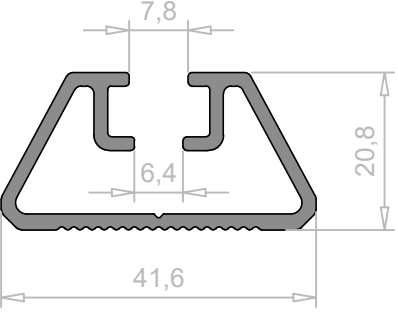
Y-20	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,4 mm	40,3 dm ² /m	73,3 dm ² /m	1,402 Kg/m
	Momento Inercia	Ix: 2,2 cm ⁴	Iy: 123,0 cm ⁴	Avintes



CK-96-28	Espes.	Sup. Ext.	Sup. Total	Peso
-	2,2 mm	15,1 dm ² /m	15,1 dm ² /m	0,424 Kg/m
	Momento Inercia	Ix: 0,40 cm ⁴	Iy: 1,78 cm ⁴	Avintes



Z-95	Espes.	Sup. Ext.	Sup. Total	Peso
-	1,8 mm	24,0 dm ² /m	24,0 dm ² /m	0,589 Kg/m
	Momento Inercia	Ix: 1,14 cm ⁴	Iy: 3,33 cm ⁴	Avintes

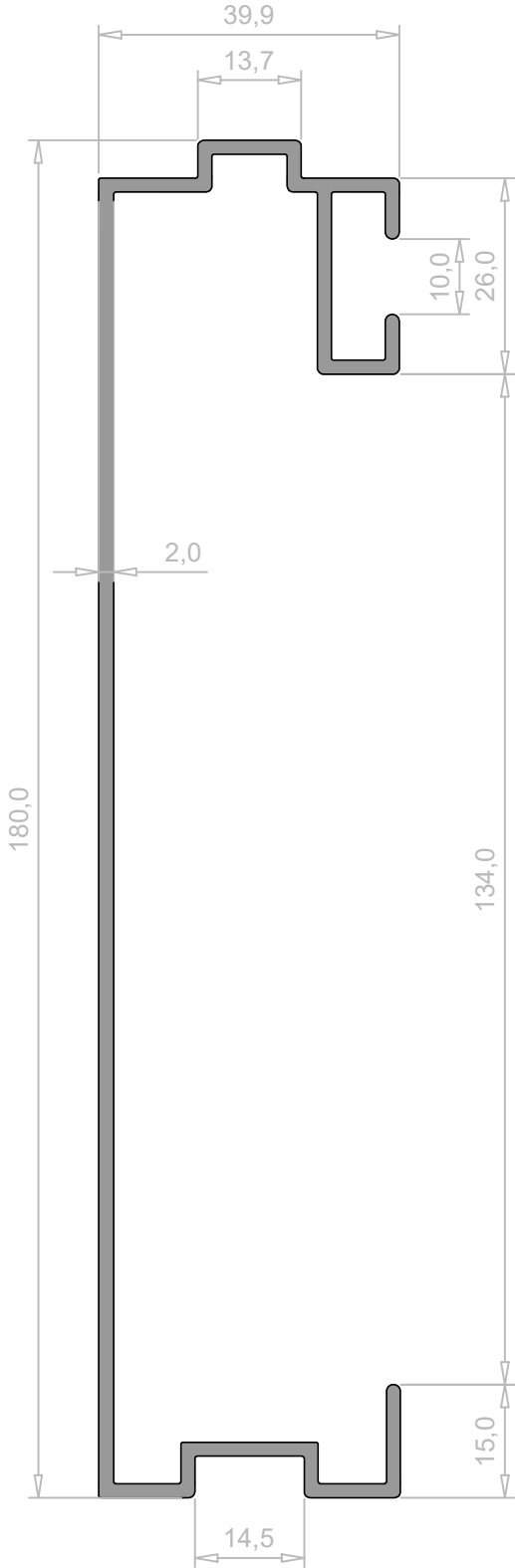
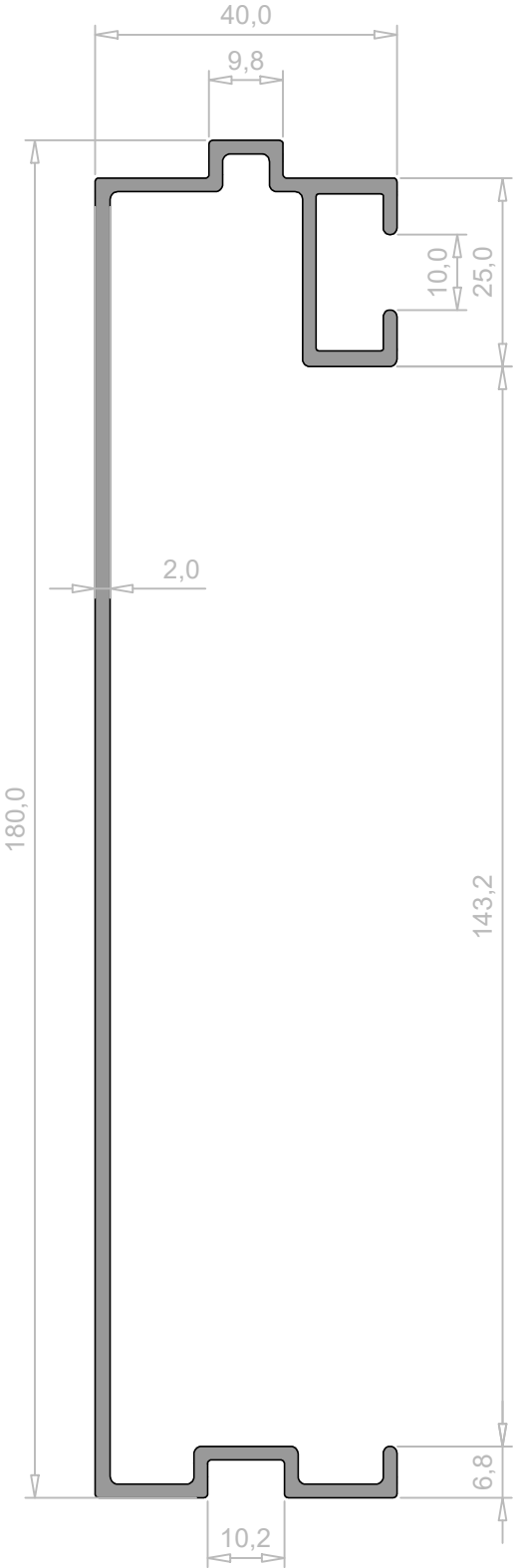


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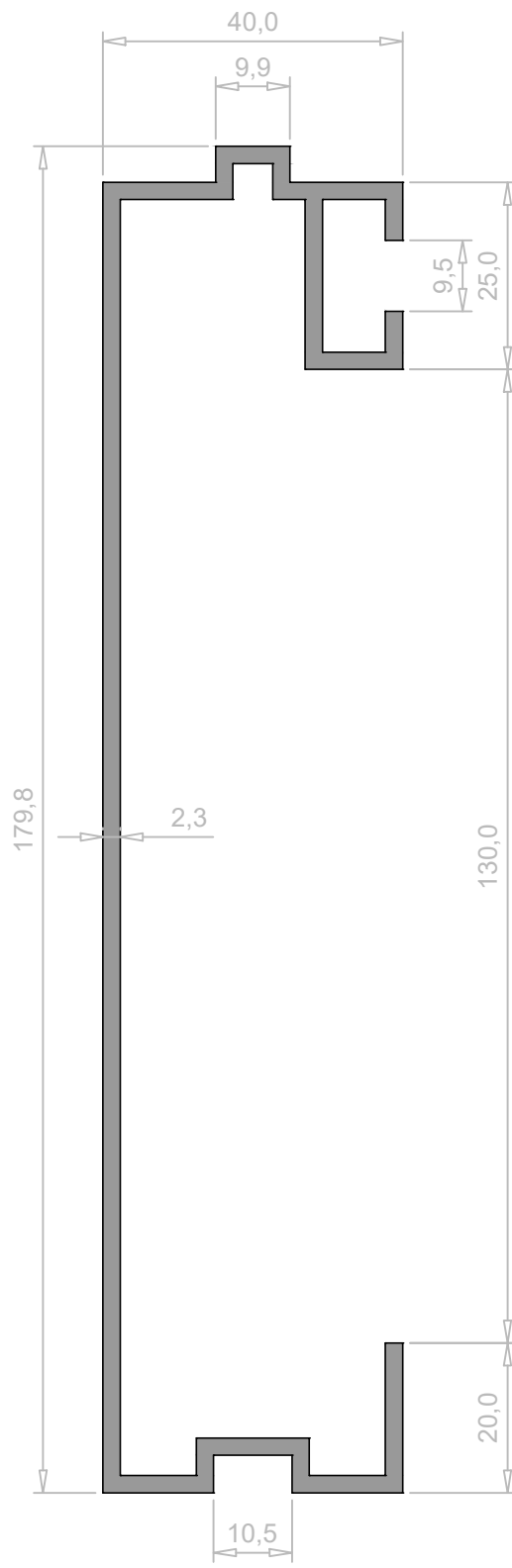
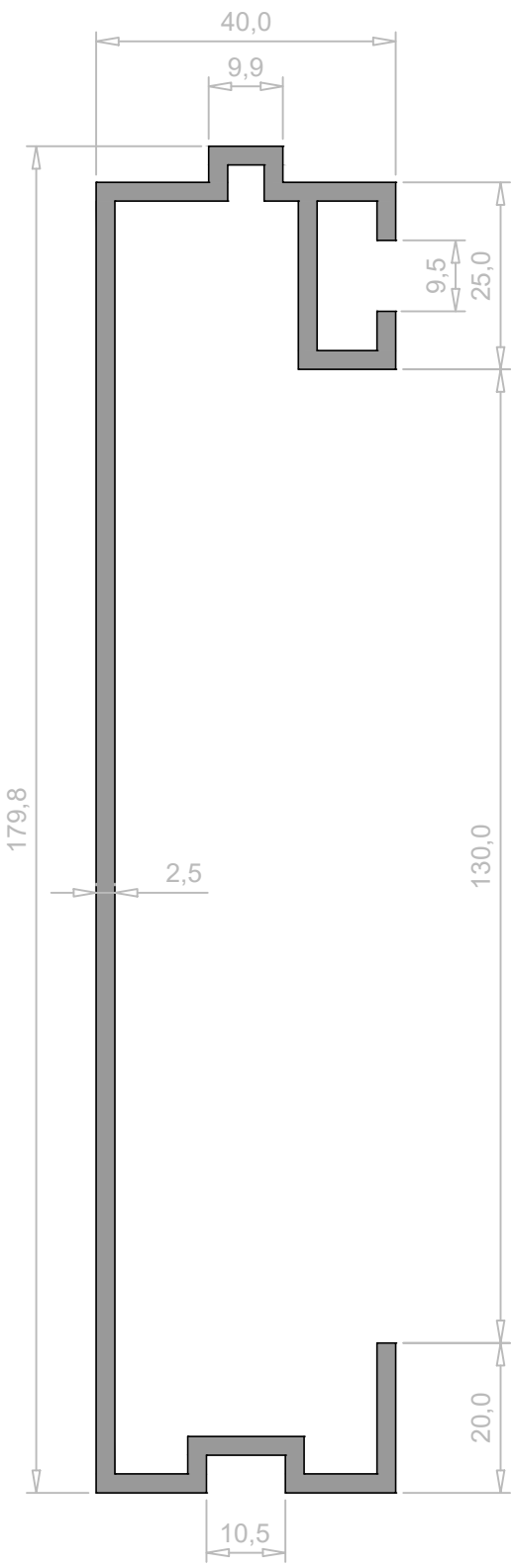


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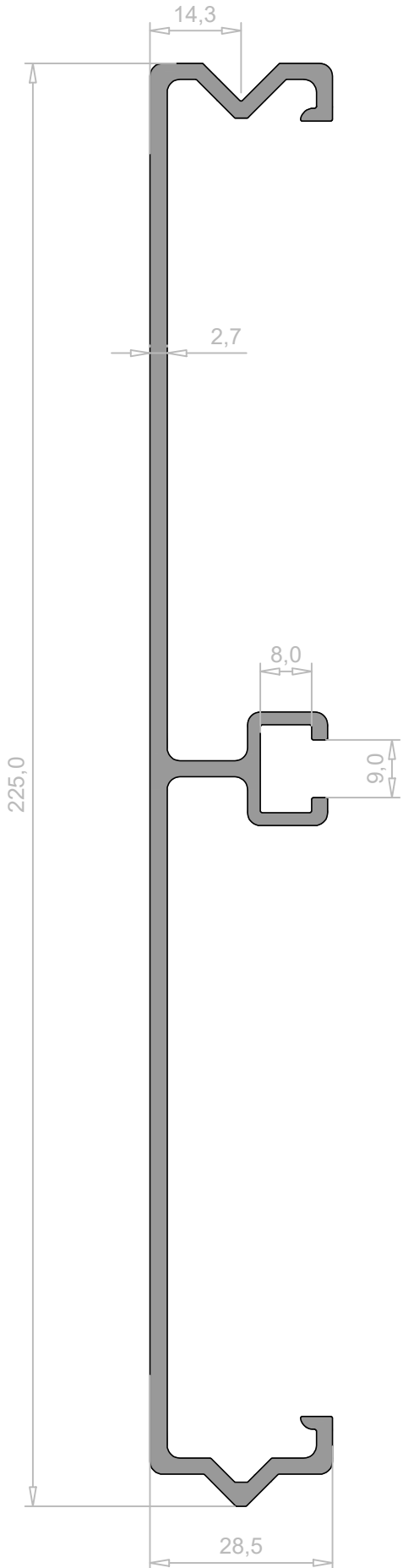
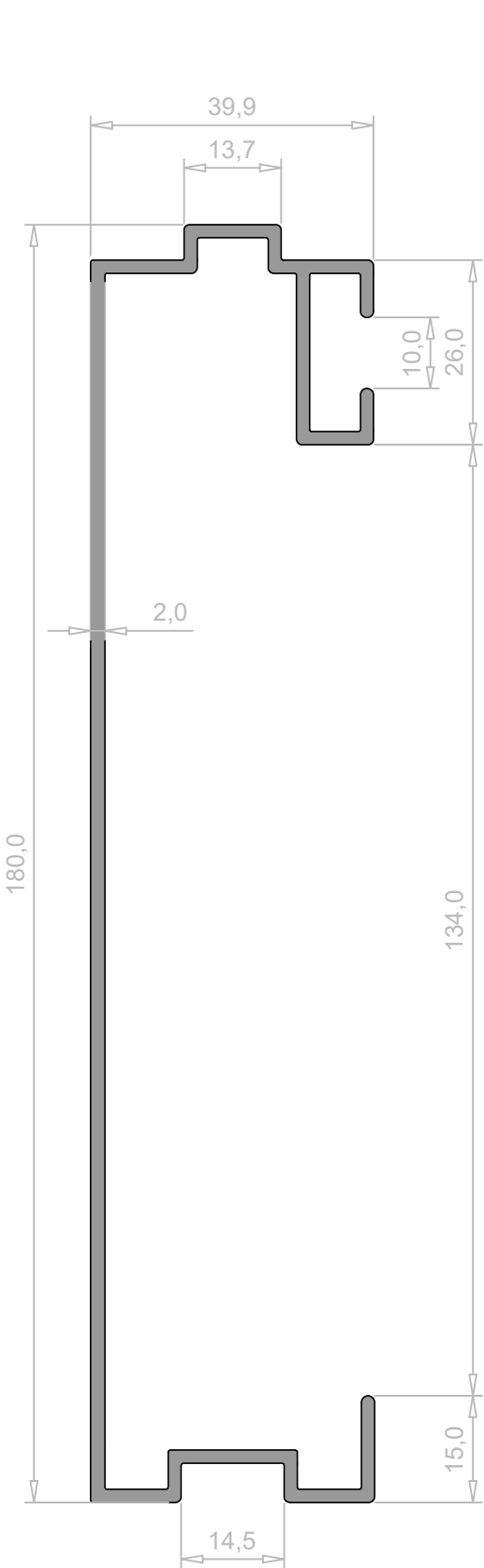
Z-85	Espes.	Sup. Ext.	Sup. Total	Peso	Z-96	Espes.	Sup. Ext.	Sup. Total	Peso
-	2,0 mm	63,4 dm ² /m	63,4 dm ² /m	1,668 Kg/m	-	2,0 mm	65,6 dm ² /m	65,6 dm ² /m	1,715 Kg/m
	Momento Inercia	Ix: 264,7 cm ⁴	Iy: 11,78 cm ⁴	Avintes		Momento Inercia	Ix: 277,2 cm ⁴	Iy: 13,2 cm ⁴	Avintes

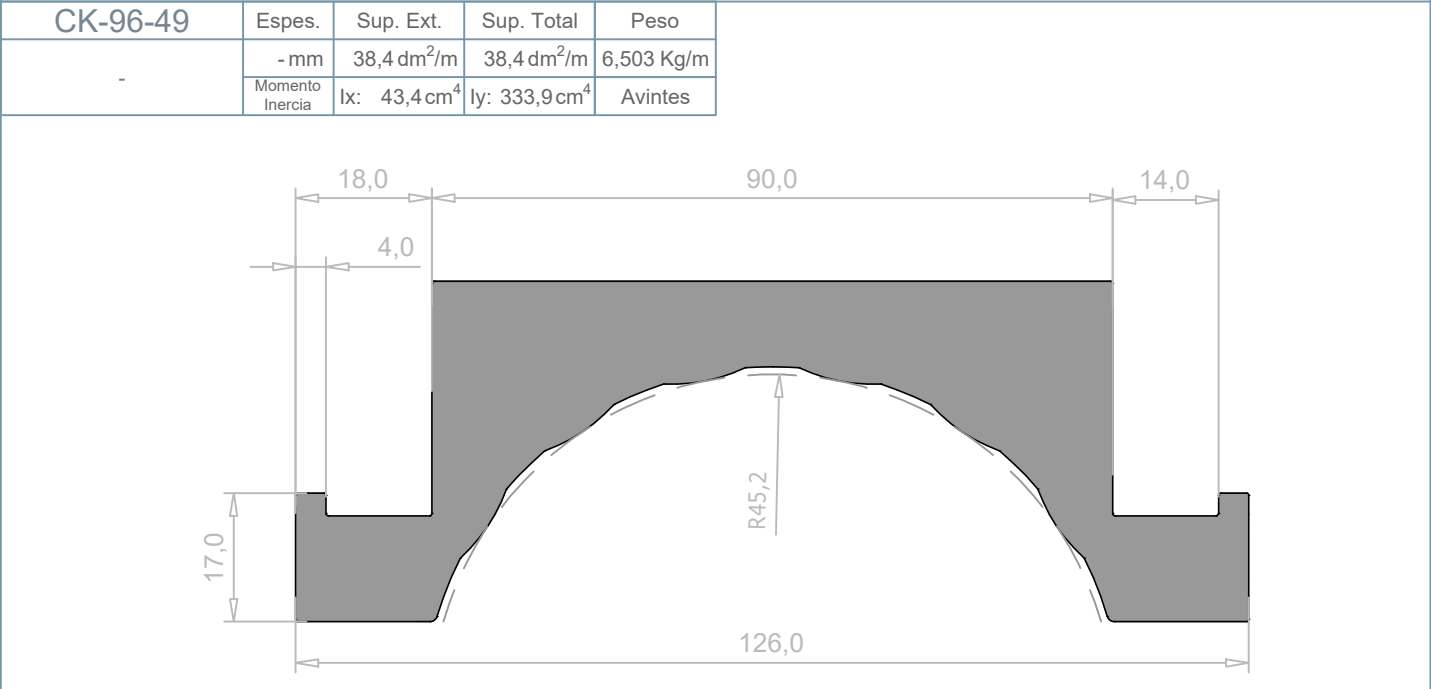
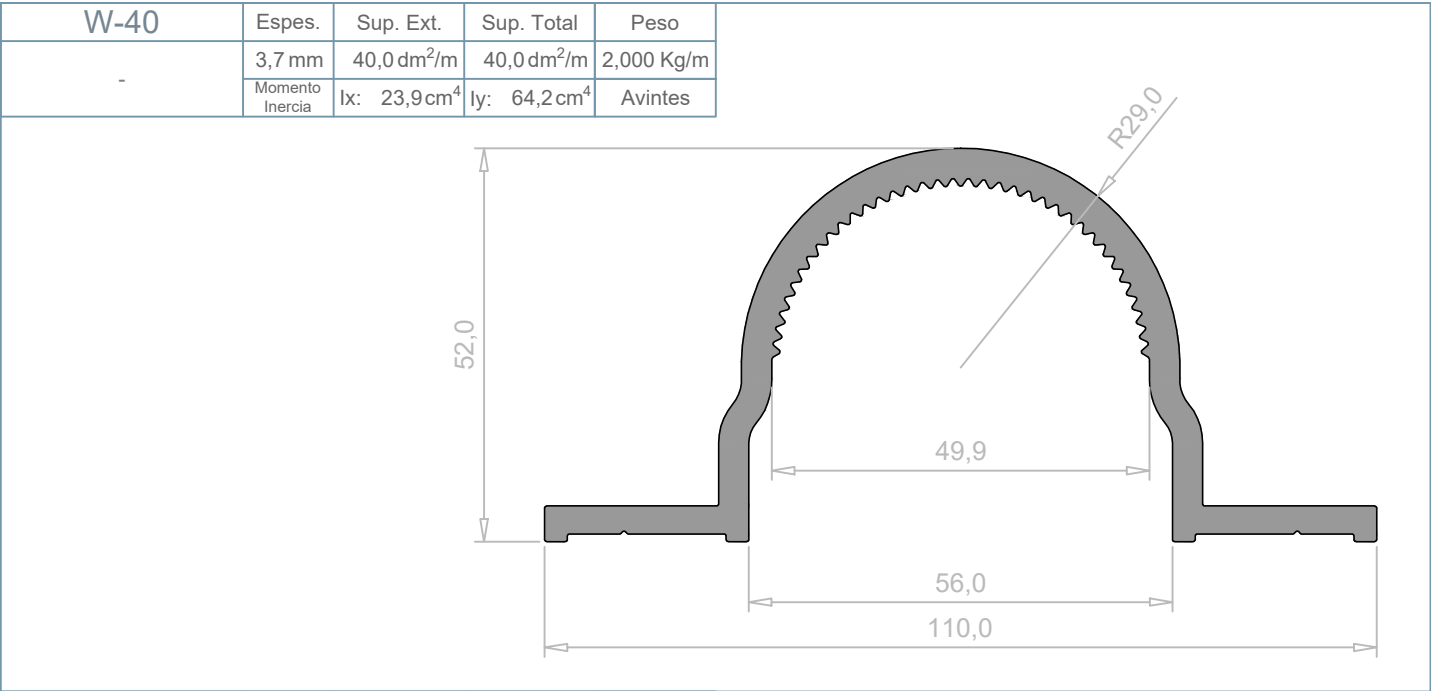


M-1574	Espes.	Sup. Ext.	Sup. Total	Peso	M-3717	Espes.	Sup. Ext.	Sup. Total	Peso
-	2,5 mm	65,9 dm ² /m	65,9 dm ² /m	2,232 Kg/m	-	2,3 mm	66,8 dm ² /m	66,8 dm ² /m	2,070 Kg/m
	Momento Inercia	Ix: 365,6 cm ⁴	Iy: 17,14 cm ⁴	La Roca		Momento Inercia	Ix338,79 cm ⁴	Iy: 16,00 cm ⁴	La Roca

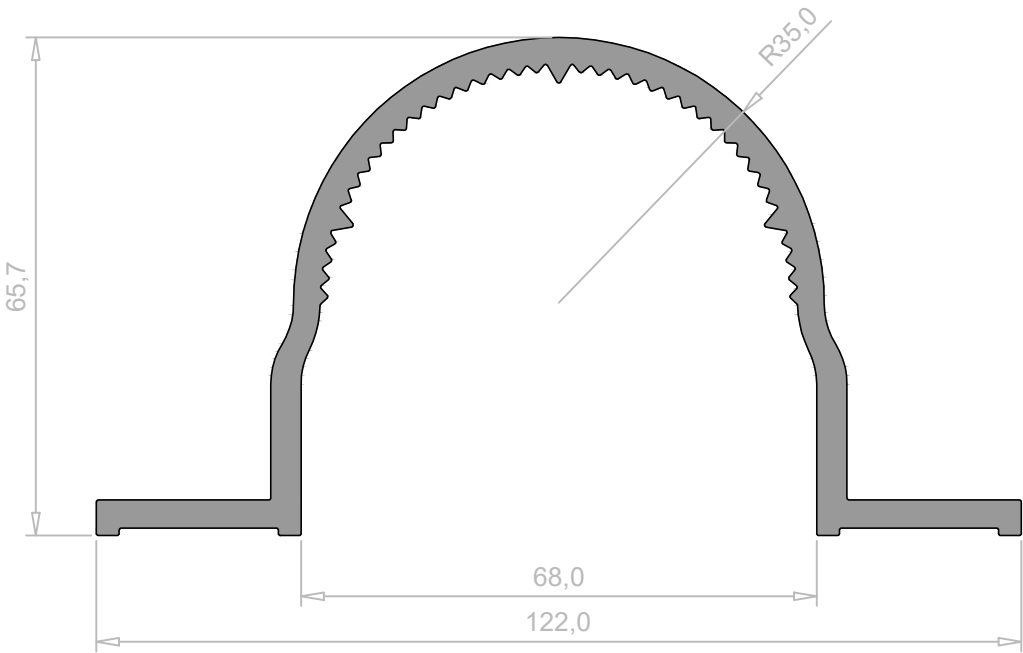


PZ00096	Espes.	Sup. Ext.	Sup. Total	Peso	PA92001	Espes.	Sup. Ext.	Sup. Total	Peso
-	2,0 mm	65,6 dm ² /m	65,6 dm ² /m	1,715 Kg/m	-	2.7 mm	695 dm ² /m	695 dm ² /m	2452 Kg/m
	Momento Inercia	Ix: 277,2cm ⁴	Iy: 13,2cm ⁴	Navarra		Momento Inercia	Ix: .cm ⁴	Iy: .cm ⁴	Navarra

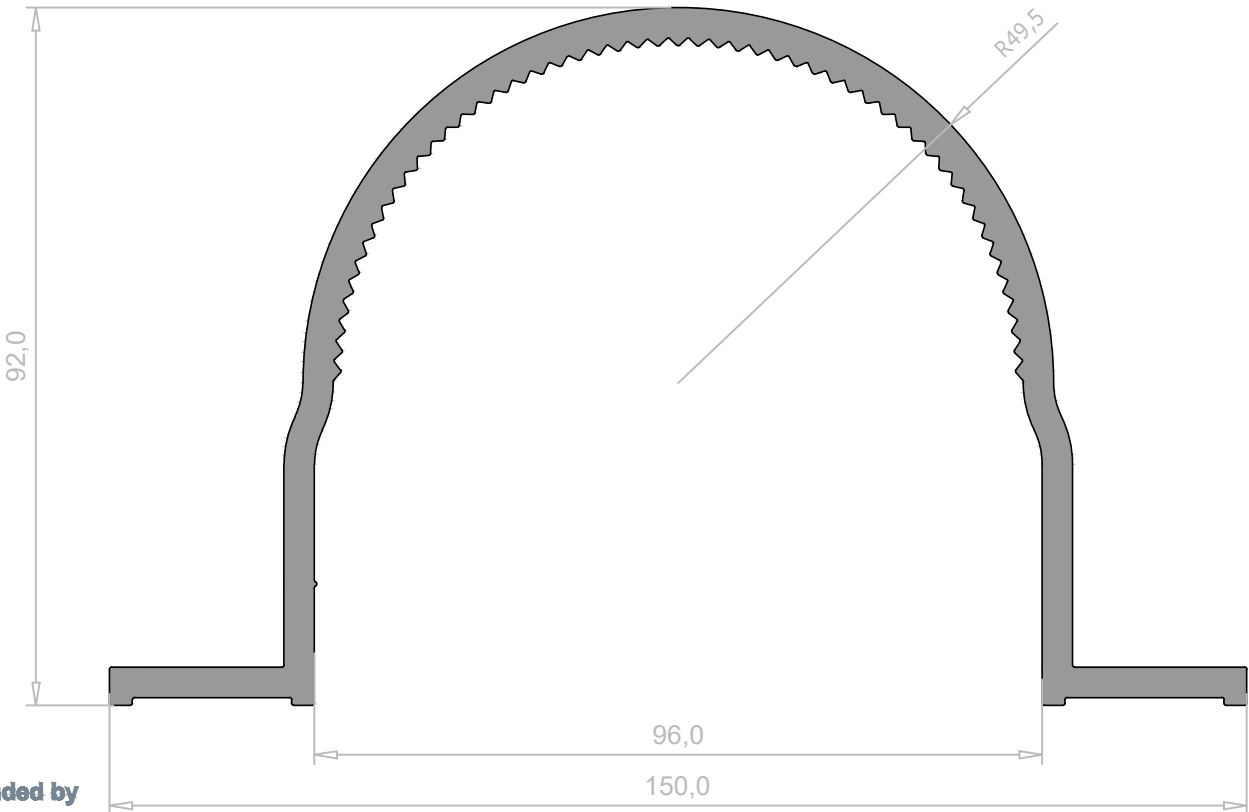




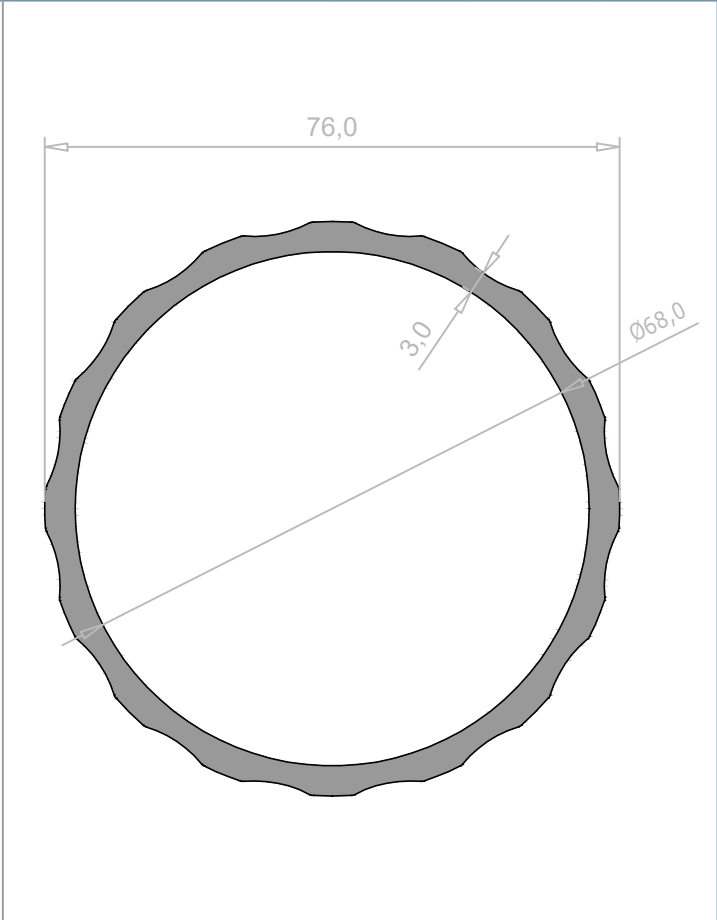
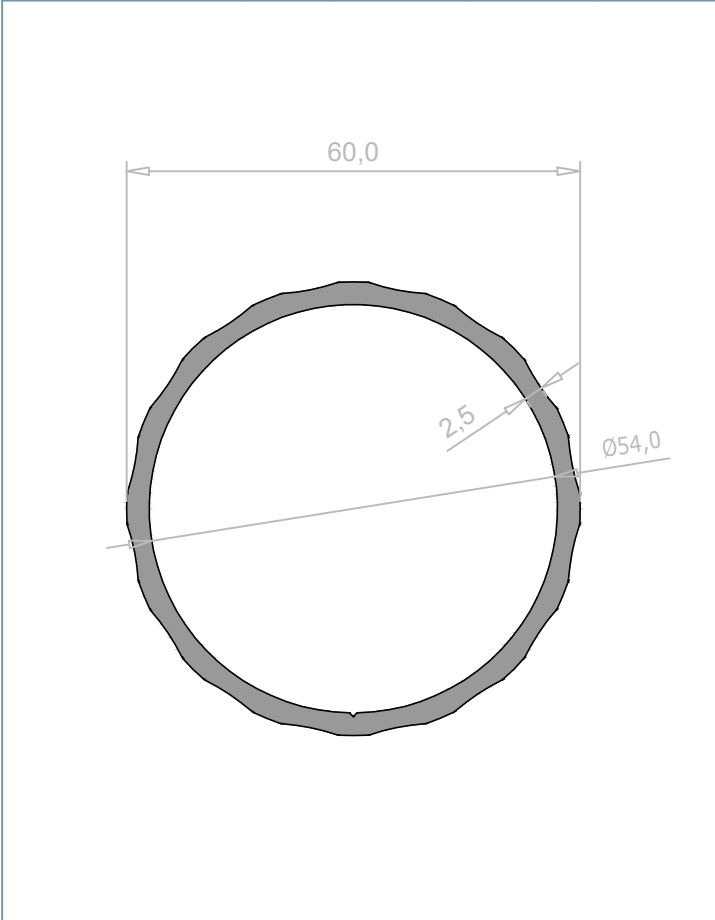
W-41	Espes.	Sup. Ext.	Sup. Total	Peso
-	3,5 mm	47,1 dm ² /m	47,1 dm ² /m	2,266 Kg/m
	Momento Inercia	Ix: 44,2cm ⁴	Iy: 98,0cm ⁴	Avintes



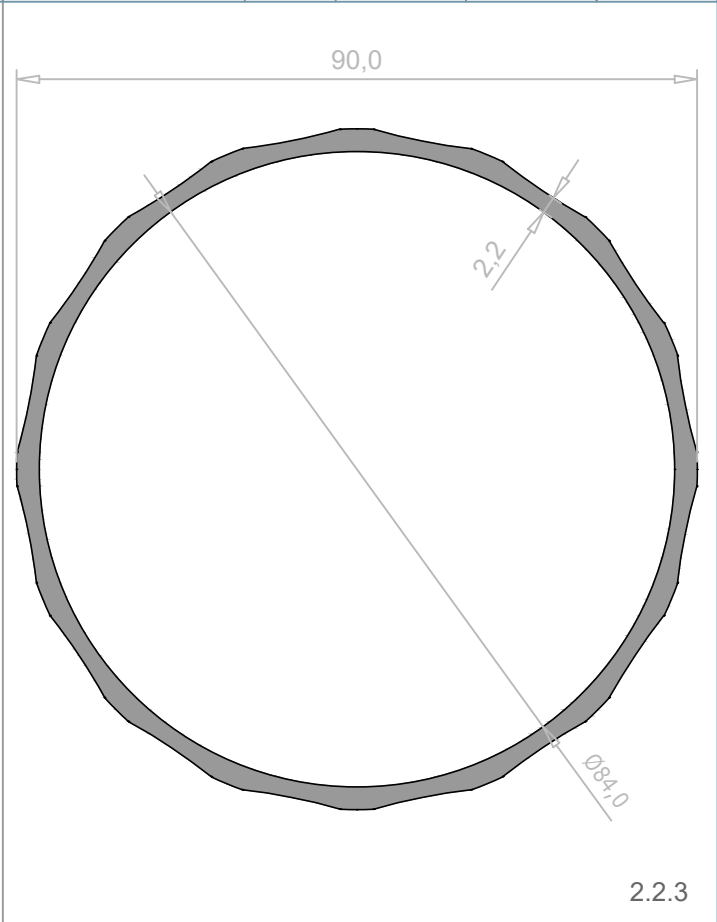
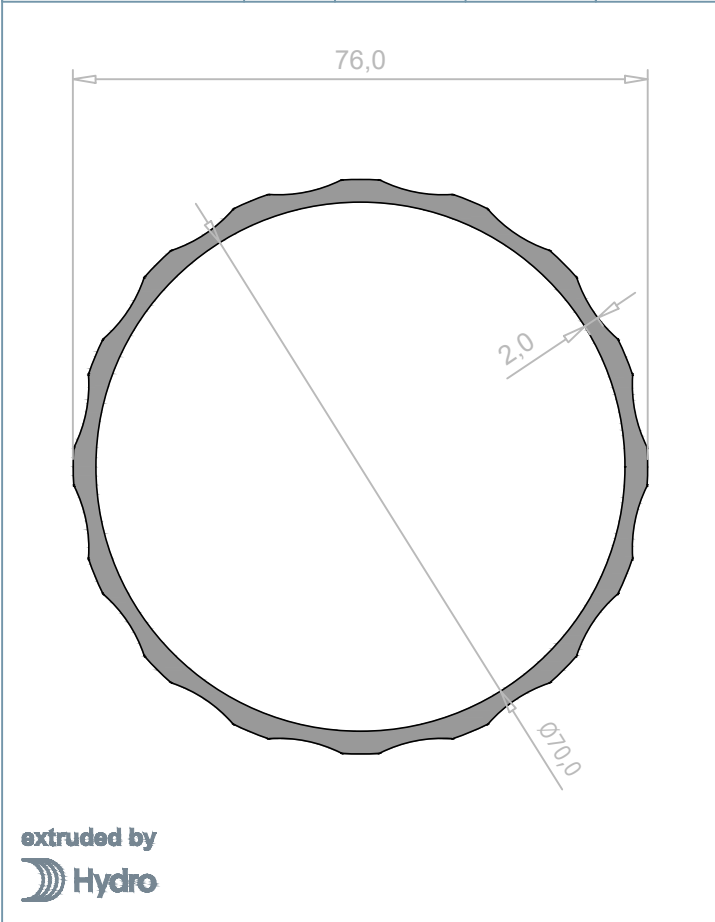
W-42	Espes.	Sup. Ext.	Sup. Total	Peso
-	4 mm	61 dm ² /m	61 dm ² /m	3239 Kg/m
	Momento Inercia	Ix: 122,2cm ⁴	Iy: 237,2cm ⁴	Avintes



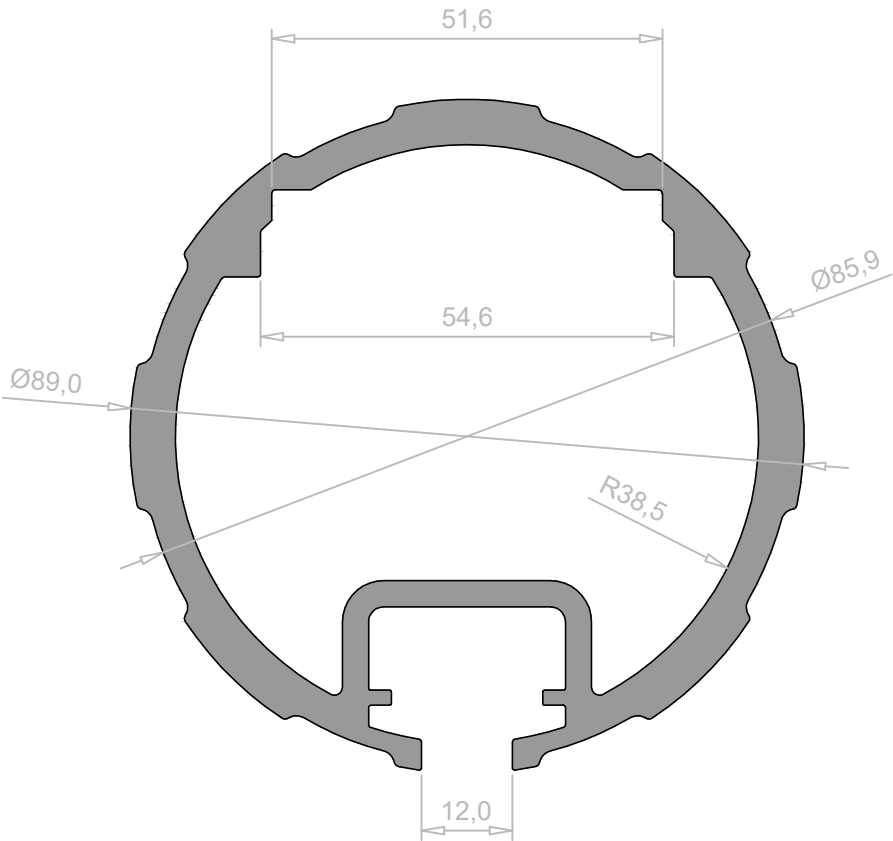
H995162	Espes.	Sup. Ext.	Sup. Total	Peso	19117	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	18,9 dm ² /m	35,9 dm ² /m	1,337 Kg/m	-	- mm	24,1 dm ² /m	45,4 dm ² /m	2,182 Kg/m
	Momento Inercia	Ix: 20,02 cm ⁴	Iy: 20,02 cm ⁴	La Roca		Momento Inercia	Ix: 51,8 cm ⁴	Iy: 51,8 cm ⁴	La Roca



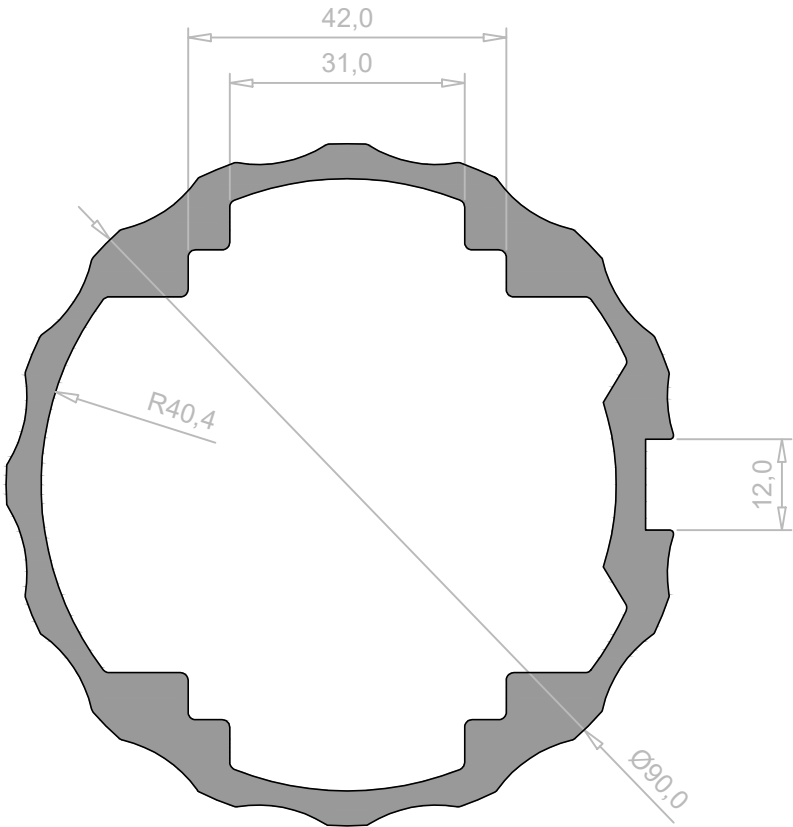
H993002	Espes.	Sup. Ext.	Sup. Total	Peso	H993003	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	24,0 dm ² /m	46,0 dm ² /m	1,571 Kg/m	-	- mm	28,2 dm ² /m	54,6 dm ² /m	1,925 Kg/m
	Momento Inercia	Ix: 38,3 cm ⁴	Iy: 38,3 cm ⁴	La Roca		Momento Inercia	Ix: 66,9 cm ⁴	Iy: 66,9 cm ⁴	La Roca



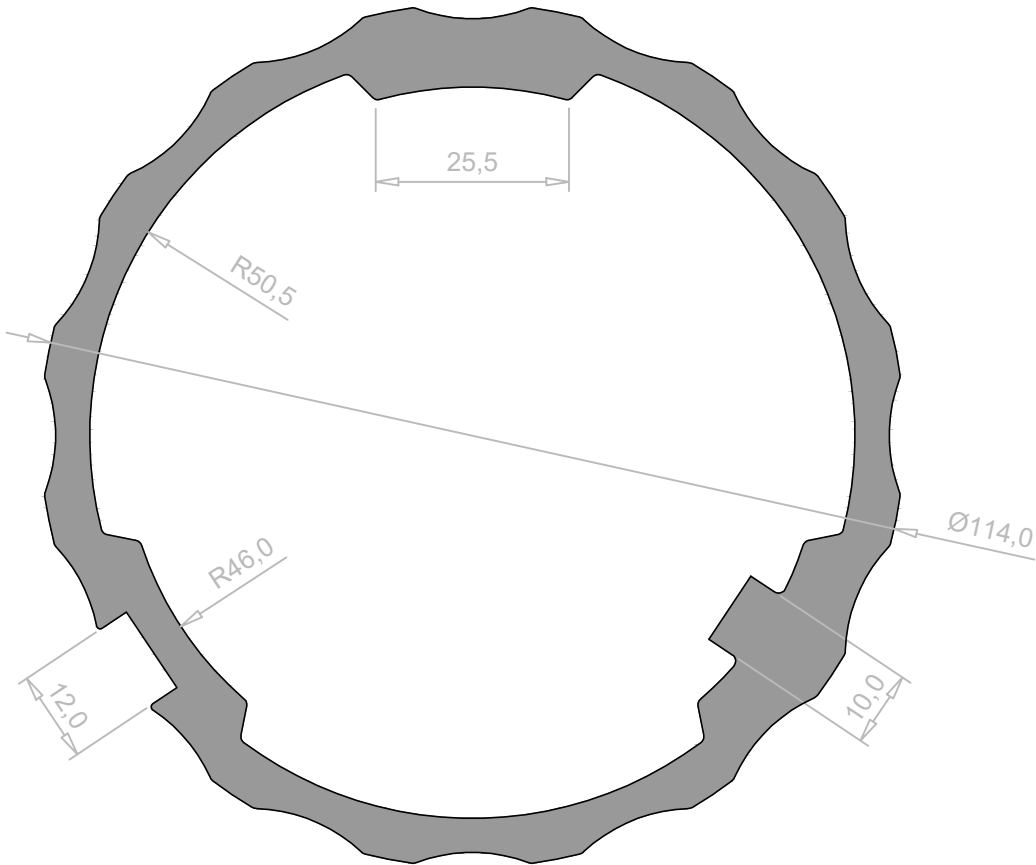
CK-96-44	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	36,2 dm ² /m	63,8 dm ² /m	4,055 Kg/m
	Momento Inercia	Ix: 115,2 cm ⁴	Iy: 122,3 cm ⁴	Avintes



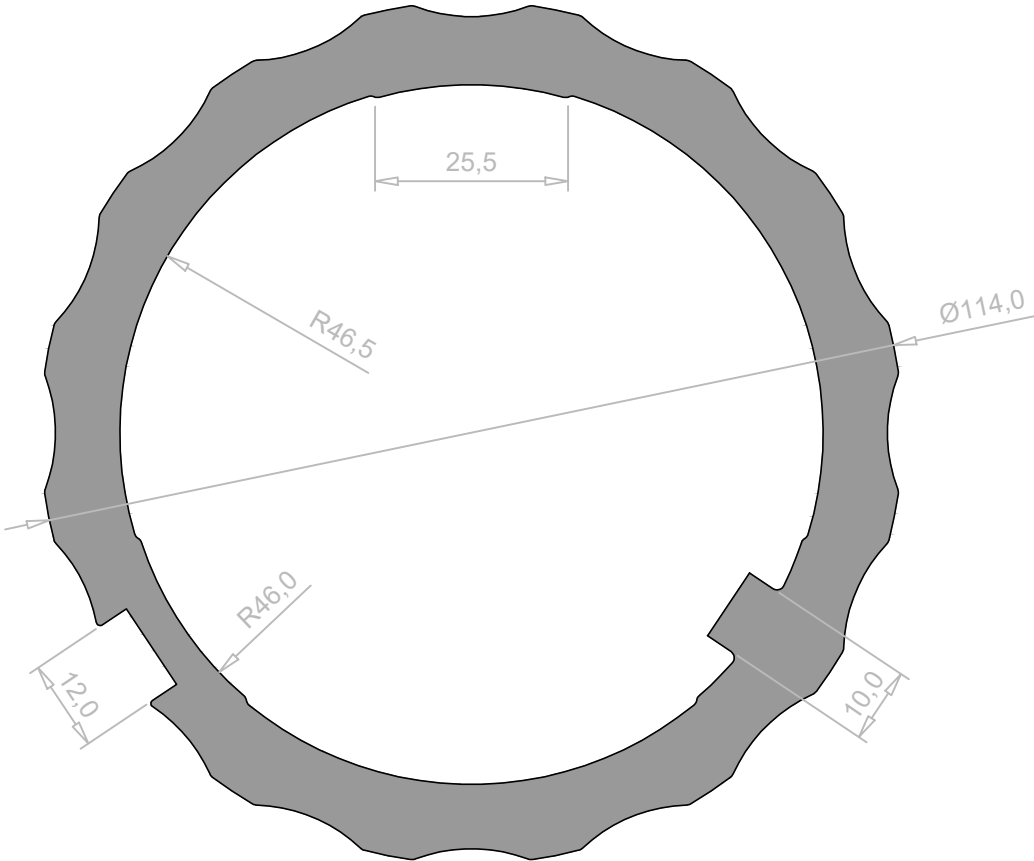
11310	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	29,3 dm ² /m	57,4 dm ² /m	3,919 Kg/m
	Momento Inercia	Ix: 124,3 cm ⁴	Iy: 118,2 cm ⁴	La Roca



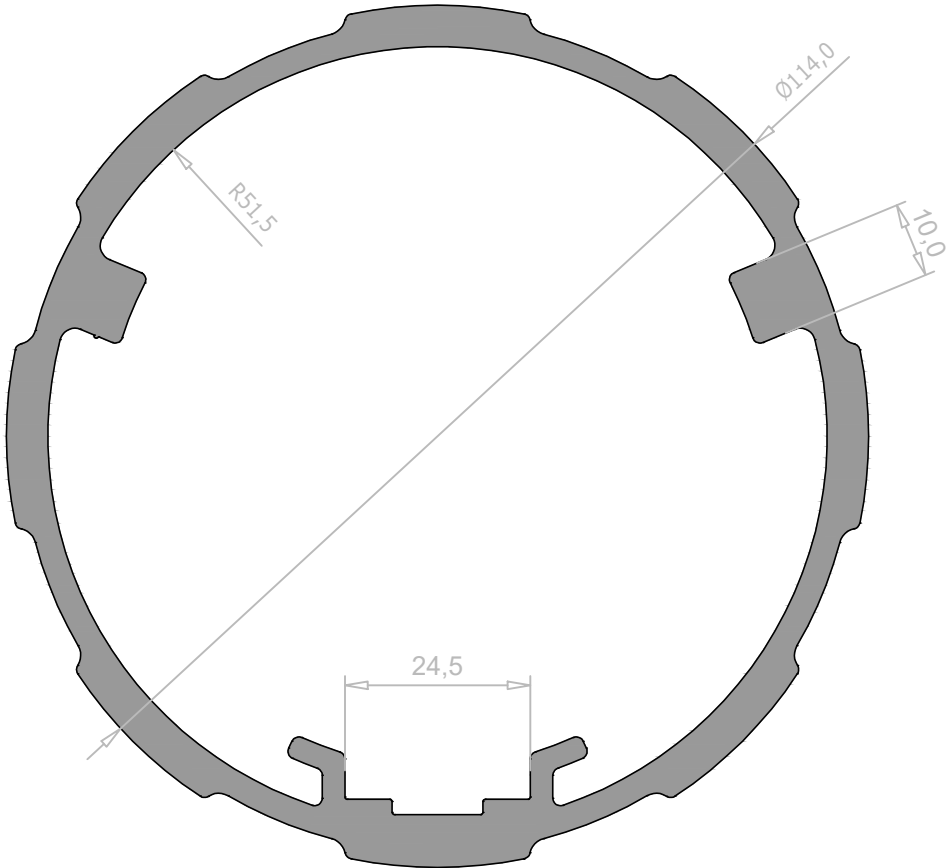
11311	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	37,0 dm ² /m	70,3 dm ² /m	6,061 Kg/m
	Momento Inercia	Ix: 312,7 cm ⁴	Iy: 300,8 cm ⁴	La Roca



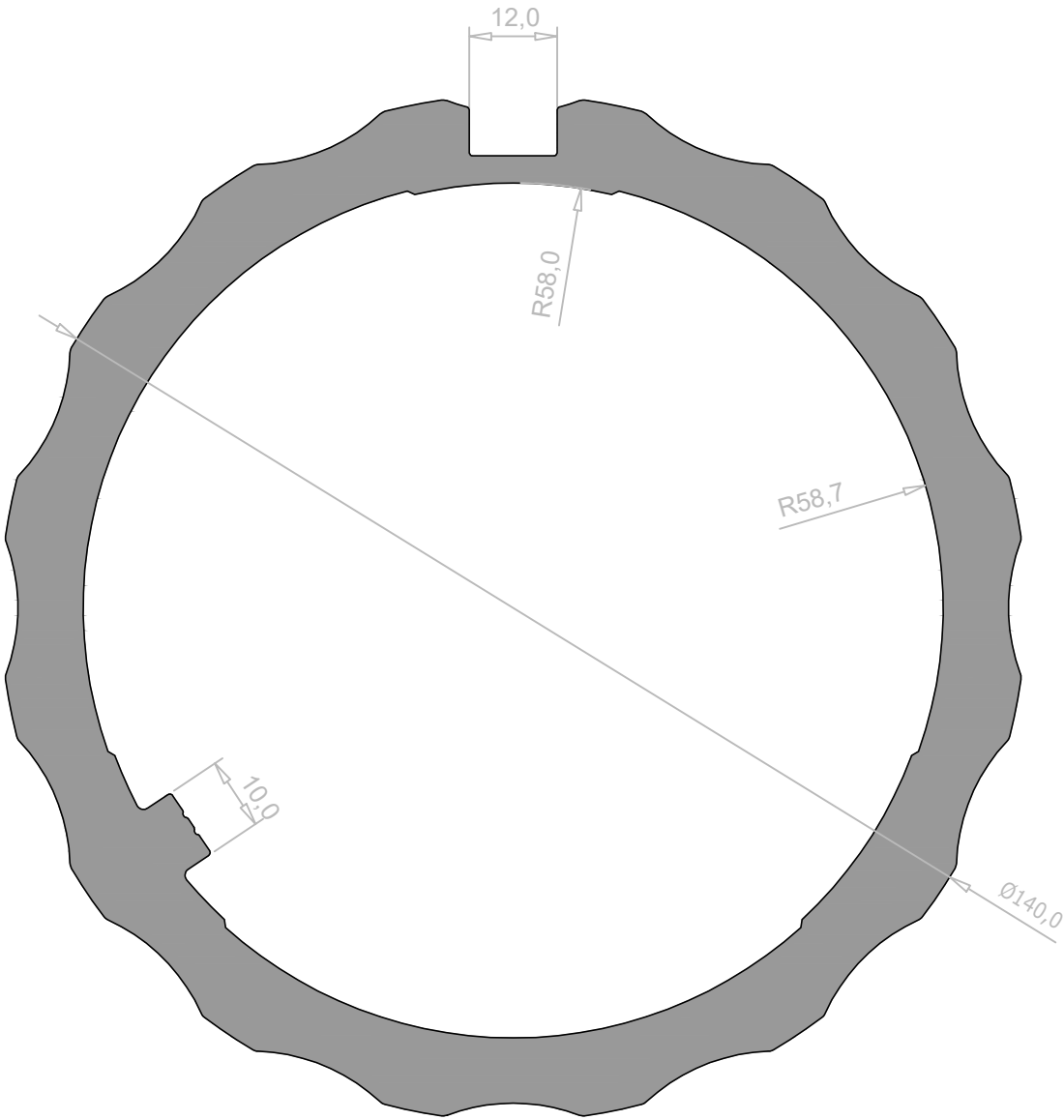
11845	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	37,0 dm ² /m	67,1 dm ² /m	8,409 Kg/m
	Momento Inercia	Ix: 410,7 cm ⁴	Iy: 405,3 cm ⁴	La Roca



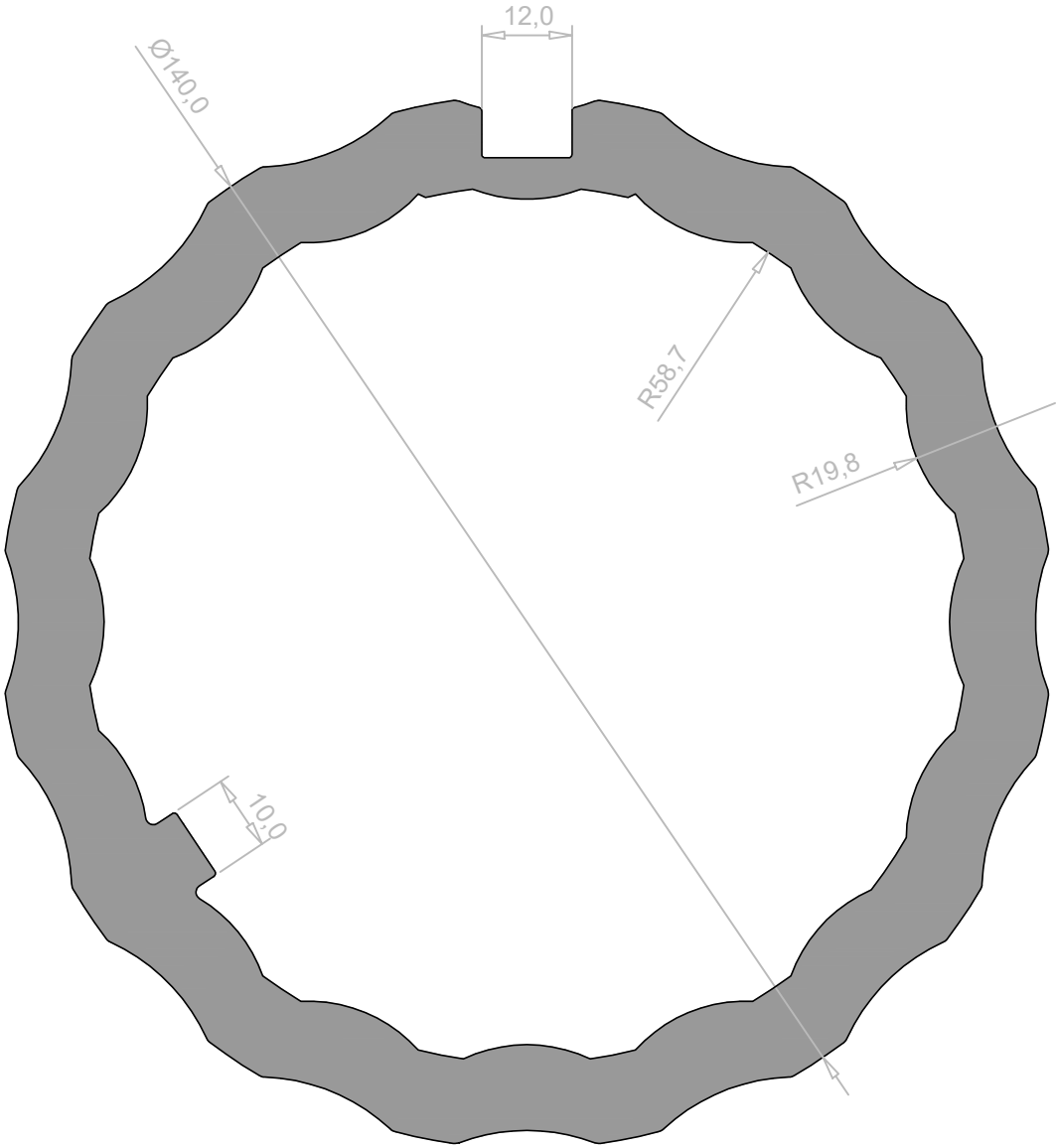
CK-96-48	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	36,6 dm ² /m	76,6 dm ² /m	5.009 Kg/m
	Momento Inercia	Ix: 261,0 cm ⁴	Iy: 261,8 cm ⁴	Avintes



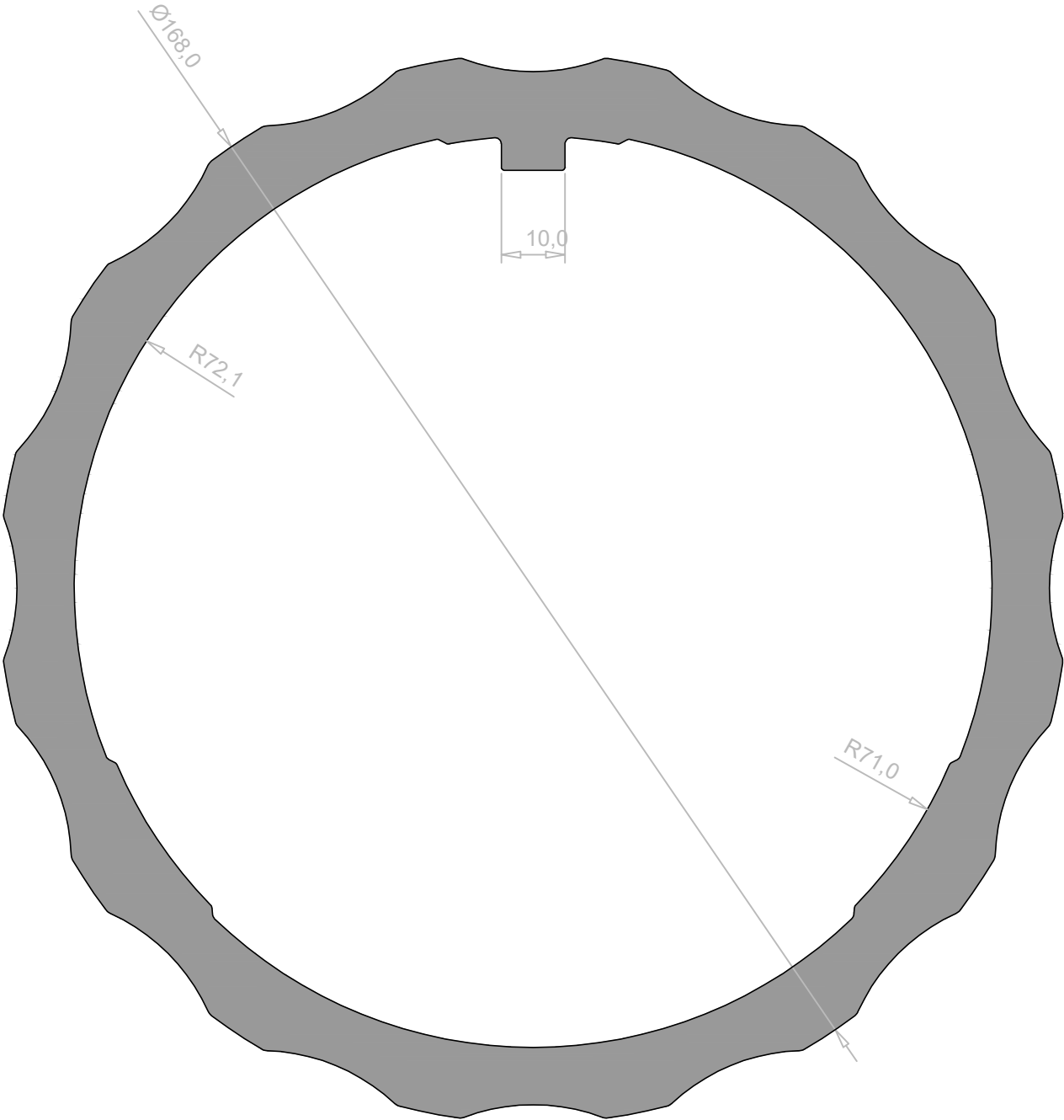
11313	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	45,8 dm ² /m	83,6 dm ² /m	11,170 Kg/m
	Momento Inercia	Ix: 821,9 cm ⁴	Iy: 857,9 cm ⁴	La Roca



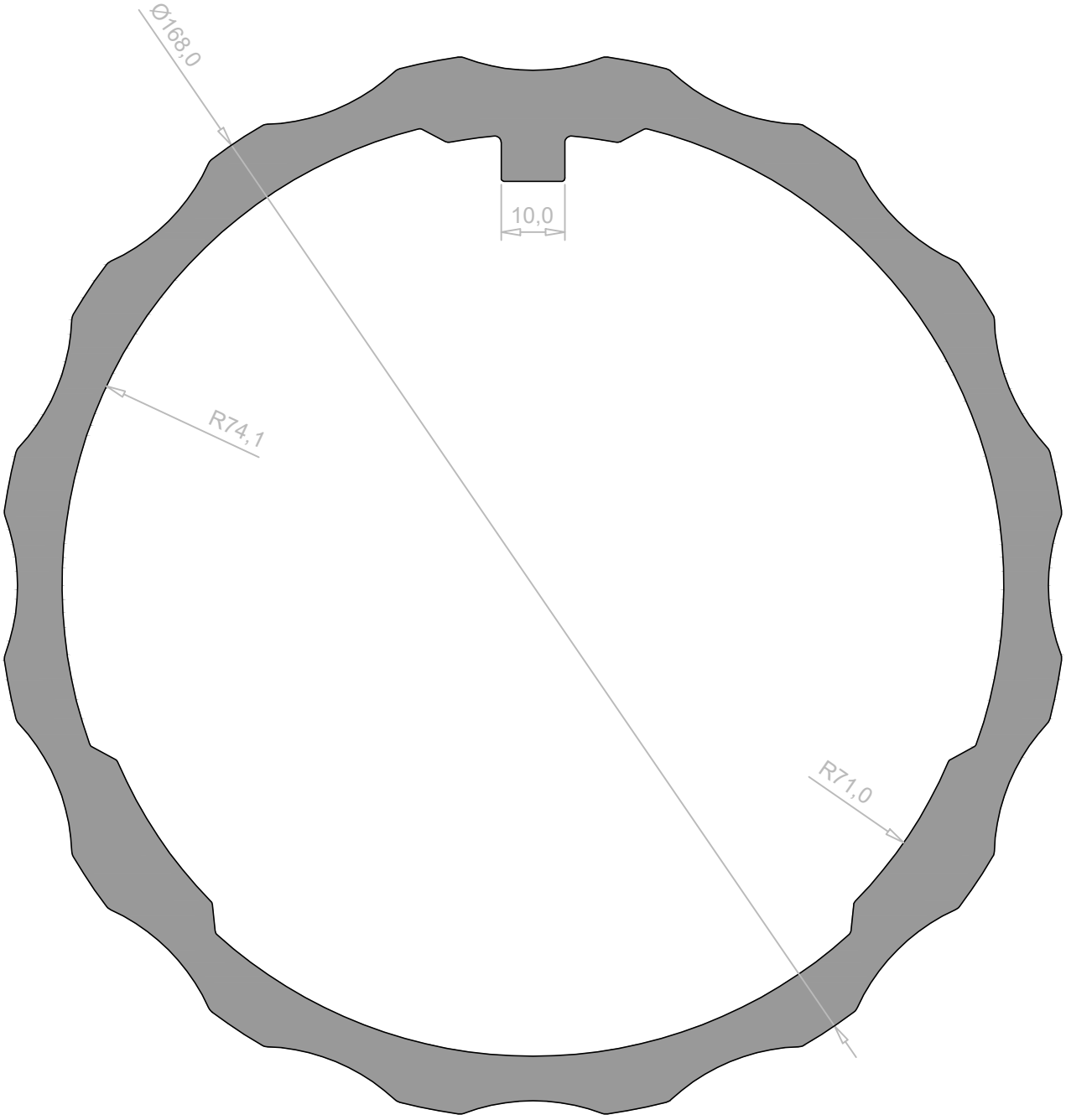
11844	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	45,8 dm ² /m	84,0 dm ² /m	12,292 Kg/m
	Momento Inercia	Ix: 890,7 cm ⁴	Iy: 926,7 cm ⁴	La Roca



11843	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	53,5 dm ² /m	99,8 dm ² /m	14,310 Kg/m
	Momento Inercia	Ix:1597,4 cm ⁴	Iy:1568,9 cm ⁴	La Roca



11312	Espes.	Sup. Ext.	Sup. Total	Peso
-	- mm	53,5 dm ² /m	101,6 dm ² /m	12,411 Kg/m
	Momento Inercia	Ix:1417,0 cm ⁴	Iy:1372,4 cm ⁴	La Roca





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Na Iberia, a Hydro Extrusion, baseia o seu modelo de negocio com a colaboração com os clientes para o desenvolver de soluções mais inovadoras e eficazes baseadas nos perfis de aluminio extrudido, produzidos em qualquer das nossas quatro fabricas de extrusión na península ibérica. Desde o nosso extenso portfólio de productos, temos uma gama de soluções de perfis standard: barras, tubos... servidos com garantia de qualidade e serviço da Hydro, e as vantagens do aluminio extrudido.

- **Hydro Extrusion Spain S.A.U.**

- **Fábrica Irurtzun:**

- C/Aralar, 9,
31860 Irurtzun (Navarra)
Tel. **+34 948 507 125** Fax. **+34 948 507 136**

- **Fábrica La Roca:**

- Pl Can Font de la Parrera, s/n. St. Agnès de Malanyanes
E-08430 La Roca del Valles (Barcelona)
Tel. **+34 937 078 200** Fax. **+34 938 422 027**.

- **Fábrica La Selva:**

- Pl Milenium. Avda. Aluminio s/n.
43470 La Selva del Camp (Tarragona)
Tel. **+34 977 307 000** Fax. **+34 977 307 001**.

- **Hydro Aluminium Extrusion Portugal HAEP S.A.**

- **Fábrica Avintes:**

- Travessa Nova das Alheiras, 216
4415-272 Pedroso
Tel. **+351 22 786 59 00** Fax. **+351 22 786 59 47**

Web www.hydro.com Mail info.profiles.es@hydro.com