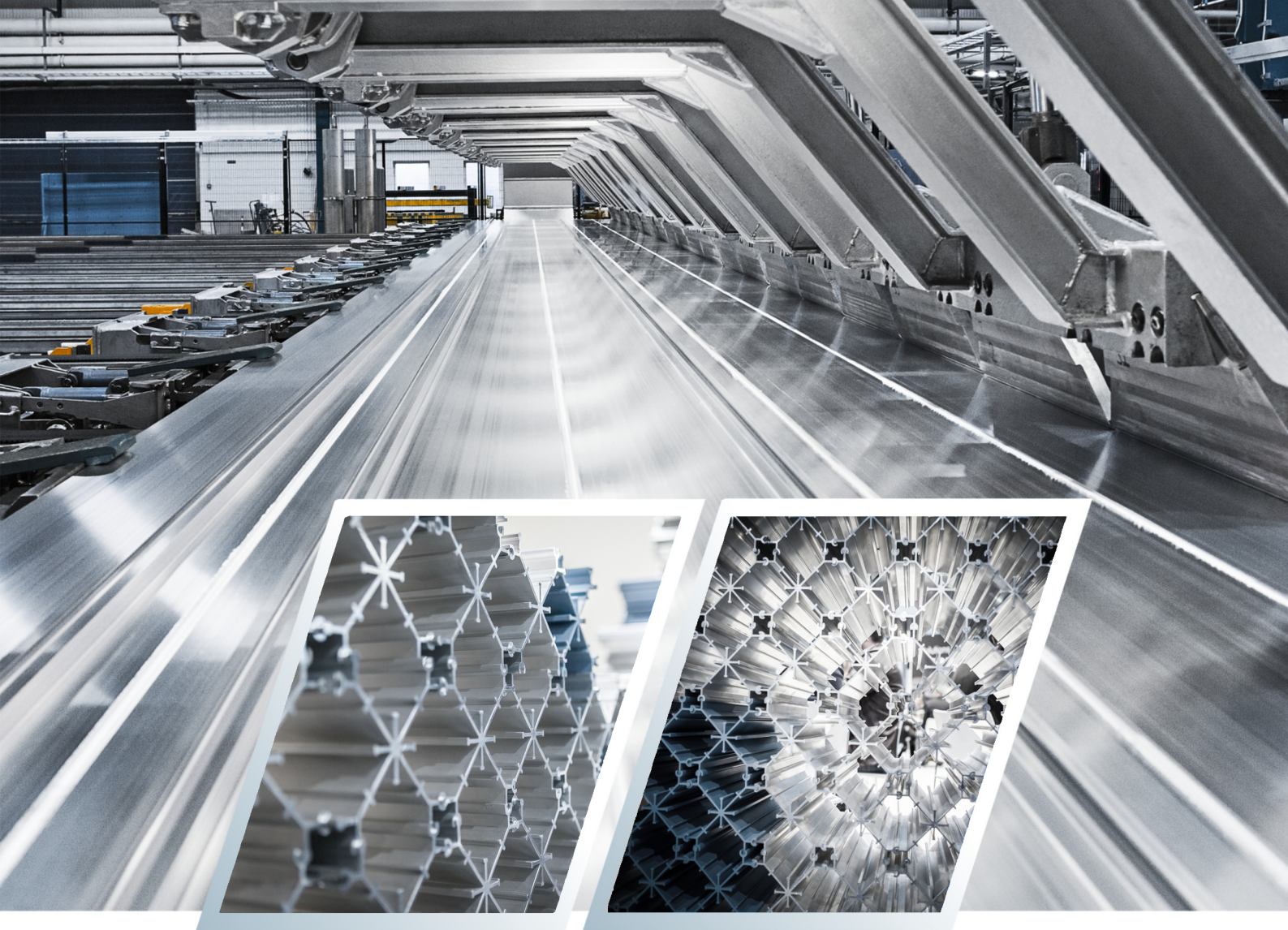




LÂMINAS PARASOL

LD

ISO 9001
ISO 14001

JULHO 2020



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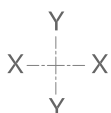
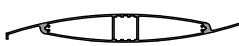
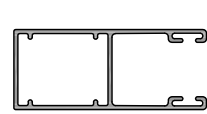
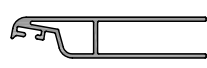
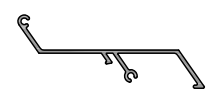
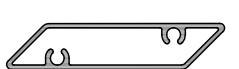
1. LISTAGEM

2. PERFIS 1:1

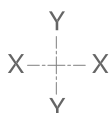
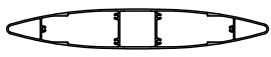
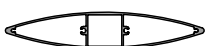
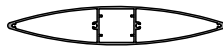
1. Laminas de ventilação
2. Lamina treliça fixa
3. Lamina treliça móvel
4. Revestimento
5. Parasol
6. Guia Estor

1.- LISTAGEM

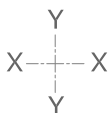
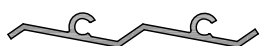
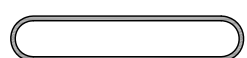
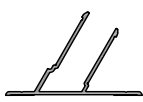
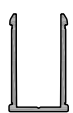
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Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia Ix (cm ⁴) Iy (cm ⁴)	Pág.
2072974 Navarra		Para sol: lâmina de 210 mm.	1,729	45,2 84,9	3,88 193,35	2.5.4
2072975 Navarra		Para sol: aba de 150 mm.	2,012	43,1 73,2	13,50 164,03	2.5.2
CB-12-06 Avintes		Guia estor	0,495	23,3 33,0	1,59 5,08	2.6.2
CH-87-06 Avintes		Meia lâmina máxima.	0,448	21,4 26,6	0,36 4,42	2.3.2
5005633 Navarra		Lâmina de ventilação.	0,500	25,5 25,5	6,39 5,57	2.1.2
E552022 Navarra		Lâmina treliça romboide.	0,594	14,4 31,5	3,70 5,30	2.2.3
E552040 Navarra		Lâmina treliça fixa.	0,348	11,1 21,5	0,20 3,00	2.2.2
E553594 Navarra		Lâmina treliça fixa poratfuso.	0,455	12,4 27,2	0,30 5,00	2.2.2
E554467 Navarra		Lâmina treliça fixa.	0,435	13,8 26,9	0,40 5,80	2.2.2
E554469 Navarra		Meia lâmina	0,437	17,4 24,2	0,64 3,36	2.3.1
E556128 Navarra		Revestimento	0,662	18,1 33,4	13,1 0,30	2.4.1

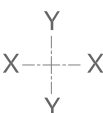
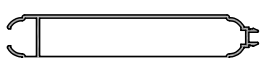
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Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia Ix (cm ⁴) Iy (cm ⁴)	Pág.
E557256 Navarra		Parasol: lâmina de 300 mm.	4,080	61,9 159,0	1003,9 40,61	2.5.5
E700555 Navarra		Suplemento para lâmina de folha de porta sem vidro	0,246	14,7 14,7	0,09 2,45	2.1.4
E700556 Navarra		Lâmina de ventilação parafusos.	0,311	16,0 16,0	2,00 1,00	2.1.1
E800344 Navarra		Lâmina ventilação parafuso.	0,599	28,8 28,8	4,00 4,60	2.1.3
E-2846 La Roca		Lâmina treliça fixa parafusos.	0,598	16,6 31,2	3,81 5,24	2.2.3
2094918 La Selva		Moldura de lâmina	0,315	15,9 15,9	0,17 3,14	2.1.3
E-11251 La Roca		Lâmina treliça fixa parafuso.	0,905	22,1 45,5	0,53 28,20	2.2.3
E-13983 La Roca		Revestimento	0,593	18,6 35,4	0,27 12,56	2.4.1
E115096 Navarra		Lâmina treliça fixa.	0,262	11,0 21,5	0,16 2,24	2.2.1
E-17154 La Roca		Parasol: lâmina de 205 mm.	2,778	42,4 99,4	16,29 322,08	2.5.4
E-17155 La Roca		Parasol: lâmina de 255 mm.	3,707	52,6 125,2	31,12 642,86	2.5.5

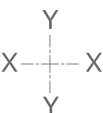
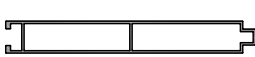
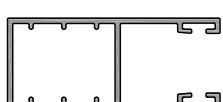
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia Ix (cm ⁴) Iy (cm ⁴)	Pág.
E-17740 La Roca		Lâmina treliça fixa parafuso.	0,378	11,1 24,5	0,22 3,54	2.2.2
E-300311 La Roca		Moldura lâmina E-300312	0,356	17,7 17,7	0,42 3,47	2.1.4
2000312 Navarra		Lâmina ventilação	0,371	18,1 18,1	3,20 1,70	2.1.2
E-357541 La Roca		Lâmina treliça fixa.	0,292	11,1 21,7	0,20 2,60	2.2.1
2062826 Navarra		Lâmina treliça fixa.	0,291	11,1 21,5	0,19 2,51	2.2.1
2064880 Navarra		Lâmina treliça móvel.	0,523	19,8 34,5	0,72 9,22	2.3.1
2064882 Navarra		Meia lâmina máxima.	0,409	21,5 27,0	0,34 4,02	2.3.1
E-366166 La Roca		Lâmina treliça fixa.	0,434	13,8 26,8	0,41 5,81	2.2.2
E-378908 La Roca		Base clipe 60°.	0,759	33,4 33,4	7,75 4,61	2.5.6
E-378909 La Roca		Base clipe U.	0,415	18,3 18,3	2,02 1,11	2.5.6
E-378912 La Roca		Parasol: lâmina de 190 mm.	2,006	50,2 90,9	6,74 241,45	2.5.3

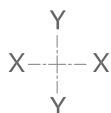
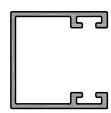
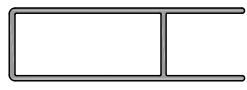
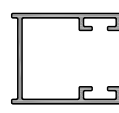
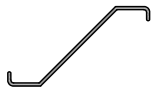
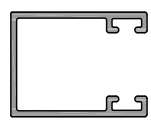
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia I _x (cm ⁴) I _y (cm ⁴)	Pág.
E-378913 La Roca		Parasol: lâmina de 115 mm.	1,231	23,0 58,9	4,64 54,19	2.5.4
E-503775 La Roca		Revestimento	0,893	24,9 45,4	0,63 32,85	2.4.1
E-3700054 La Roca		Lâmina ventilação parafuso	0,324	16,9 16,9	1,60 2,80	2.1.2
M-1395 La Roca		Lâmina treliça fixa	0,265	7,9 15,0	0,10 1,10	2.2.1
M-1407 La Roca		Lâmina treliça móvel	0,488	20,0 29,8	0,28 8,08	2.3.1
M-1817 La Roca		Lâmina treliça fixa	0,378	11,1 21,5	0,23 3,24	2.2.1
M-2173 La Roca		Recobrimento 128 mm.	0,549	31,0 31,0	0,19 28,81	2.1.4
M-3777 La Roca		Revestimento	0,840	27,9 47,0	1,89 31,50	2.4.3
M-3839 La Roca		Lâmina treliça fixa	0,321	11,1 21,5	0,21 2,78	2.2.2
M-3844 La Roca		Meia lâmina máxima.	0,385	21,6 26,7	0,32 3,99	2.3.2
M-3846 La Roca		Lâmina treliça móvel	0,502	19,8 34,7	0,69 8,97	2.3.1

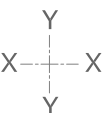
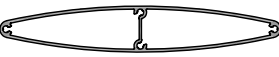
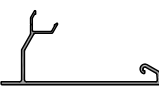
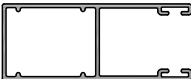
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia I _x (cm ⁴) I _y (cm ⁴)	Pág.
M-4145 La Roca		Lâmina ventilação parafusos	0,358	17,0 17,0	2,35 2,3	2.1.1
M-5215 La Roca		Revestimento	0,948	26,1 53,5	2,44 40,23	2.4.2
PD60006 Navarra		Parasol: lâmina de 151 mm.	1,869	32,4 79,0	11,08 119,44	2.5.1
W-21 Avintes		Revestimento	0,971	26,6 46,8	2,19 28,53	2.4.2
W-25 Avintes		Revestimento	0,887	26,6 54,2	2,25 36,06	2.4.3
W-26 Avintes		Revestimento	0,867	20,1 41,9	2,03 19,30	2.4.1
W-27 Avintes		Revestimento	1,531	38,5 73,6	4,16 133,33	2.4.4
W-92 Avintes		Revestimento	0,897	25,4 51,7	2,25 36,06	2.4.3
Y-110 Avintes		Guia estor	0,571	23,0 33,1	1,79 5,58	2.6.1
Y-136 Avintes		Parasol: asa de 120 mm.	0,960	24,6 52,3	1,47 40,30	2.5.1
Z-02 Avintes		Lâmina ventilação parafuso	0,322	16,5 16,5	2,13 1,45	2.1.1

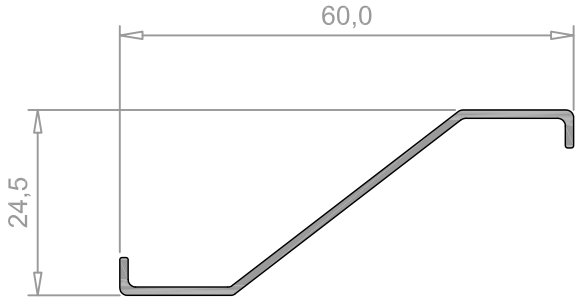
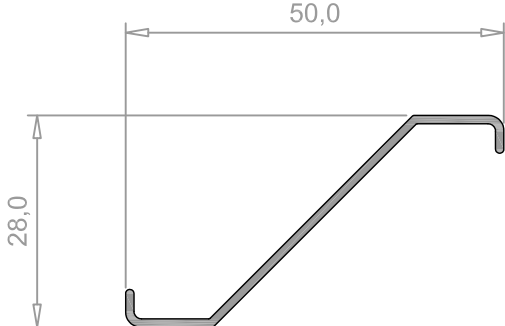
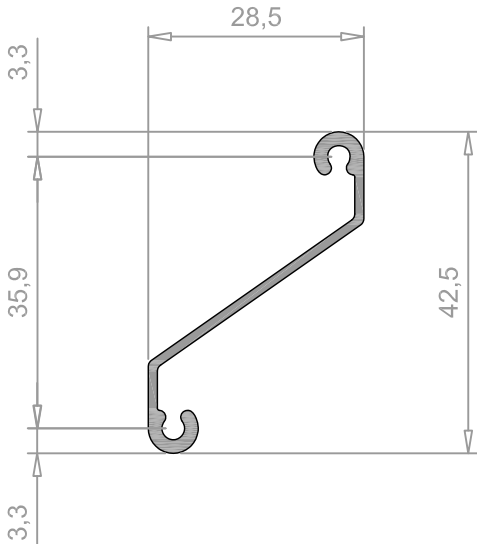
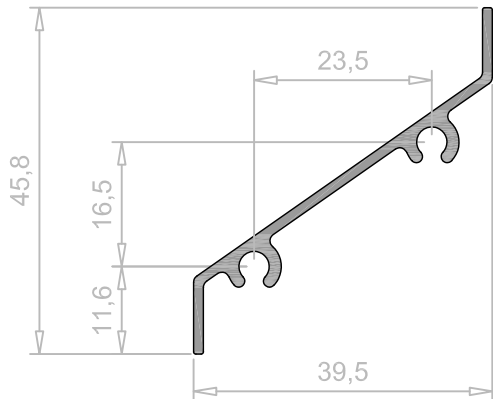
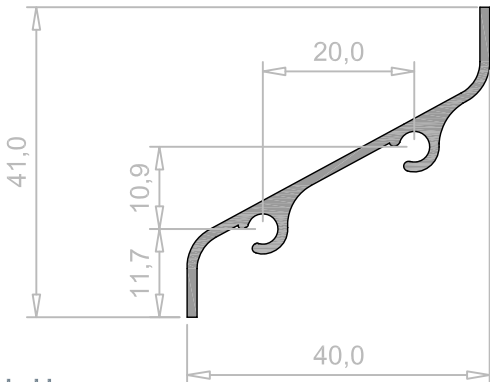
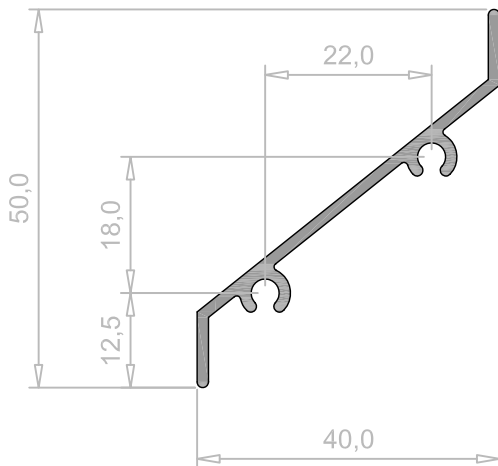
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia Ix (cm ⁴) Iy (cm ⁴)	Pág.
Z-04 Avintes		Lâmina ventilação parafuso	0,270	14,4 14,4	1,09 1,90	2.1.1
Z-09 Avintes		Guia estor	0,302	17,9 17,9	1,19 0,86	2.6.1
Z-14 Avintes		Lâmina ventilação	0,225	15,1 15,1	0,71 2,78	2.1.1
Z-17 Avintes		Guia estor	0,398	15,4 22,0	0,85 2,08	2.6.1
Z-18 Avintes		Guia estor	0,236	19,4 30,0	1,24 6,67	2.6.2
Z-30 Avintes		Guia estor	0,236	17,5 17,5	0,65 0,61	2.6.1
Z-37 Avintes		Lâmina ventilação	0,201	13,7 13,7	0,80 1,64	2.1.1
Z-40 Avintes		Lâmina treliça fixa	0,371	10,9 20,5	0,13 3,05	2.2.3
Z-47 Avintes		Lâmina treliça fixa.	0,225	6,7 14,2	0,08 0,87	2.2.1
Z-52 Avintes		Lâmina treliça móvel.	0,446	17,3 26,2	0,26 5,55	2.3.1
Z-55 Avintes		Guia estor	0,345	19,5 19,5	1,18 1,40	2.6.1

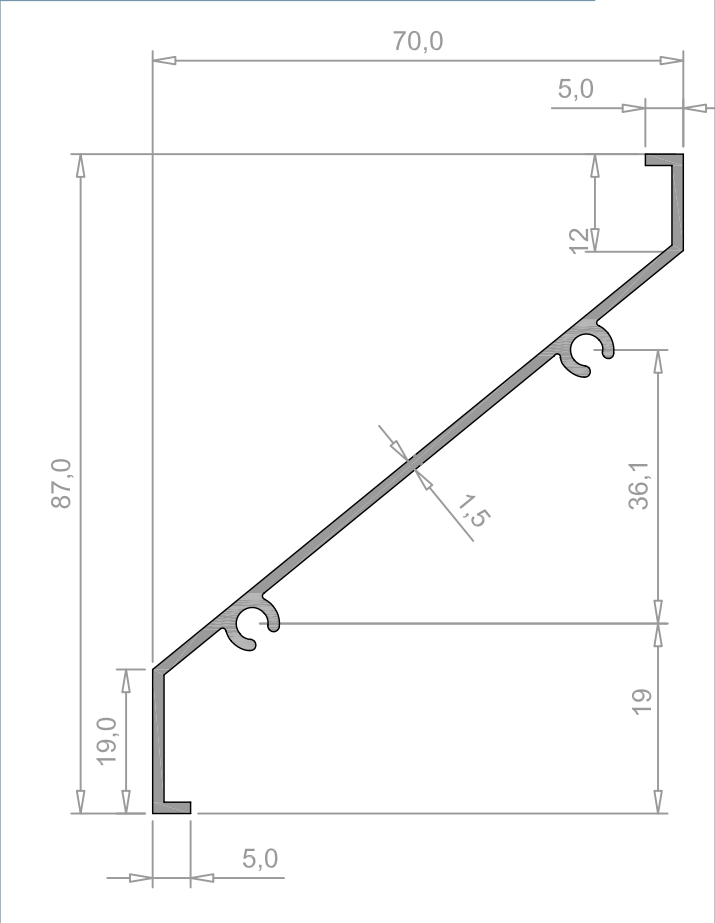
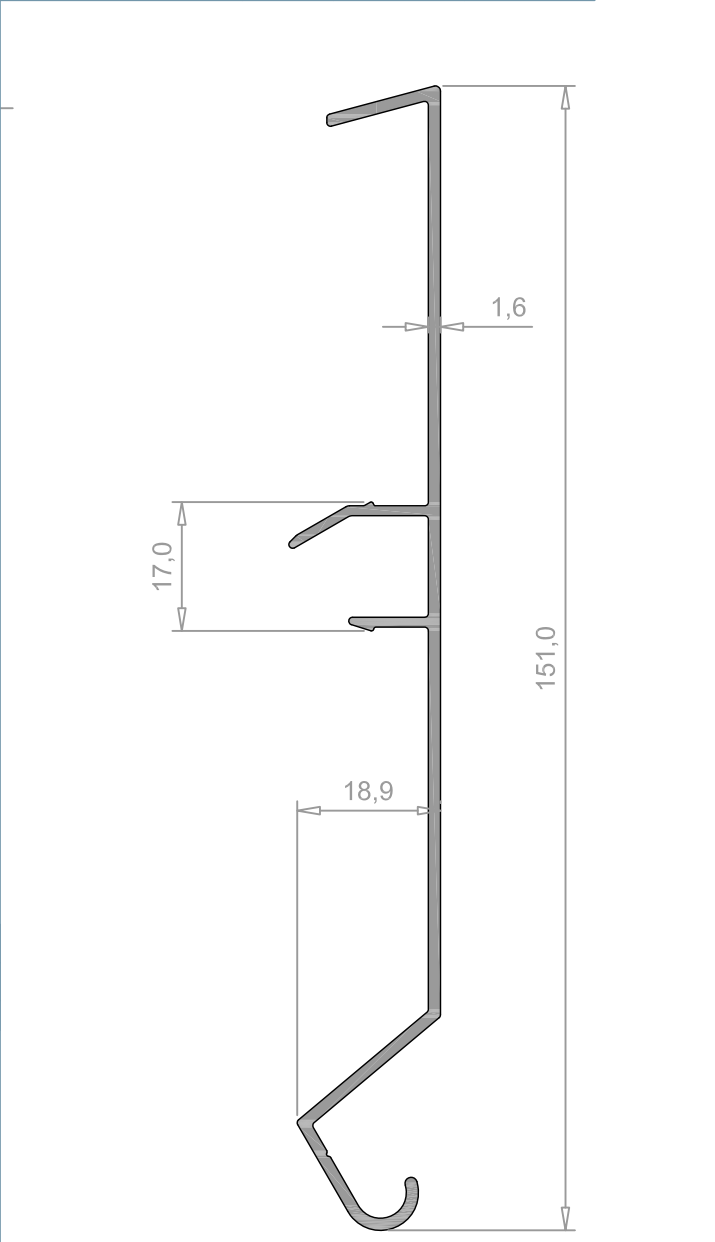
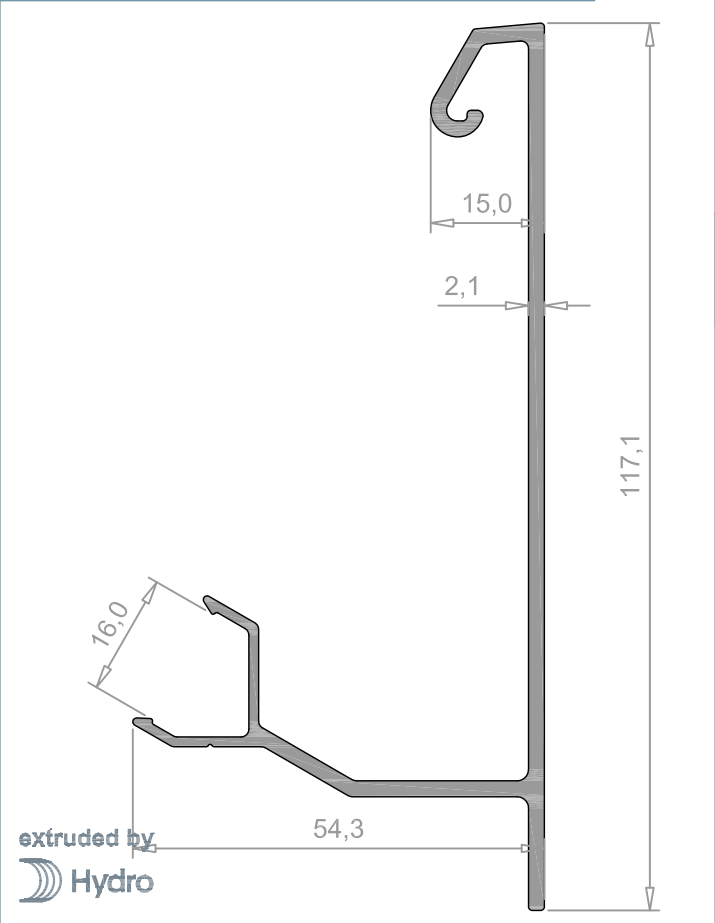
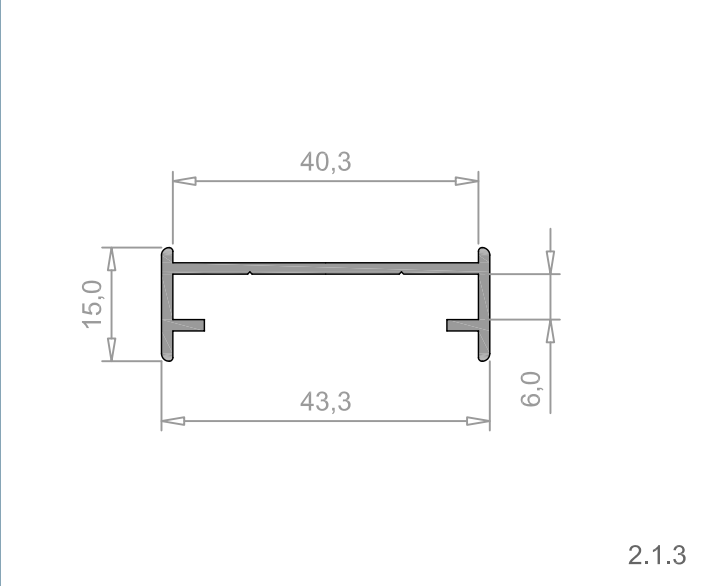
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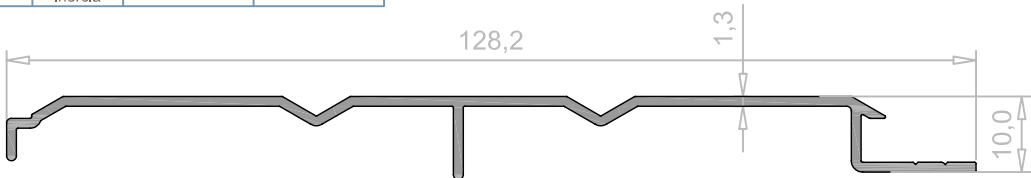
Perfil	Secção 	Descrição	Peso Kg./m	Momento		Pág.
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia Ix (cm ⁴) Iy (cm ⁴)	
Z-64 Avintes		Parasol: lâmina de 165 mm.	1,768	34,4 74,7	5,87 152,53	2.5.2
Z-67 Avintes		Lâmina de ventilação	1,162	43,6 43,6	9,28 59,58	2.1.3
Z-68 Avintes		Lâmina de ventilação	0,903	42,9 42,9	0,96 71,78	2.1.3
Z-93 Avintes		Guia estor	0,441	22,4 31,6	1,31 4,32	2.6.1

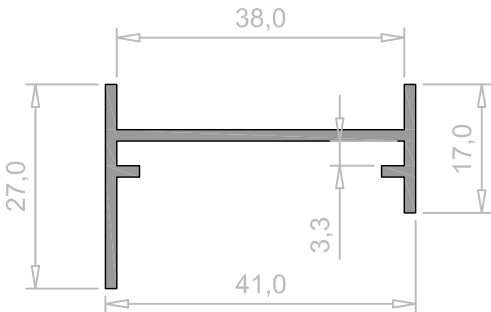
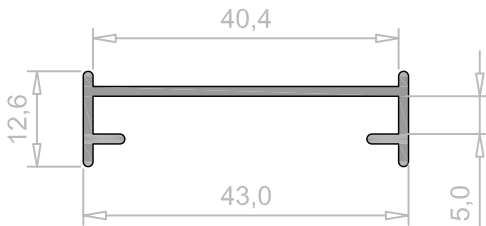
2.- PERFIS 1:1

Z-14	Espes.	Sup. Ext.	Sup. Total	Peso	Z-37	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina ventilación	1,1 mm	15,1 dm ² /m	15,1 dm ² /m	0,225 Kg/m	Lámina ventilación	1,1 mm	13,7 dm ² /m	13,7 dm ² /m	0,201 Kg/m
	Momento Inercia	Ix: 0,71 cm ⁴	Iy: 2,78 cm ⁴	AVI		Momento Inercia	Ix: 0,80 cm ⁴	Iy: 1,64 cm ⁴	AVI
									
Z-04	Espes.	Sup. Ext.	Sup. Total	Peso	Z-02	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina ventilación	1,2 mm	14,4 dm ² /m	14,4 dm ² /m	0,270 Kg/m	Lámina ventilación	1,3 mm	16,5 dm ² /m	16,5 dm ² /m	0,322 Kg/m
	Momento Inercia	Ix: 1,90 cm ⁴	Iy: 1,09 cm ⁴	AVI		Momento Inercia	Ix: 1,45 cm ⁴	Iy: 2,13 cm ⁴	AVI
									
E700556	Espes.	Sup. Ext.	Sup. Total	Peso	M-4145	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina ventilación	1,3 mm	16,0 dm ² /m	16,0 dm ² /m	0,311 Kg/m	Lámina ventilación	1,5 mm	17,0 dm ² /m	17,03 dm ² /m	0,385 Kg/m
	Momento Inercia	Ix: 1,00 cm ⁴	Iy: 2,00 cm ⁴	NAV		Momento Inercia	Ix: 2,30 cm ⁴	Iy: 2,35 cm ⁴	LAR
									
					2.1.1				

2000312	Espes.	Sup. Ext.	Sup. Total	Peso	E-3700054	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina ventilação	1,5 mm	18,1 dm ² /m	18,1 dm ² /m	0,371 Kg/m	Lámina ventilação	1,4 mm	16,9 dm ² /m	16,9 dm ² /m	0,324 Kg/m
	Momento Inércia	Ix: 1,70 cm ⁴	Iy: 3,20 cm ⁴	NAV		Momento Inércia	Ix: 2,80 cm ⁴	Iy: 1,60 cm ⁴	LAR
5005633	Espes.	Sup. Ext.	Sup. Total	Peso					
Lámina ventilação	1,3 mm	25,5 dm ² /m	25,5 dm ² /m	0,500 Kg/m					
	Momento Inércia	Ix: 5,57 cm ⁴	Iy: 6,39 cm ⁴	NAV					

E800344	Espes.	Sup. Ext.	Sup. Total	Peso	Z-68	Espes.	Sup. Ext.	Sup. Total	Peso
Lamina ventilação	1,5 mm	28,8 dm ² /m	28,8 dm ² /m	0,599 Kg/m	Lamina ventilação	1,6 mm	42,9 dm ² /m	42,9 dm ² /m	0,903 Kg/m
	Momento Inercia	Ix: 4,60 cm ⁴	Iy: 4,00 cm ⁴	NAV		Momento Inercia	Ix: 71,78 cm ⁴	Iy: 0,96 cm ⁴	AVI
									
Z-67	Espes.	Sup. Ext.	Sup. Total	Peso	2094918	Espes.	Sup. Ext.	Sup. Total	Peso
Lamina ventilação	2,1 mm	43,6 dm ² /m	43,6 dm ² /m	1,162 Kg/m	Estrutura de ventilação	1,5 mm	15,9 dm ² /m	15,9 dm ² /m	0,315 Kg/m
	Momento Inercia	Ix: 59,58 cm ⁴	Iy: 9,28 cm ⁴	AVI		Momento Inercia	Ix: 0,17 cm ⁴	Iy: 3,14 cm ⁴	LAS
									

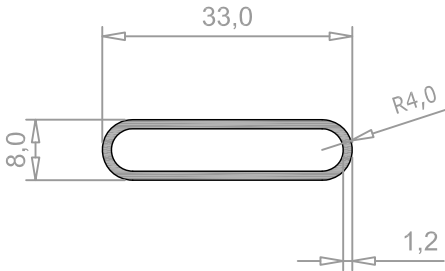
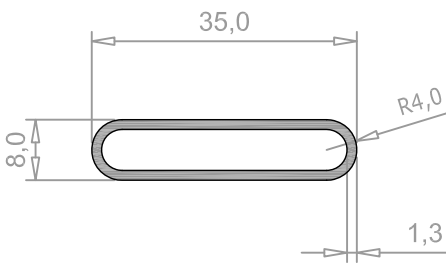
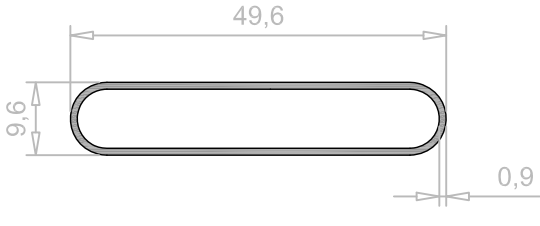
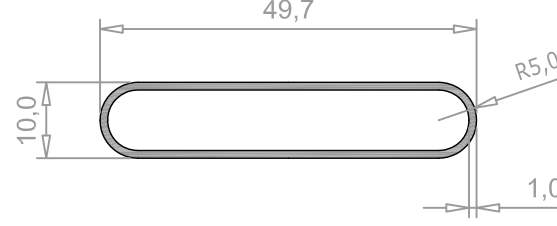
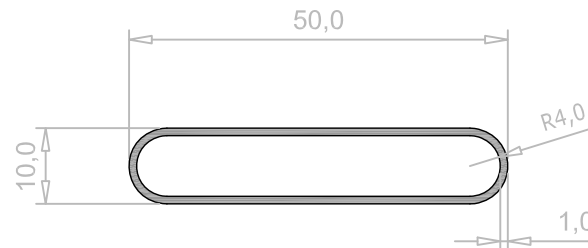
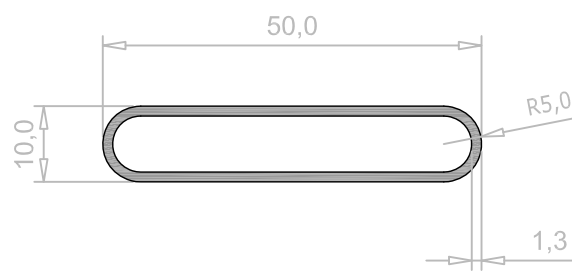
M-2173	Espes.	Sup. Ext.	Sup. Total	Peso					
Recobrimento 128 mm.	1,3 mm	31,0 dm ² /m	31,0 dm ² /m	0,549 Kg/m					
	Momento Inercia	Ix: 0,19 cm ⁴	Iy: 28,81 cm ⁴	LAR					
									

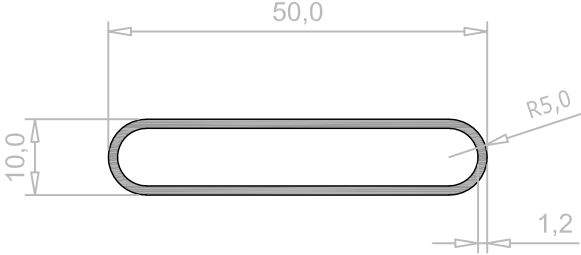
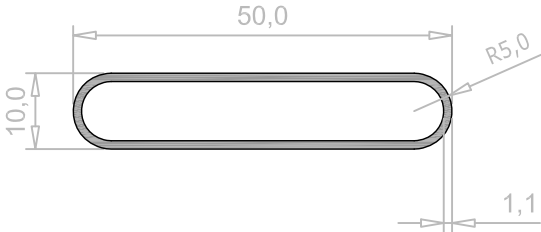
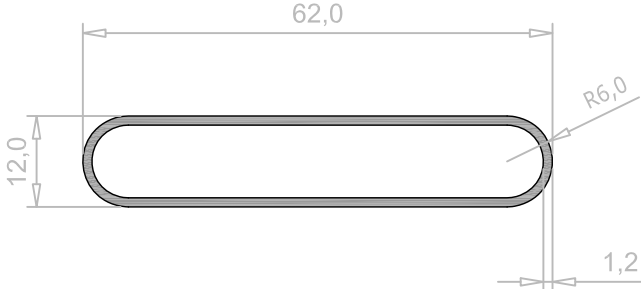
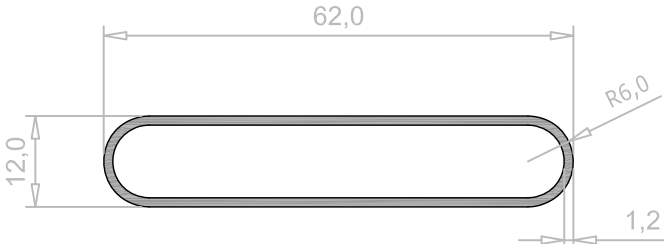
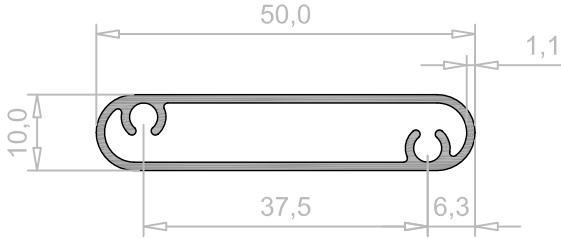
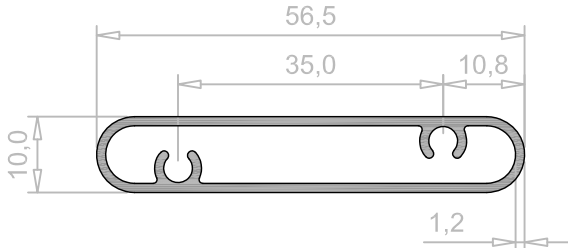
E-300311	Espes.	Sup. Ext.	Sup. Total	Peso	E700555	Espes.	Sup. Ext.	Sup. Total	Peso
Estrutura de lâmina	1,5 mm	17,7 dm ² /m	17,7 dm ² /m	0,356 Kg/m	Suplemento de lâmina de folha de porta sem vidro	1,3 mm	14,7 dm ² /m	14,7 dm ² /m	0,246 Kg/m
	Momento Inercia	Ix: 0,42 cm ⁴	Iy: 3,47 cm ⁴	LAR		Momento Inercia	Ix: 0,09 cm ⁴	Iy: 2,45 cm ⁴	NAV
									

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2.1.4

Z-47	Espes.	Sup. Ext.	Sup. Total	Peso	M-1395	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa	1,2 mm	6,7 dm ² /m	14,2 dm ² /m	0,225 Kg/m	Lámina de treliça fixa	1,3 mm	7,9 dm ² /m	15,0 dm ² /m	0,265 Kg/m
	Momento Inércia	Ix: 0,08 cm ⁴	Iy: 0,87 cm ⁴	AVI		Momento Inércia	Ix: 0,10 cm ⁴	Iy: 1,10 cm ⁴	LAR
									
E115096	Espes.	Sup. Ext.	Sup. Total	Peso	2062826	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa	0,9 mm	11,0 dm ² /m	21,5 dm ² /m	0,262 Kg/m	Lámina de treliça fixa	1,0 mm	11,1 dm ² /m	21,5 dm ² /m	0,291 Kg/m
	Momento Inércia	Ix: 0,16 cm ⁴	Iy: 2,24 cm ⁴	NAV		Momento Inércia	Ix: 0,19 cm ⁴	Iy: 2,51 cm ⁴	NAV
									
E-357541	Espes.	Sup. Ext.	Sup. Total	Peso	M-1817	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa	1,0 mm	11,1 dm ² /m	21,7 dm ² /m	0,292 Kg/m	Lámina de treliça fixa	1,3 mm	11,1 dm ² /m	21,5 dm ² /m	0,378 Kg/m
	Momento Inércia	Ix: 0,20 cm ⁴	Iy: 2,60 cm ⁴	LAR		Momento Inércia	Ix: 0,23 cm ⁴	Iy: 3,24 cm ⁴	LAR
									
					2.2.1				

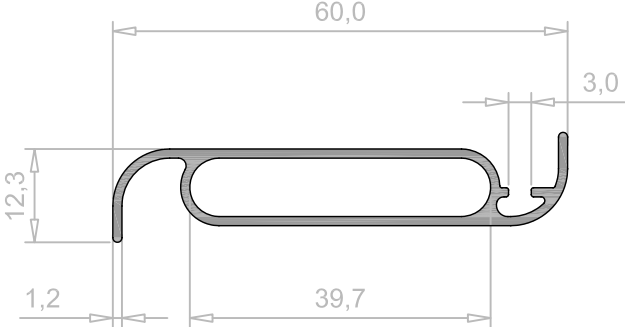
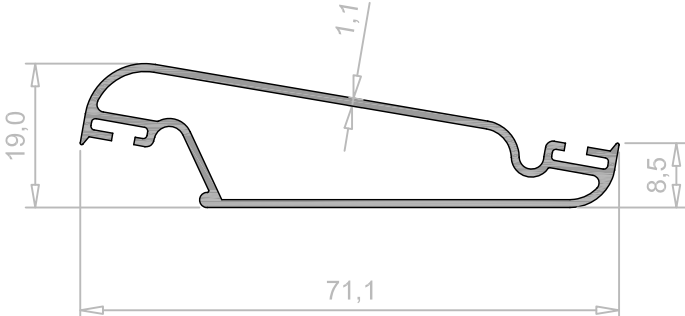
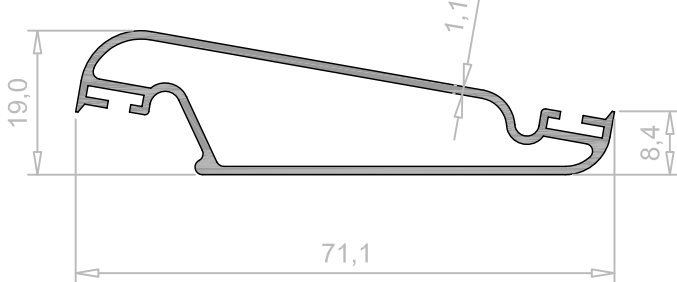
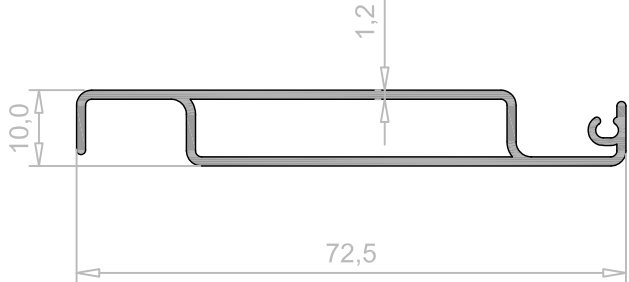
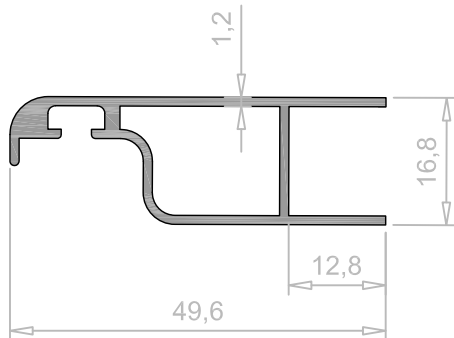
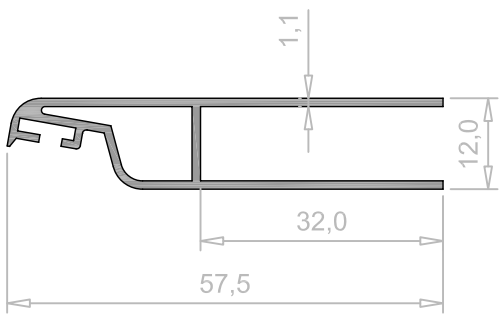
E552040	Espes.	Sup. Ext.	Sup. Total	Peso	M-3839	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa	1,2 mm	11,1 dm ² /m	21,5 dm ² /m	0,348 Kg/m	Lámina de treliça fixa	1,1 mm	11,1 dm ² /m	21,5 dm ² /m	0,321 Kg/m
	Momento Inercia	Ix: 0,20 cm ⁴	Iy: 3,20 cm ⁴	NAV		Momento Inercia	Ix: 0,21 cm ⁴	Iy: 2,78 cm ⁴	LAR
									
E-366166	Espes.	Sup. Ext.	Sup. Total	Peso	E554467	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa	1,2 mm	13,8 dm ² /m	26,8 dm ² /m	0,434 Kg/m	Lámina de treliça fixa	1,2 mm	13,8 dm ² /m	26,9 dm ² /m	0,435 Kg/m
	Momento Inercia	Ix: 0,41 cm ⁴	Iy: 5,81 cm ⁴	LAR		Momento Inercia	Ix: 0,40 cm ⁴	Iy: 5,80 cm ⁴	NAV
									
E-17740	Espes.	Sup. Ext.	Sup. Total	Peso	E553594	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa com parafuso	1,1 mm	11,1 dm ² /m	24,5 dm ² /m	0,378 Kg/m	Lámina de treliça fixa com parafuso	1,2 mm	12,4 dm ² /m	27,2 dm ² /m	0,455 Kg/m
	Momento Inercia	Ix: 0,22 cm ⁴	Iy: 3,54 cm ⁴	LAR		Momento Inercia	Ix: 0,30 cm ⁴	Iy: 5,00 cm ⁴	NAV
									
					2.2.2				

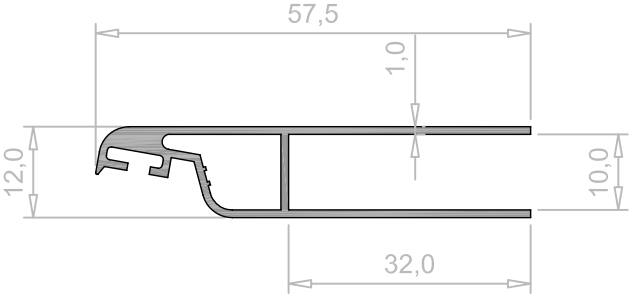
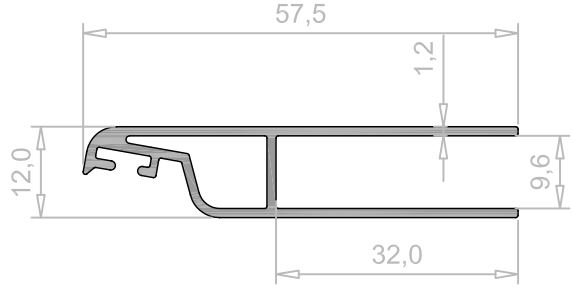
E-11251	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa com parafuso	1,4 mm	22,1 dm ² /m	45,5 dm ² /m	0,905 Kg/m
	Momento Inércia	Ix: 0,53 cm ⁴	Iy: 28,20 cm ⁴	LAR

E552022	Espes.	Sup. Ext.	Sup. Total	Peso	E-2846	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa	1,3 mm	14,4 dm ² /m	31,5 dm ² /m	0,594 Kg/m		1,4 mm	16,6 dm ² /m	31,2 dm ² /m	0,598 Kg/m
	Momento Inércia	Ix: 5,30 cm ⁴	Iy: 3,70 cm ⁴	NAV		Momento Inércia	Ix: 3,81 cm ⁴	Iy: 5,24 cm ⁴	LAR

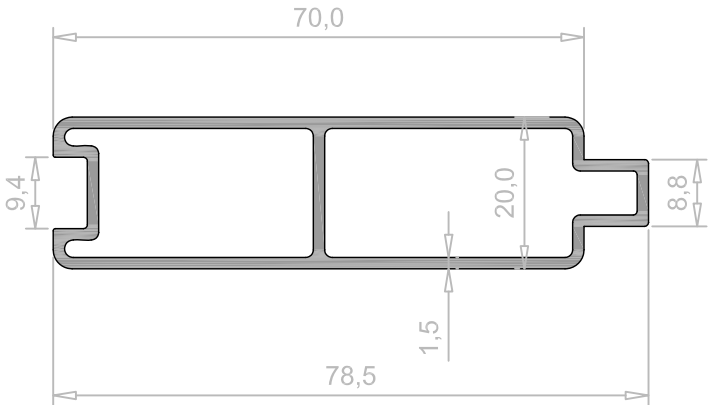
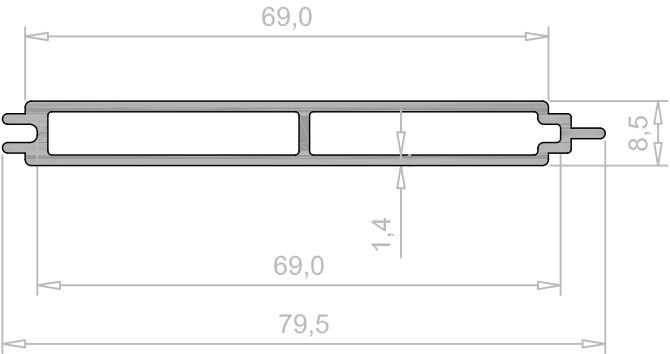
Z-40	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça fixa com parafuso	1,3 mm	10,9 dm ² /m	20,5 dm ² /m	0,371 Kg/m
	Momento Inércia	Ix: 3,05 cm ⁴	Iy: 0,13 cm ⁴	AVI

2.2.3

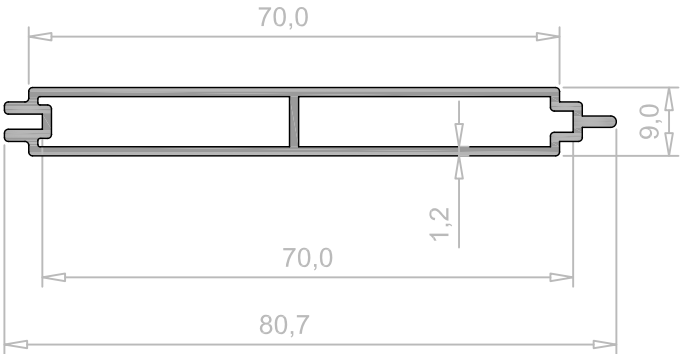
Z-52	Espes.	Sup. Ext.	Sup. Total	Peso	M-3846	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça móvel	1,2 mm	17,3 dm ² /m	26,2 dm ² /m	0,446 Kg/m	Lámina de treliça móvel	1,1 mm	19,8 dm ² /m	34,7 dm ² /m	0,502 Kg/m
	Momento Inercia	Ix: 0,26 cm ⁴	Iy: 5,55 cm ⁴	AVI		Momento Inercia	Ix: 0,69 cm ⁴	Iy: 8,97 cm ⁴	LAR
									
2064880	Espes.	Sup. Ext.	Sup. Total	Peso	M-1407	Espes.	Sup. Ext.	Sup. Total	Peso
Lámina de treliça móvel	1,1 mm	19,8 dm ² /m	34,5 dm ² /m	0,523 Kg/m	Lámina de treliça móvel	1,2 mm	20,0 dm ² /m	29,8 dm ² /m	0,488 Kg/m
	Momento Inercia	Ix: 0,72 cm ⁴	Iy: 9,22 cm ⁴	NAV		Momento Inercia	Ix: 0,28 cm ⁴	Iy: 8,08 cm ⁴	LAR
									
E554469	Espes.	Sup. Ext.	Sup. Total	Peso	2064882	Espes.	Sup. Ext.	Sup. Total	Peso
Meia lámina	1,2 mm	17,4 dm ² /m	24,2 dm ² /m	0,437 Kg/m	Meia lámina máxima	1,1 mm	21,5 dm ² /m	27,0 dm ² /m	0,409 Kg/m
	Momento Inercia	Ix: 0,64 cm ⁴	Iy: 3,36 cm ⁴	NAV		Momento Inercia	Ix: 0,34 cm ⁴	Iy: 4,02 cm ⁴	NAV
									
					2.3.1				

M-3844	Espes.	Sup. Ext.	Sup. Total	Peso	CH-87-06	Espes.	Sup. Ext.	Sup. Total	Peso
Meia lâmina máxima	1,0 mm	21,6 dm ² /m	26,7 dm ² /m	0,385 Kg/m	Meia lâmina máxima	1,2 mm	21,4 dm ² /m	26,6 dm ² /m	0,448 Kg/m
	Momento Inércia	Ix: 0,32 cm ⁴	Iy: 3,99 cm ⁴	LAR		Momento Inércia	Ix: 0,36 cm ⁴	Iy: 4,42 cm ⁴	AVI
									

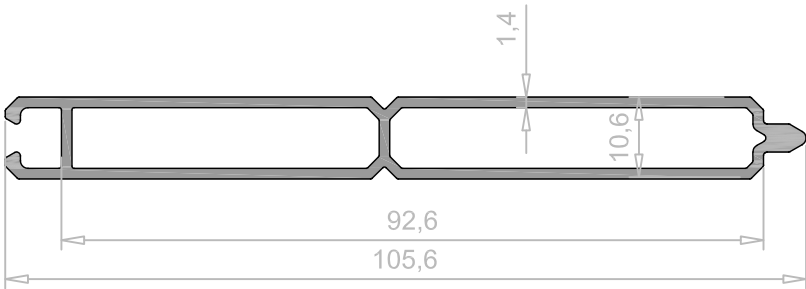
E556128	Espes.	Sup. Ext.	Sup. Total	Peso	W-26	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimento de 80 mm.	1,4 mm	18,1 dm ² /m	33,4 dm ² /m	0,662 Kg/m	Revestimento de 79 mm.	1,5 mm	20,1 dm ² /m	41,9 dm ² /m	0,867 Kg/m
	Momento Inercia	Ix: 13,1 cm ⁴	Iy: 0,30 cm ⁴	NAV		Momento Inercia	Ix: 2,03 cm ⁴	Iy: 19,30 cm ⁴	AVI



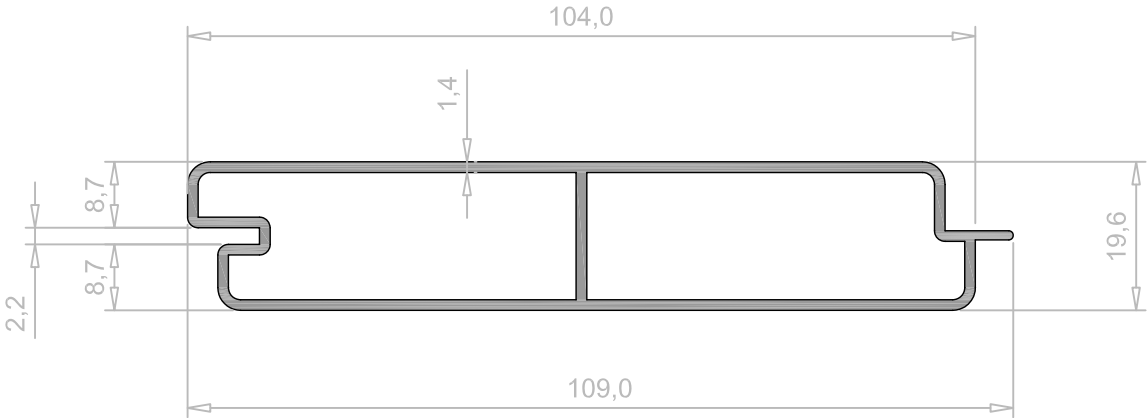
E-13983	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimento de 81 mm.	1,2 mm	18,6 dm ² /m	35,4 dm ² /m	0,593 Kg/m
	Momento Inercia	Ix: 0,27 cm ⁴	Iy: 12,56 cm ⁴	LAR



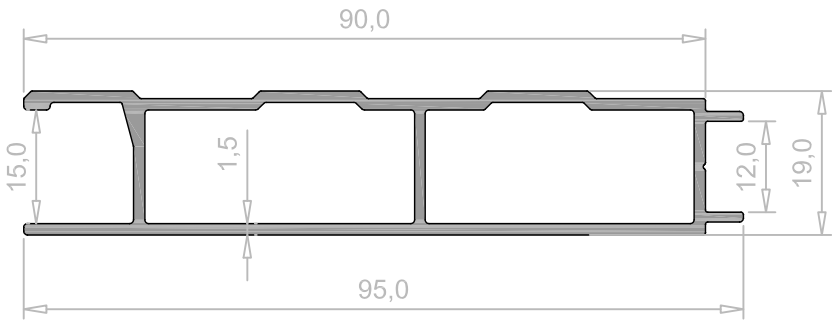
E-503775	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimento de 106mm.	1,4 mm	24,9 dm ² /m	45,4 dm ² /m	0,893 Kg/m
	Momento Inercia	Ix: 0,63 cm ⁴	Iy: 32,85 cm ⁴	LAR



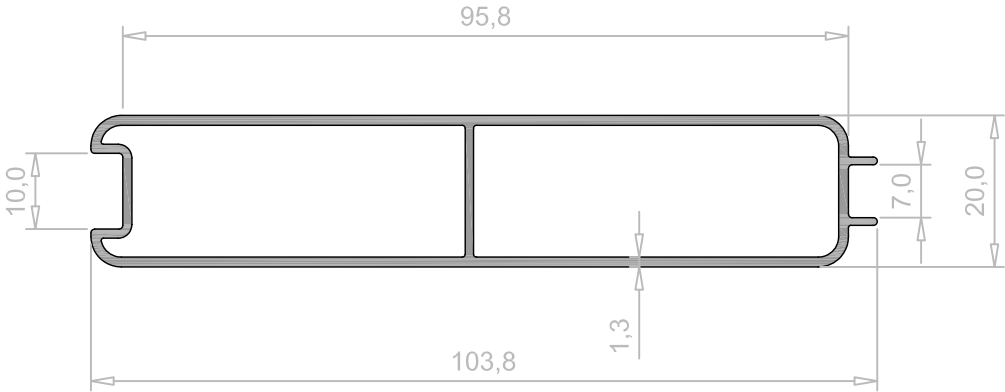
M-5215	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimento de 109mm.	1,4 mm	26,1 dm ² /m	53,5 dm ² /m	0,948 Kg/m
	Momento Inercia	Ix: 2,44 cm ⁴	Iy: 40,23 cm ⁴	LAR



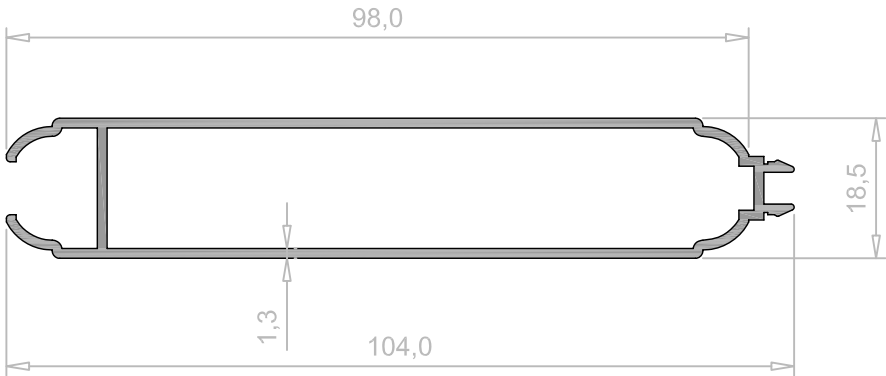
W-21	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimento de 85 mm.	1,5 mm	26,6 dm ² /m	46,8 dm ² /m	0,971 Kg/m
	Momento Inercia	Ix: 2,19 cm ⁴	Iy: 28,53 cm ⁴	AVI



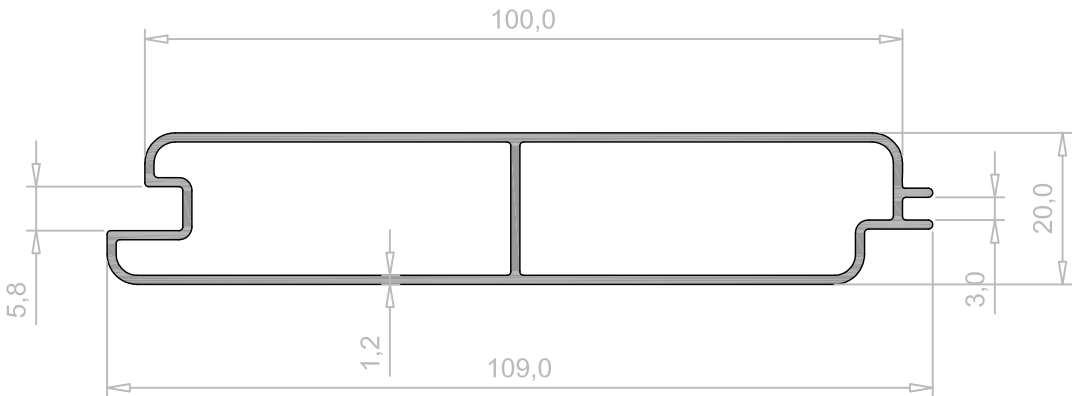
W-92	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimiento de 104mm.	1,3 mm	25,4 dm ² /m	51,7 dm ² /m	0,897 Kg/m
	Momento Inercia	Ix: 2,25 cm ⁴	Iy: 36,06 cm ⁴	AVI



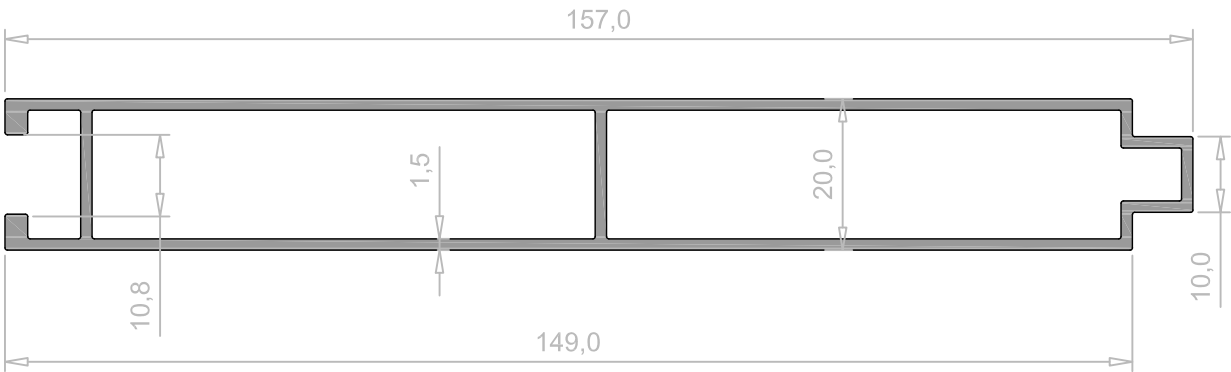
M-3777	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimiento de 104mm.	1,3 mm	27,9 dm ² /m	47,0 dm ² /m	0,840 Kg/m
	Momento Inercia	Ix: 1,89 cm ⁴	Iy: 31,50 cm ⁴	LAR



W-25	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimiento de 109mm.	1,2 mm	26,6 dm ² /m	54,2 dm ² /m	0,887 Kg/m
	Momento Inercia	Ix: 2,25 cm ⁴	Iy: 36,06 cm ⁴	AVI

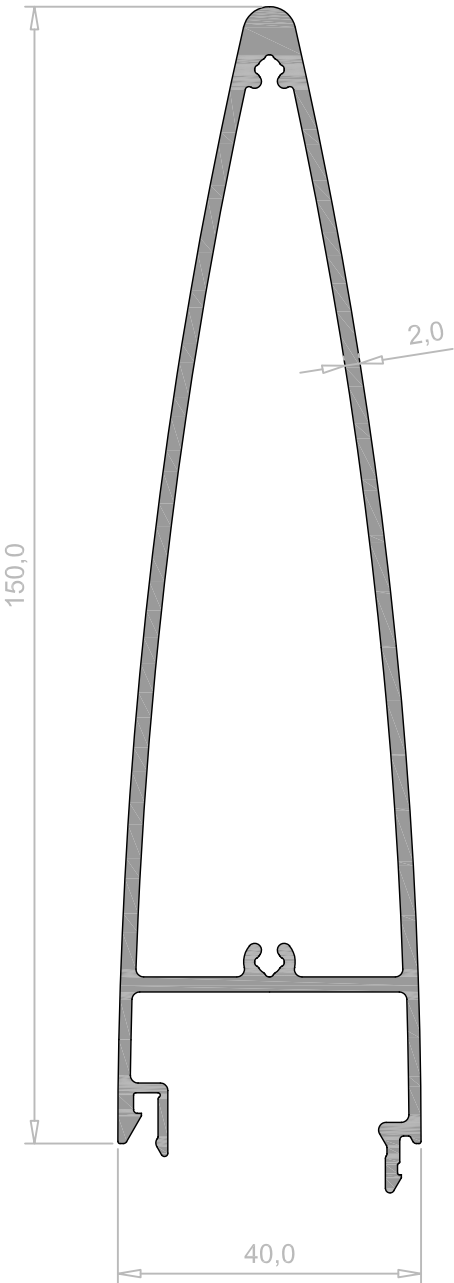
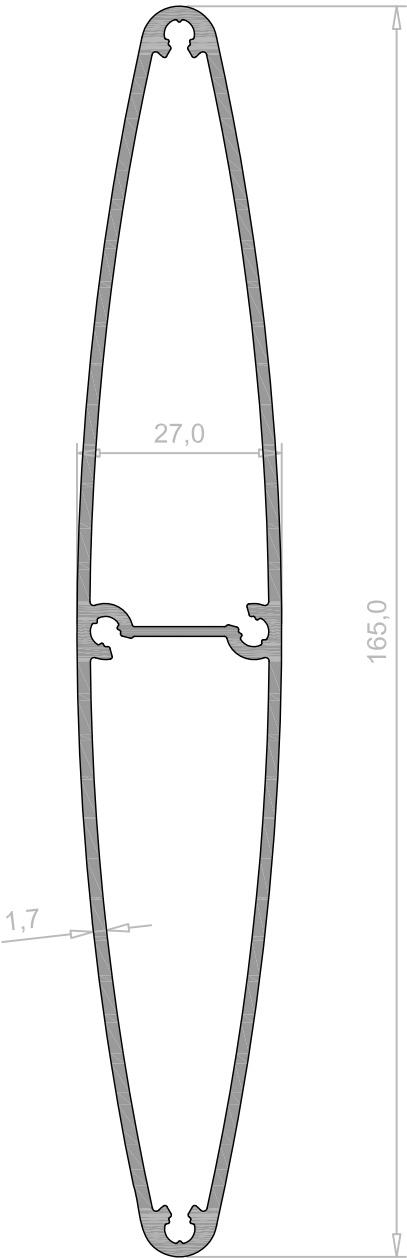


W-27	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimento de 157mm.	1,5 mm	38,5 dm ² /m	73,6 dm ² /m	1,531 Kg/m
	Momento Inercia	Ix: 4,16 cm ⁴	Iy: 133,3 cm ⁴	AVI

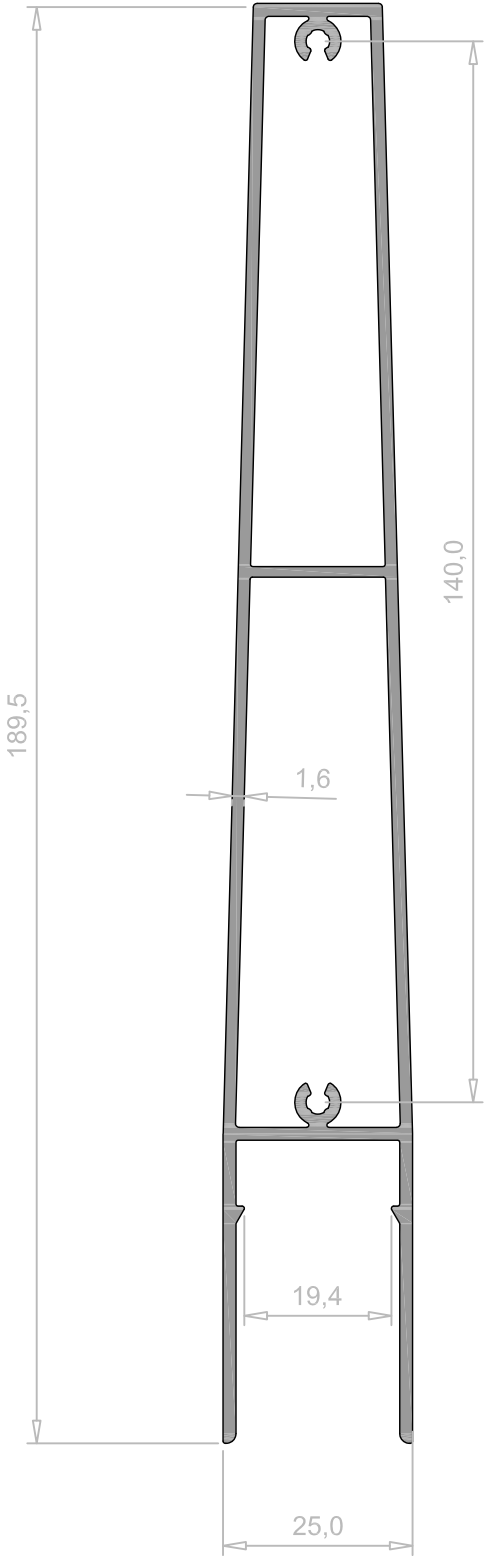
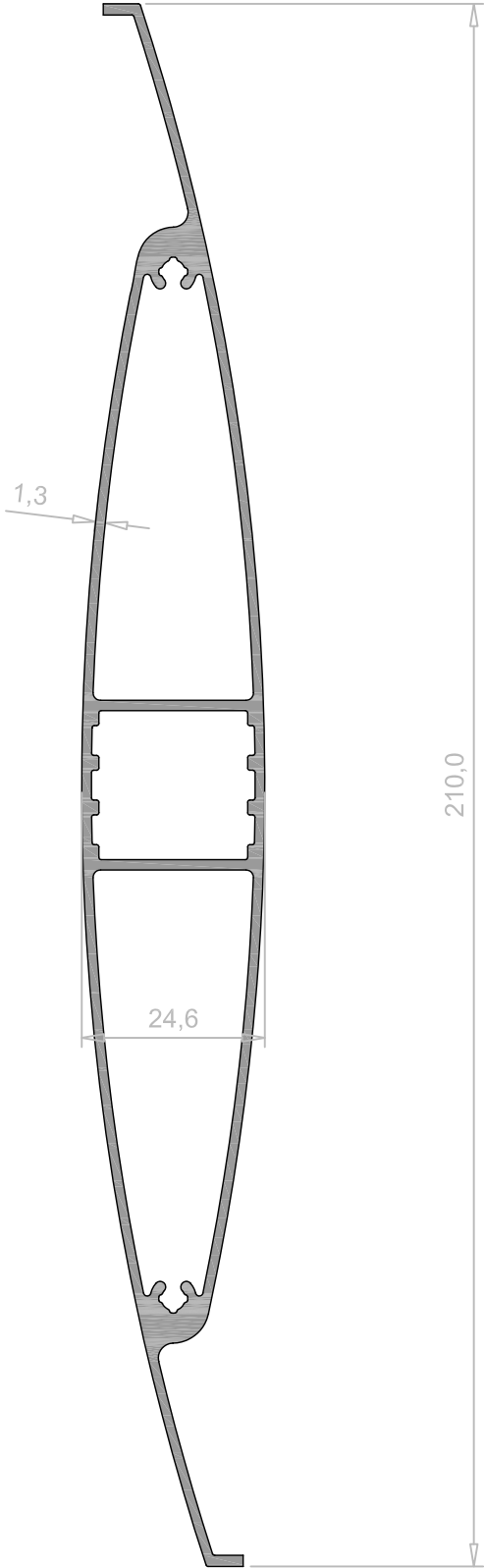


Y-136	Espes.	Sup. Ext.	Sup. Total	Peso	PD60006	Espes.	Sup. Ext.	Sup. Total	Peso
Parasol: asa de 120 mm.	1,2 mm	24,6 dm ² /m	52,3 dm ² /m	0,960 Kg/m	Parasol: asa de 151 mm.	1,7 mm	32,4 dm ² /m	79,0 dm ² /m	1,869 Kg/m
	Momento Inercia	Ix: 40,30 cm ⁴	Iy: 1,47 cm ⁴	AVI		Momento Inercia	Ix: 119,4 cm ⁴	Iy: 11,08 cm ⁴	NAV
extruded by					2.5.1				

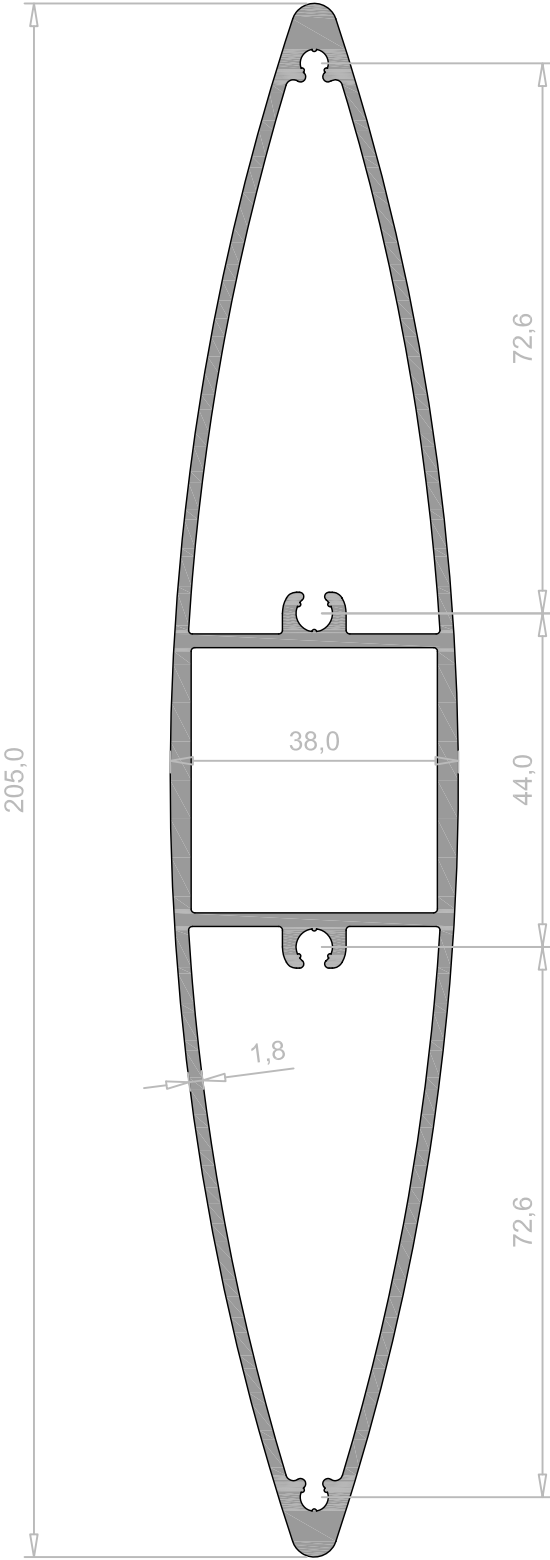
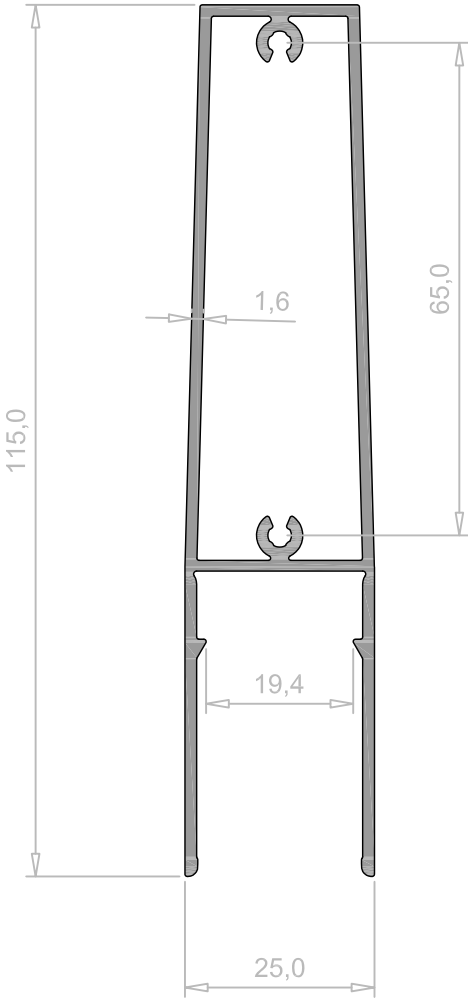
Z-64	Espes.	Sup. Ext.	Sup. Total	Peso	2072975	Espes.	Sup. Ext.	Sup. Total	Peso
Parasol: asa de 165 mm.	1,7 mm	34,4 dm ² /m	74,7 dm ² /m	1,768 Kg/m	Parasol: asa de 150 mm.	2,0 mm	43,1 dm ² /m	73,2 dm ² /m	2,012 Kg/m
	Momento Inercia	Ix: 152,5 cm ⁴	Iy: 5,87 cm ⁴	AVI		Momento Inercia	Ix: 164,0 cm ⁴	Iy: 13,50 cm ⁴	NAV



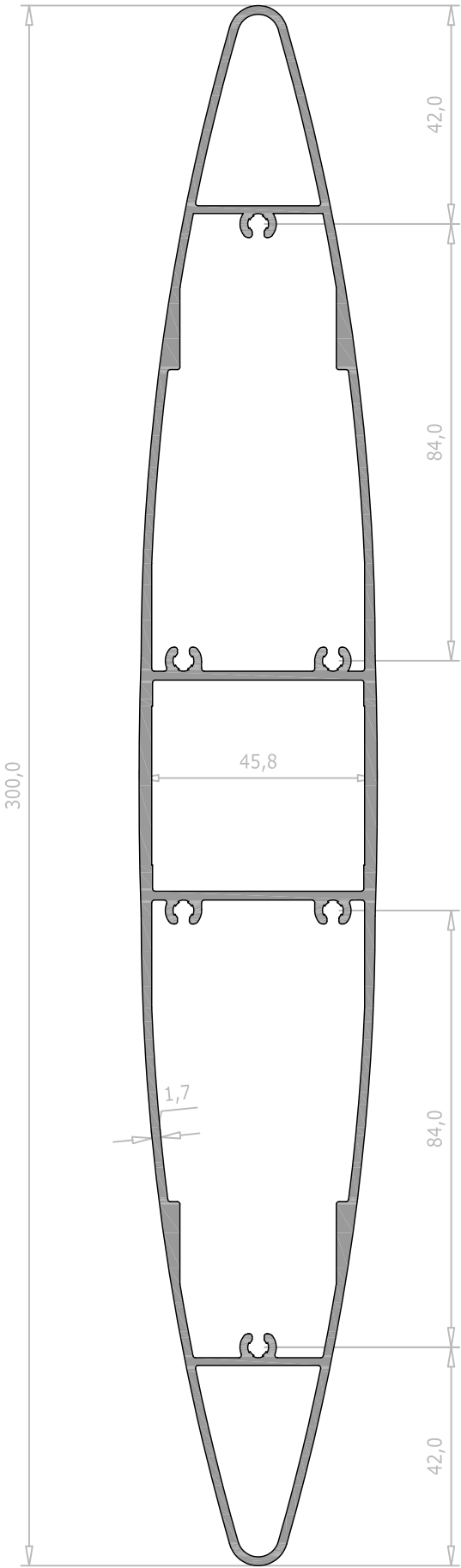
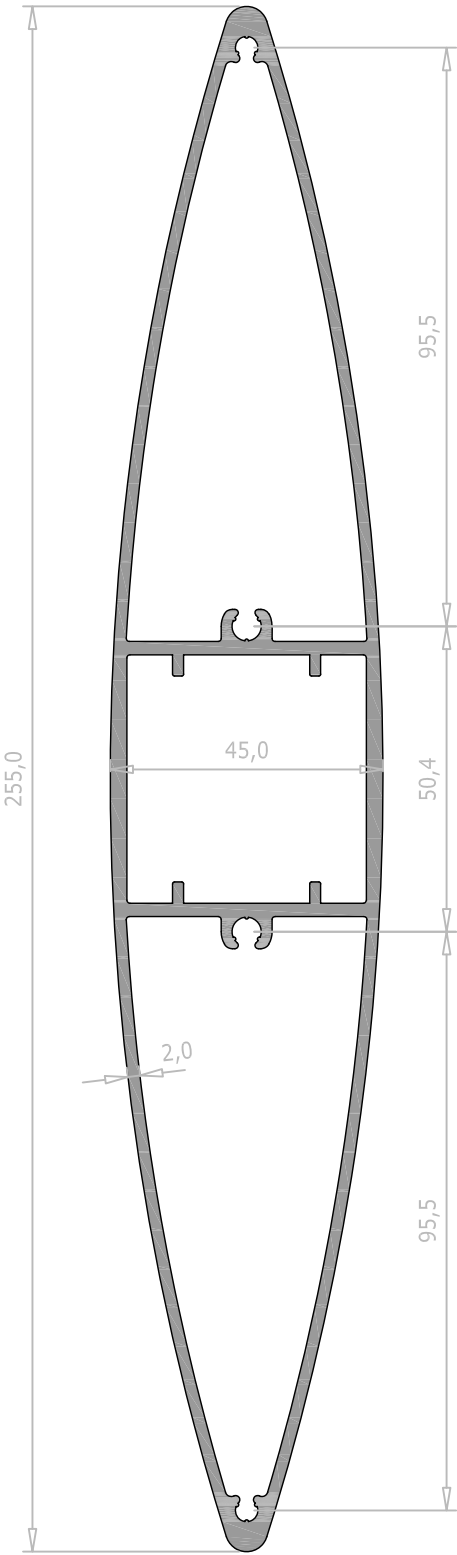
2072974	Espes.	Sup. Ext.	Sup. Total	Peso	E-378912	Espes.	Sup. Ext.	Sup. Total	Peso
Parasol: asa de 210 mm.	1,3 mm	45,2 dm ² /m	84,9 dm ² /m	1,729 Kg/m	Parasol: asa de 190 mm.	1,6 mm	50,2 dm ² /m	90,9 dm ² /m	2,006 Kg/m
	Momento Inercia	Ix:193,35cm ⁴	Iy: 3,88cm ⁴	NAV		Momento Inercia	Ix: 241,5cm ⁴	Iy: 6,74cm ⁴	LAR



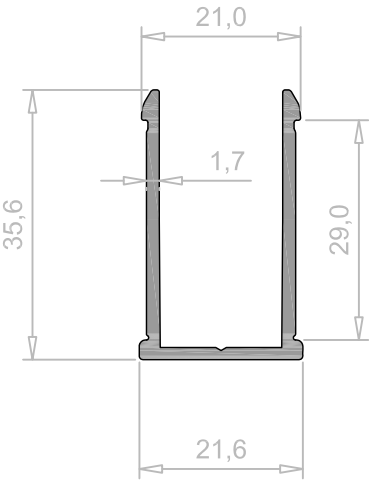
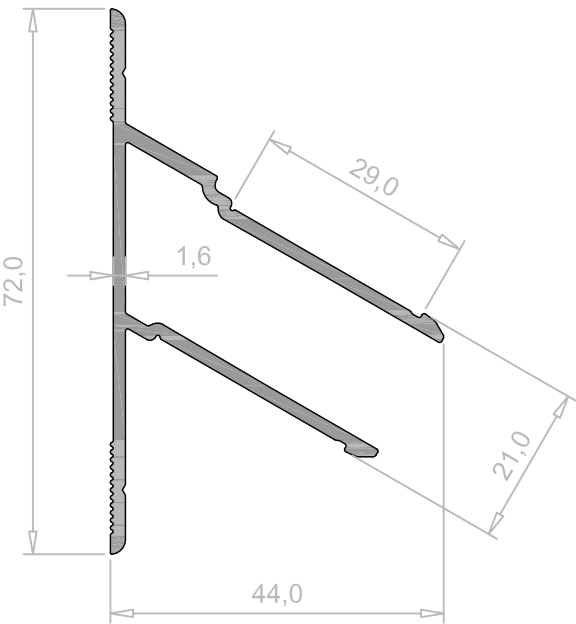
E-378913	Espes.	Sup. Ext.	Sup. Total	Peso	E-17154	Espes.	Sup. Ext.	Sup. Total	Peso
Parasol: asa de 115 mm.	1,6 mm	23,0 dm ² /m	58,9 dm ² /m	1,231 Kg/m	Parasol: asa de 205 mm.	1,8 mm	42,4 dm ² /m	99,4 dm ² /m	2,778 Kg/m
	Momento Inercia	Ix: 54,19 cm ⁴ Iy: 4,64 cm ⁴		LAR		Momento Inercia	Ix: 322,1 cm ⁴ Iy: 16,29 cm ⁴		LAR

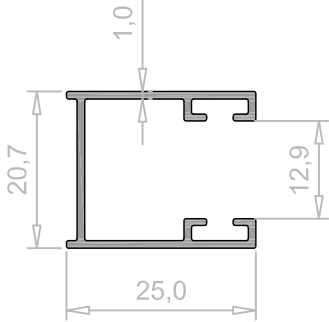
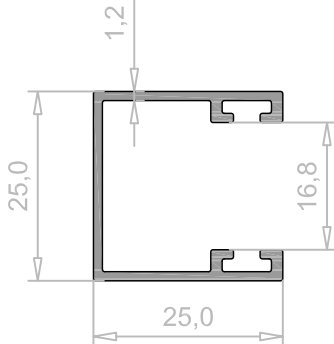
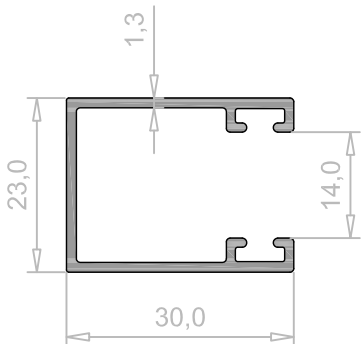
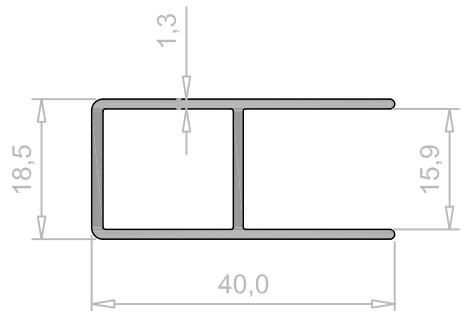
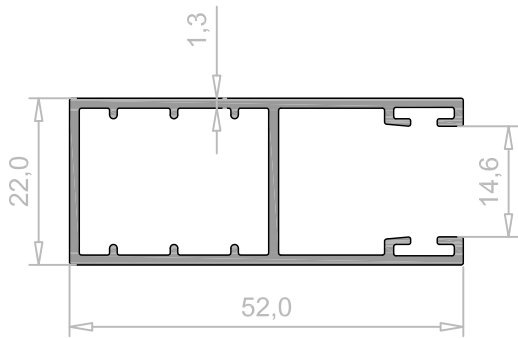
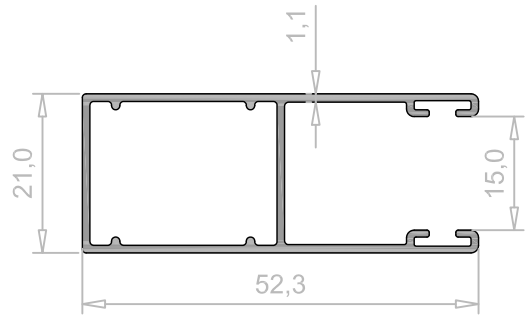


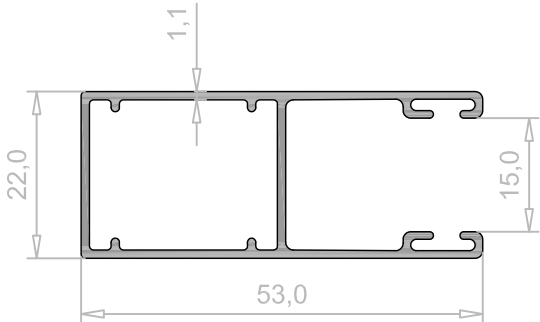
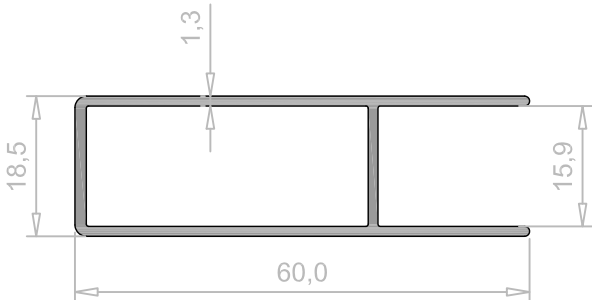
E-17155	Espes.	Sup. Ext.	Sup. Total	Peso	E557256	Espes.	Sup. Ext.	Sup. Total	Peso
Parasol: asa de 255 mm.	2,0 mm	52,6 dm ² /m	125,2 dm ² /m	3,707 Kg/m	Parasol: asa de 300 mm.	1,7 mm	61,9 dm ² /m	159,0 dm ² /m	4,080 Kg/m
	Momento Inercia	Ix: 642,9cm ⁴	Iy: 31,12cm ⁴	LAR		Momento Inercia	Ix:1003,9cm ⁴	Iy: 40,61cm ⁴	NAV



E-378908	Espes.	Sup. Ext.	Sup. Total	Peso	E-378909	Espes.	Sup. Ext.	Sup. Total	Peso
Base clipe 60°	1,6 mm	33,4 dm ² /m	33,4 dm ² /m	0,759 Kg/m	Base clipe U	1,7 mm	18,3 dm ² /m	18,3 dm ² /m	0,415 Kg/m
	Momento Inercia	Ix: 7,75 cm ⁴	Iy: 4,61 cm ⁴	LAR		Momento Inercia	Ix: 2,02 cm ⁴	Iy: 1,11 cm ⁴	LAR



Z-30	Espes.	Sup. Ext.	Sup. Total	Peso	Z-09	Espes.	Sup. Ext.	Sup. Total	Peso
Guía estor	1,0 mm	17,5 dm ² /m	17,5 dm ² /m	0,236 Kg/m	Guía estor	1,2 mm	17,9 dm ² /m	17,9 dm ² /m	0,302 Kg/m
	Momento Inercia	Ix: 0,65 cm ⁴	Iy: 0,61 cm ⁴	AVI		Momento Inercia	Ix: 1,19 cm ⁴	Iy: 0,86 cm ⁴	AVI
									
Z-55	Espes.	Sup. Ext.	Sup. Total	Peso	Z-17	Espes.	Sup. Ext.	Sup. Total	Peso
Guía estor	1,3 mm	19,5 dm ² /m	19,5 dm ² /m	0,345 Kg/m	Guía estor	1,3 mm	15,4 dm ² /m	22,0 dm ² /m	0,398 Kg/m
	Momento Inercia	Ix: 1,18 cm ⁴	Iy: 1,40 cm ⁴	AVI		Momento Inercia	Ix: 0,85 cm ⁴	Iy: 2,08 cm ⁴	AVI
									
Y-110	Espes.	Sup. Ext.	Sup. Total	Peso	Z-93	Espes.	Sup. Ext.	Sup. Total	Peso
Guía estor	1,3 mm	23,0 dm ² /m	33,1 dm ² /m	0,571 Kg/m	Guía estor	1,1 mm	22,4 dm ² /m	31,6 dm ² /m	0,441 Kg/m
	Momento Inercia	Ix: 1,79 cm ⁴	Iy: 5,58 cm ⁴	AVI		Momento Inercia	Ix: 1,31 cm ⁴	Iy: 4,32 cm ⁴	AVI
									
					2.6.1				

CB-12-06	Espes.	Sup. Ext.	Sup. Total	Peso	Z-18	Espes.	Sup. Ext.	Sup. Total	Peso
Guía estor	1,1 mm	23,3 dm ² /m	33,0 dm ² /m	0,495 Kg/m	Guía estor	1,3 mm	19,4 dm ² /m	30,0 dm ² /m	0,538 Kg/m
	Momento Inercia	Ix: 1,59 cm ⁴	Iy: 5,08 cm ⁴	AVI		Momento Inercia	Ix: 1,24 cm ⁴	Iy: 6,67 cm ⁴	AVI
									
extruded by 					2.6.2				



A Hydro conta com mais de 50 anos de ciencia e experiencia aplicada em soluções de aluminio extruido. Oferecemos todo tipo de serviços, desde a formação em aluminio até ao desenho, a produção, a fabricação e o tratamento e acabamento de superficies. O nosso negocio divide-se em cinco áreas de trabalho que une e completa todo o ciclo do aluminio, desde a extração de minerais (Bauxita), até a elaboração de soluções por laminação e extrusão, através da produção do aluminio primario e a disponibilidade de fabricas de produção de energia. Temos mais de 150 locais e 35.000 trabalhadores distribuídos em 40 países.

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 servicio da Hydro, e as vantagens do aluminio extrudido.

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