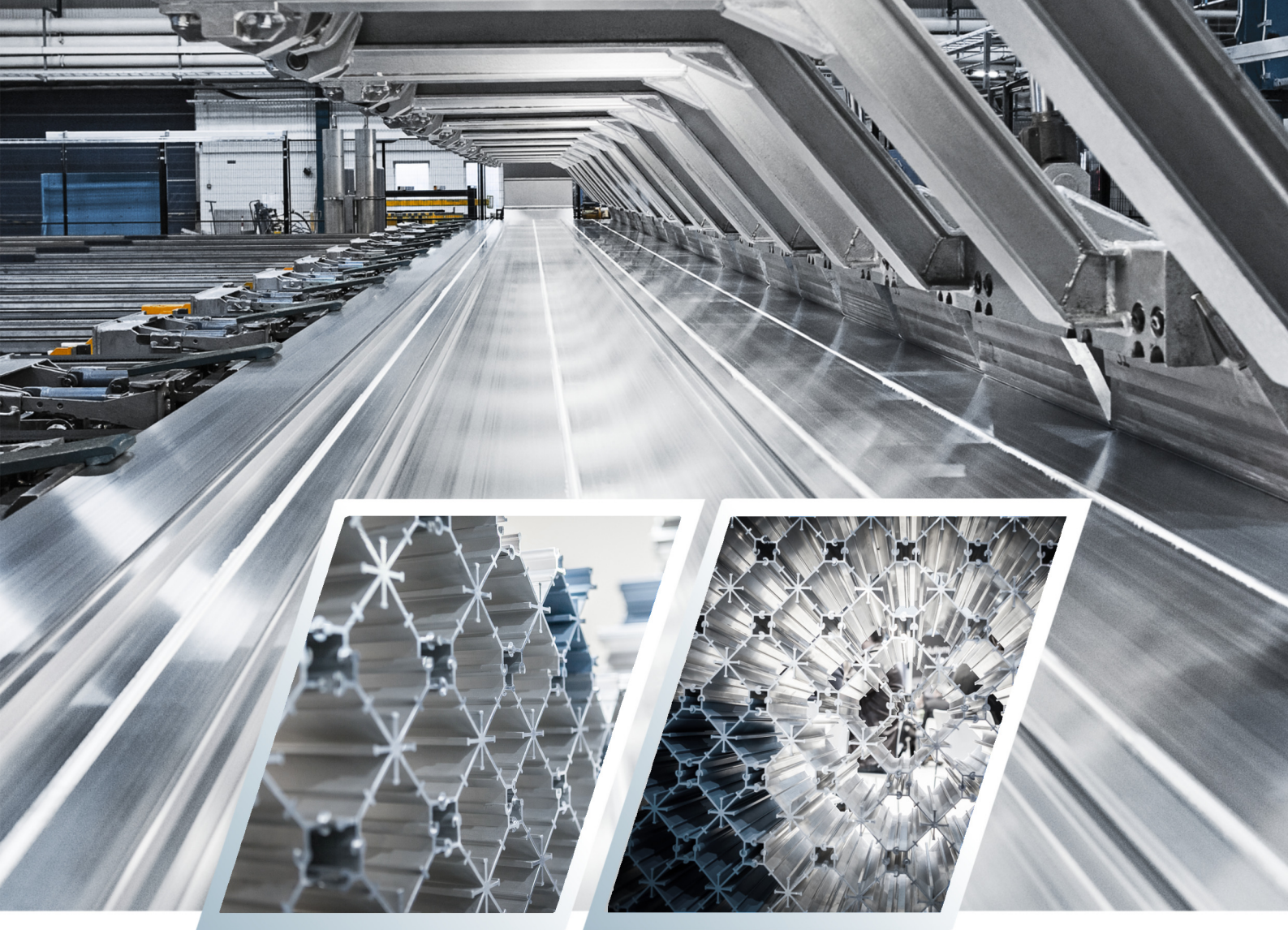


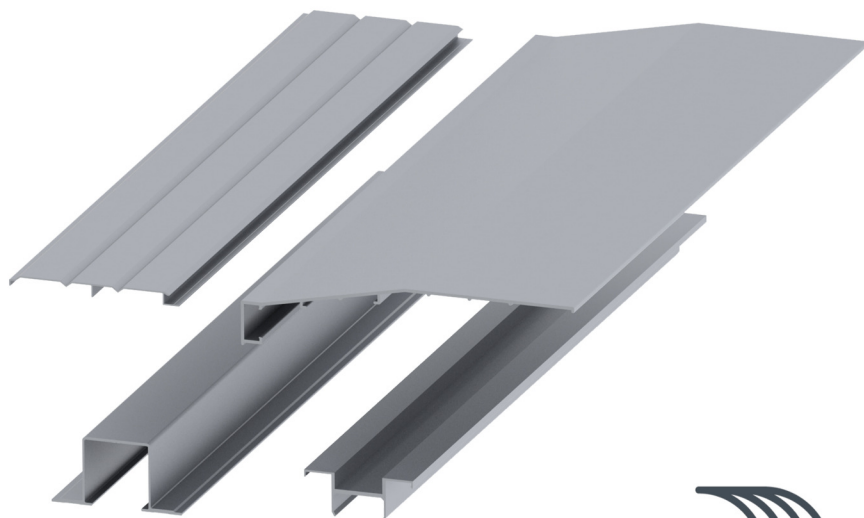


FACHADAS, OMEGAS E REVESTIMENTOS

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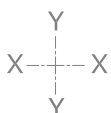
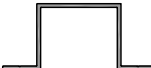
1. LISTAGEM

2. PERFIS 1:1

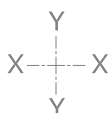
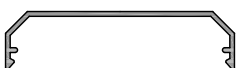
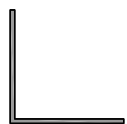
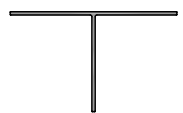
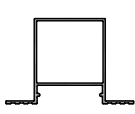
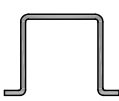
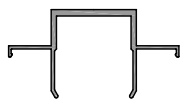
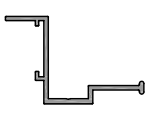
1. Perfis paineíl compósito
2. Perfis painel fenólico
3. Perfis fachadas cerámica
4. Ómegas
5. Revestimento
6. Cobertas policarbonato

1.- LISTAGEM

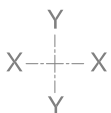
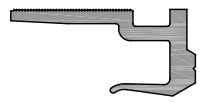
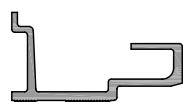
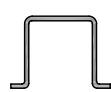
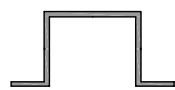
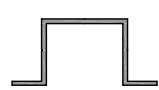
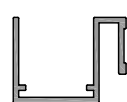
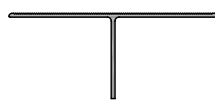
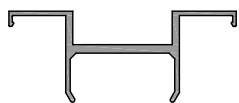
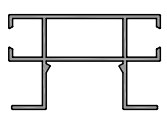
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia Ix (cm ⁴) Iy (cm ⁴)	Pág.
2041034 Navarra		Perfil ômega.	1,979	35,2 35,2	17,51 75,53	2.4.2
2041459 Navarra		Perfil ômega.	1,219	27,0 27,0	4,89 31,94	2.4.1
2047977 Navarra		Perfil ômega.	3,466	51,8 51,8	95,52 195,61	2.4.4
2054913 Navarra		Perfil ômega.	2,939	48,8 48,8	81,60 120,40	2.4.4
2072552 Navarra		T fachada cerâmica.	0,817	33,5 33,5	9,67 15,53	2.3.4
2074657 Navarra		Base.	1,977	64,1 64,1	429,39 15,79	2.5.4
5005674 Navarra		Perfil ômega.	0,912	28,9 28,9	6,04 15,32	2.1.1
600936 Navarra		Perfil cobertas policarbo.	0,632	17,3 17,3	0,09 6,62	2.6.1
CJ-87-06 Avintes		Perfil ômega composto.	0,790	29,6 29,6	5,58 14,62	2.1.1
E011198 Navarra		T fachada cerâmica.	0,810	30,3 30,3	6,58 16,61	2.3.2
E011199 Navarra		L fachada cerâmica.	0,513	19,3 19,3	3,70 5,27	2.3.7

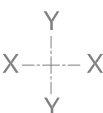
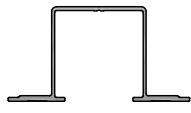
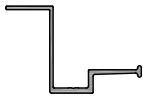
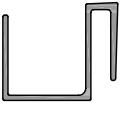
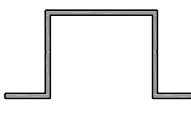
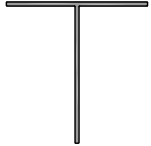
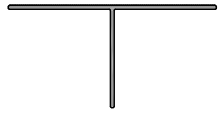
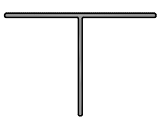
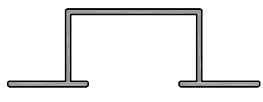
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia Ix (cm ⁴) Iy (cm ⁴)	Pág.
E012807 Navarra		Perfil cobertas policarbonato.	0,556	17,5 17,5	0,06 5,48	2.6.1
E012808 Navarra		Perfil tampa cobertas.	0,321	18,1 18,1	0,27 6,04	2.6.1
E013150 Navarra		T fachada cerâmica	0,787	33,0 33,0	4,39 20,69	2.3.1
E013151 Navarra		L fachada cerâmica	0,529	20,0 20,0	4,91 4,91	2.3.6
E012123 Navarra		T fachada cerâmica.	0,853	31,8 31,8	9,86 16,65	2.3.4
E100713 Navarra		Revestimento.	0,821	33,9 33,9	0,97 48,99	2.5.2
E300293 Navarra		Revestimento.	0,502	31,0 31,0	0,14 25,66	2.5.1
E556091 Navarra		Perfil ômega p. compósito.	1,164	33,2 51,3	20,52 23,87	2.1.2
E800882 Navarra		Perfil ômega.	2,927	48,9 48,9	79,44 122,32	2.4.3
E113802 Navarra		Clipe de 42 p. compósito.	0,923	33,5 33,5	4,48 14,16	2.1.4
E113803 Navarra		Fixação macho p. compósito.	0,689	24,7 24,7	6,97 5,21	2.1.3

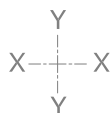
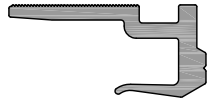
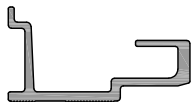
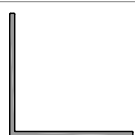
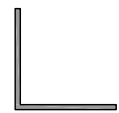
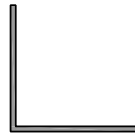
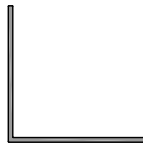
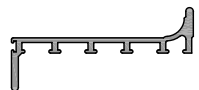
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Perfil	Secção 	Descrição	Peso Kg./m	Superfície Exterior (dm ² /m) Total (dm ² /m)	Momento Inercia Ix (cm ⁴) Iy (cm ⁴)	Pág.
E-115300 Navarra		Perfil fêmea oculto p. fen.	1,504	25,6 25,6	5,44 17,86	2.2.1
E-115301 Navarra		Perfil macho oculto p. fen.	0,910	26,2 26,2	2,21 14,15	2.2.1
E-7623 La Roca		Perfil ômega.	2,939	48,9 48,9	81,60 120,40	2.4.3
E-11559 La Roca		Perfil ômega p. compósito.	0,913	28,9 28,9	6,04 15,36	2.1.1
E-13050 La Roca		Perfil ômega p. compósito.	0,913	28,9 28,9	6,04 15,32	2.1.1
E-113131 Navarra		Fixação U fêmea compósito.	0,621	24,1 24,1	2,40 4,81	2.1.3
E-13149 La Roca		T fachada cerâmica	0,770	33,5 33,5	9,46 13,86	2.3.4
E-13278 La Roca		T fachada cerâmica	0,794	32,6 32,6	4,39 20,69	2.3.1
E-13563 La Roca		Revestimento.	0,486	18,5 18,5	0,04 10,89	2.5.3
E-13656 La Roca		Clipe de 32 p. compósito	0,834	29,6 29,6	1,99 12,94	2.1.3
E-13801 La Roca		Clipe de 50 p. compósito.	1,666	48,9 61,6	16,31 37,77	2.1.4

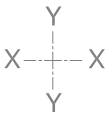
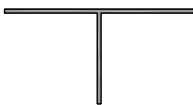
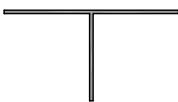
Listagem

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-13976 La Roca		Fixação macho p. compósito.	1,083	27,8 50,1	4,08 19,62	2.1.4
E-15452 La Roca		Perfil ômega p. compósito.	1,072	40,6 40,6	16,32 28,10	2.1.2
E-15453 La Roca		Fixação macho p. compósito.	0,726	25,8 25,8	6,87 8,12	2.1.3
E-15454 La Roca		Perfil fêmea U p. compós.	0,648	25,2 25,2	1,80 5,26	2.1.3
E-18165 La Roca		Base.	2,384	72,1 72,1	19,65 771,90	2.5.4
E118886 Navarra		Perfil ômega aligeirado	0,769	28,7 28,7	5,35 13,38	2.1.1
E118930 Navarra		T fachada cerâmica	0,745	27,9 27,9	13,68 5,71	2.3.5
E-19324 La Roca		T fachada cerâmica 110x54 mm.	0,913	34,3 34,3	7,59 23,45	2.3.3
E-19325 La Roca		T fachada cerâmica 80x54 mm.	0,740	27,8 27,8	7,05 9,00	2.3.3
E-19326 La Roca		L fachada cerâmica 52x42 mm.	0,510	19,3 19,3	5,27 3,18	2.3.6
E-19327 La Roca		Perfil ômega aligeirado p.compósito.	0,961	36,2 36,2	5,72 26,74	2.1.2

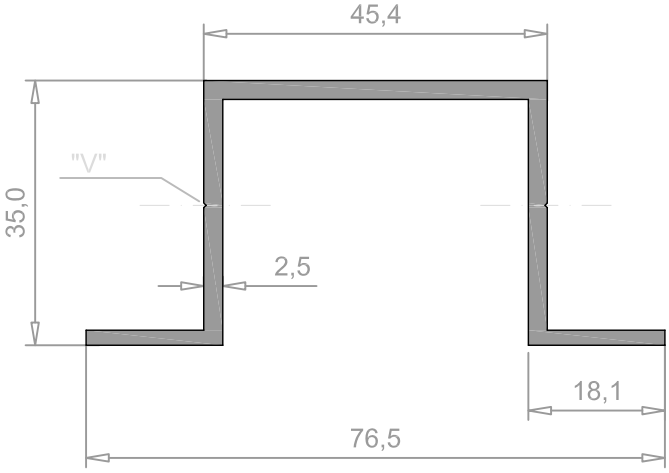
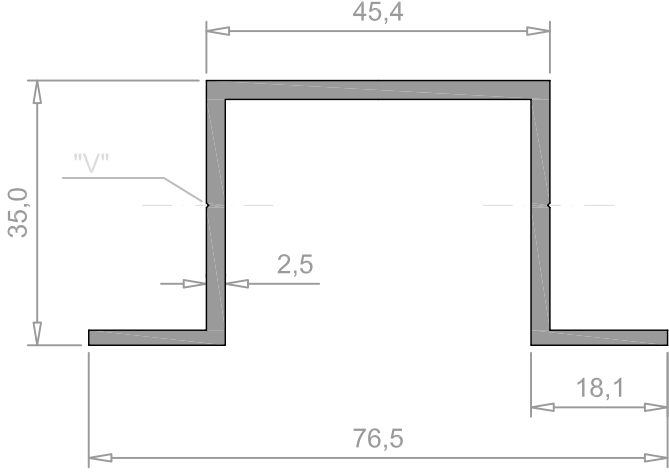
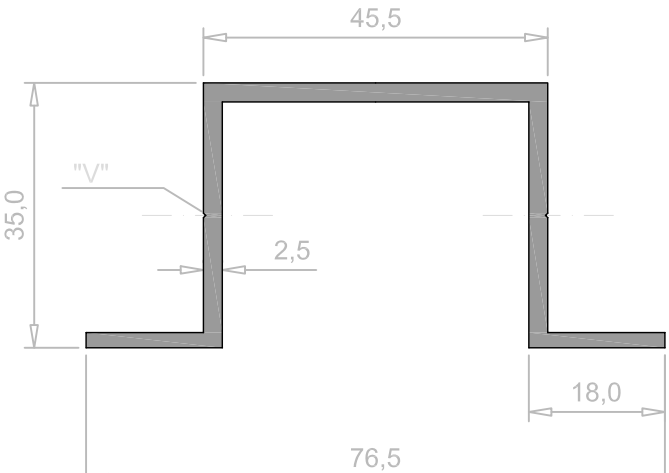
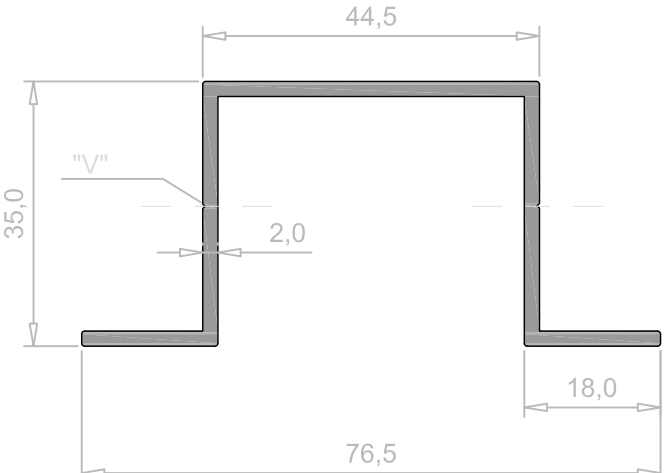
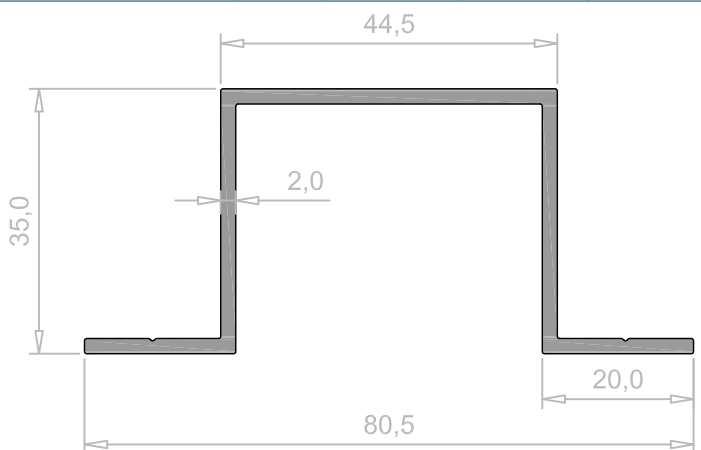
Listagem

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-19328 La Roca		Perfil fêmea oculto p. fen.	1,512	25,5 25,5	5,07 18,34	2.2.1
E-19329 La Roca		Perfil macho oculto p. fen.	0,934	25,8 25,8	2,25 18,84	2.2.1
E-60008 La Roca		Perfil ômega.	0,969	24,6 24,6	3,24 19,38	2.4.1
E-60010 La Roca		Perfil ômega.	1,972	37,5 37,5	17,42 78,16	2.4.2
E-350761 La Roca		Revestimento.	0,616	30,2 30,2	0,14 25,67	2.5.1
L-42 Avintes		L fachada cerâmica.	0,529	19,9 19,9	1,96 7,82	2.3.6
E140043 Navarra		L fachada cerâmica.	0,421	16,0 16,0	2,48 2,48	2.3.6
L-40057 La Roca		L fachada cerâmica	0,529	20,0 20,0	4,91 4,91	2.3.6
L-40068 La Roca		L fachada cerâmica	0,637	24,0 24,0	8,55 8,55	2.3.6
M-4845 La Roca		Base.	1,695	61,5 61,5	7,82 393,10	2.5.3
E335353 Navarra		Cargueiro.	2,131	45,5 45,5	7,28 147,60	2.6.1

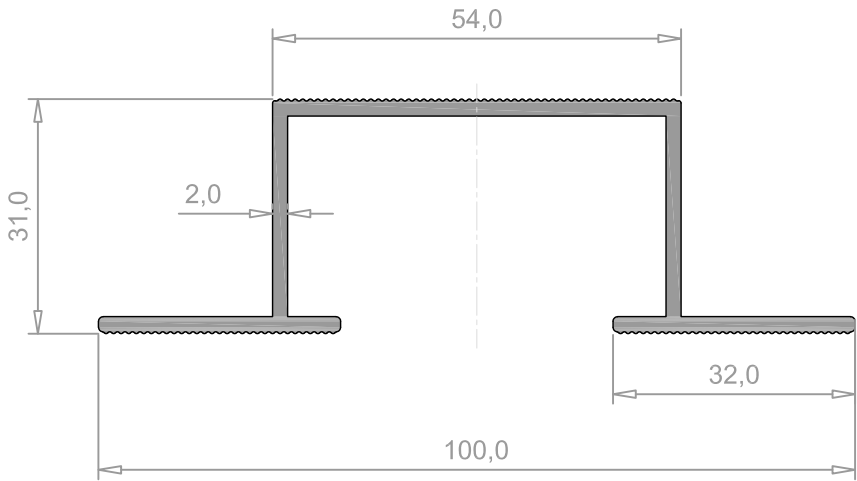
Listagem

Perfil	Secção		Descrição	Peso Kg./m	Momento		Pág.
		Superfície			Inercia		
						Exterior (dm²/m) Total (dm²/m)	
T-14 Avintes		T fachada cerâmica.	0,799	29,9	5,90	2.3.2	
				29,9	16,65		
T-16 Avintes		T fachada cerâmica.	0,799	29,9	4,42	2.3.1	
				29,9	19,28		
T-25 Avintes		T fachada cerâmica.	0,809	30,3	6,58	2.3.3	
				30,3	16,62		
T-42024 La Roca		T fachada cerâmica.	0,810	30,4	6,59	2.3.2	
				30,4	16,67		
W-19 Avintes		Revestimento.	0,909	28,7	0,05	2.5.2	
				28,7	39,64		

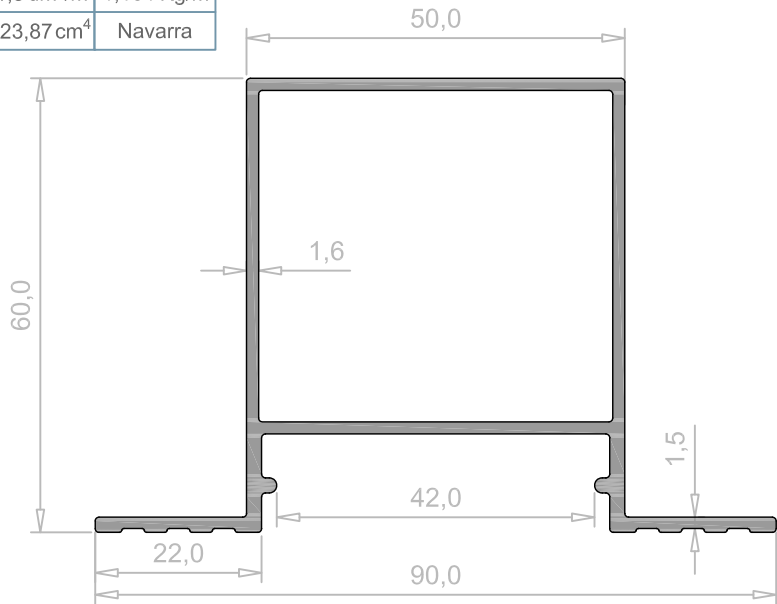
2.- PERFIS 1:1

5005674	Espes.	Sup. Ext.	Sup. Total	Peso	E-13050	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	2,5 mm	28,9dm ² /m	28,9dm ² /m	0,912 Kg/m	Perfil Ómega	2,5 mm	28,9dm ² /m	28,9dm ² /m	0,913 Kg/m
	Momento Inercia	Ix: 6,04cm ⁴	Iy: 15,32cm ⁴	Navarra		Momento Inercia	Ix: 6,04cm ⁴	Iy: 15,32cm ⁴	La Roca
									
E-11559	Espes.	Sup. Ext.	Sup. Total	Peso	E118886	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	2,5 mm	28,9dm ² /m	28,9dm ² /m	0,913 Kg/m	Perfil ómega aligeirado	2,0 mm	28,7dm ² /m	28,7dm ² /m	0,769 Kg/m
	Momento Inercia	Ix: 6,04cm ⁴	Iy: 15,36cm ⁴	La Roca		Momento Inercia	Ix: 5,35cm ⁴	Iy: 13,38cm ⁴	Navarra
									
CJ-87-06	Espes.	Sup. Ext.	Sup. Total	Peso					
Perfil Ómega	2,0 mm	29,6dm ² /m	29,6dm ² /m	0,790 Kg/m					
	Momento Inercia	Ix: 5,58cm ⁴	Iy: 14,62cm ⁴	Avintes					
									
					2.1.1				

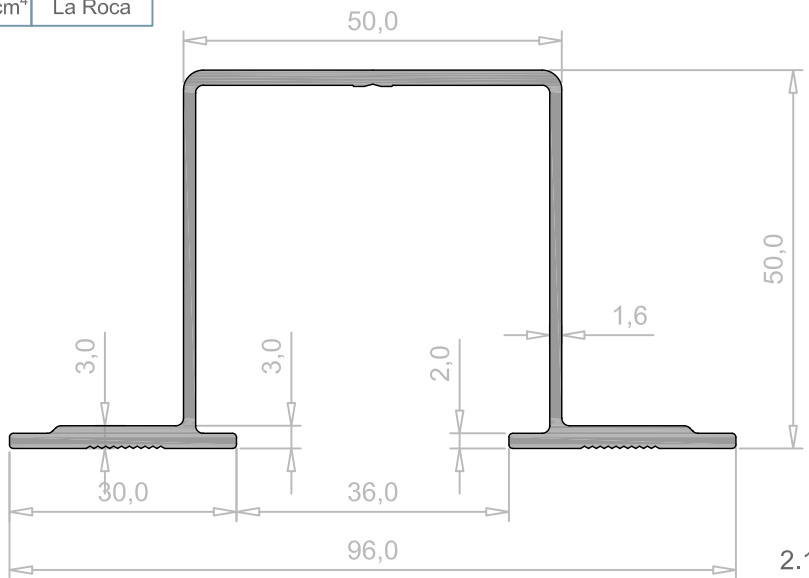
E-19327	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil ómega painel compósito	2,0 mm	36,2 dm ² /m	36,2 dm ² /m	0,961 Kg/m
	Momento Inércia	Ix: 5,72 cm ⁴	Iy: 26,74 cm ⁴	La Roca

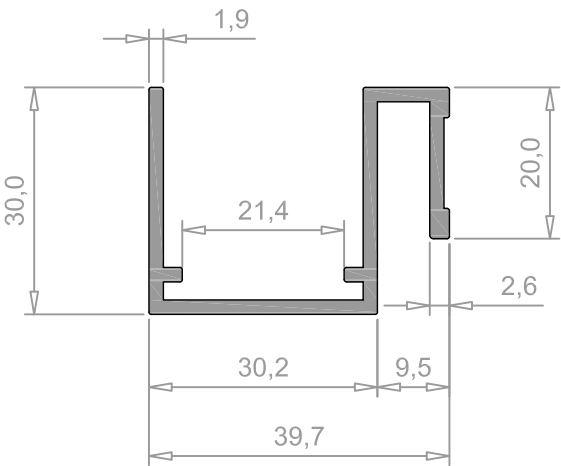
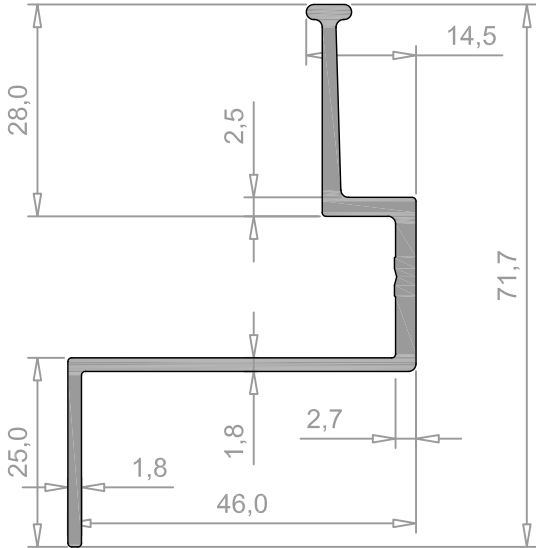
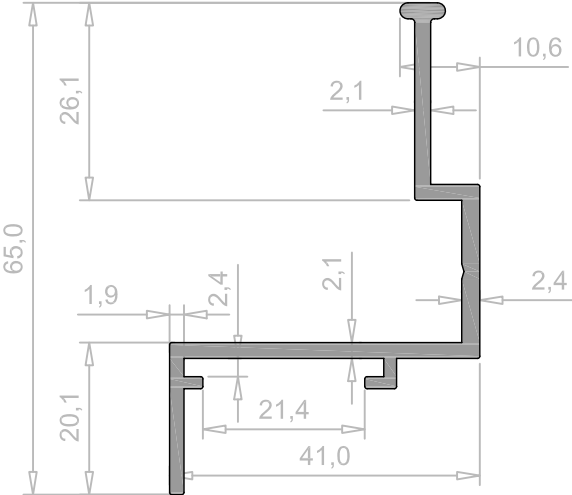
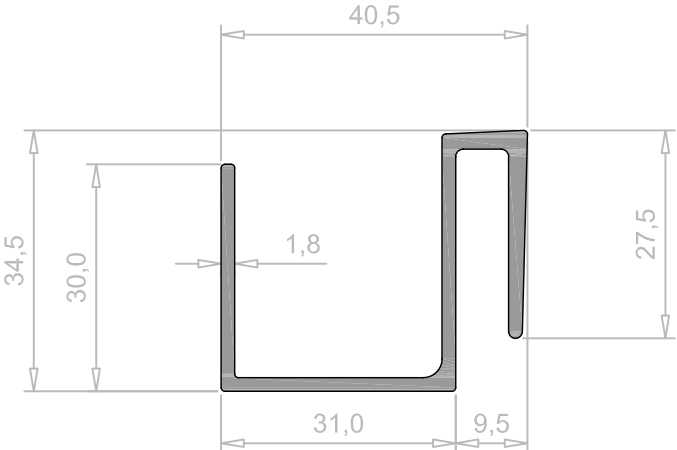
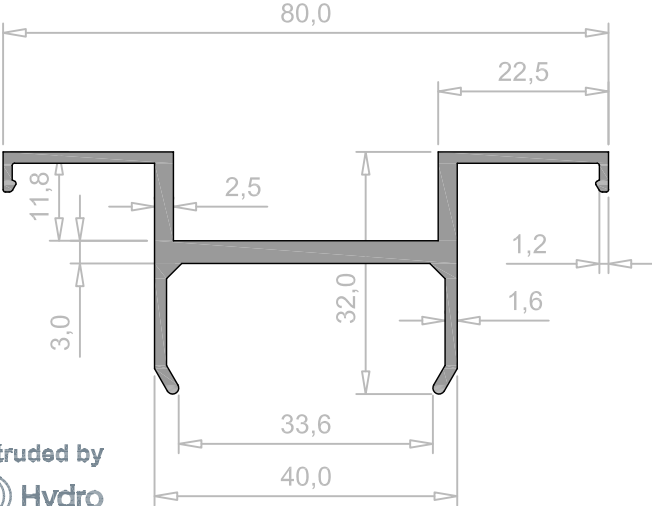


E556091	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil ómega painel compósito	1,6 mm	33,2 dm ² /m	51,3 dm ² /m	1,164 Kg/m
	Momento Inércia	Ix: 20,52 cm ⁴	Iy: 23,87 cm ⁴	Navarra

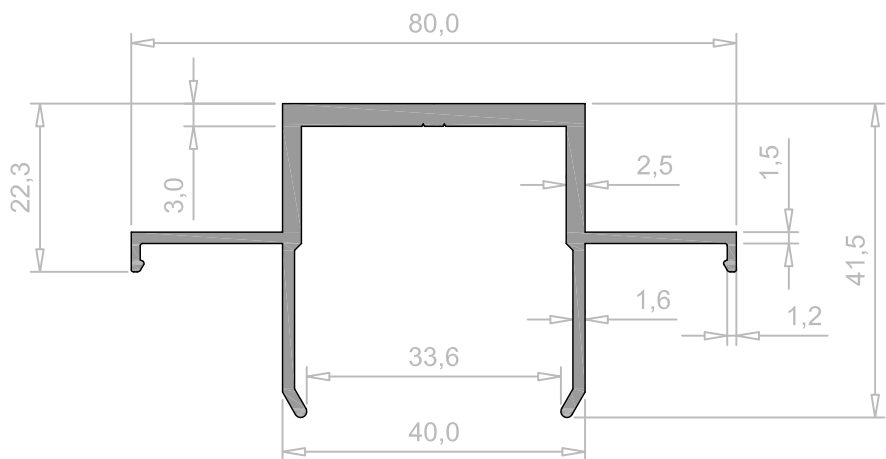


E-15452	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil ómega painel compósito	1,6 mm	40,6 dm ² /m	40,6 dm ² /m	1,072 Kg/m
	Momento Inércia	Ix: 16,32 cm ⁴	Iy: 28,10 cm ⁴	La Roca

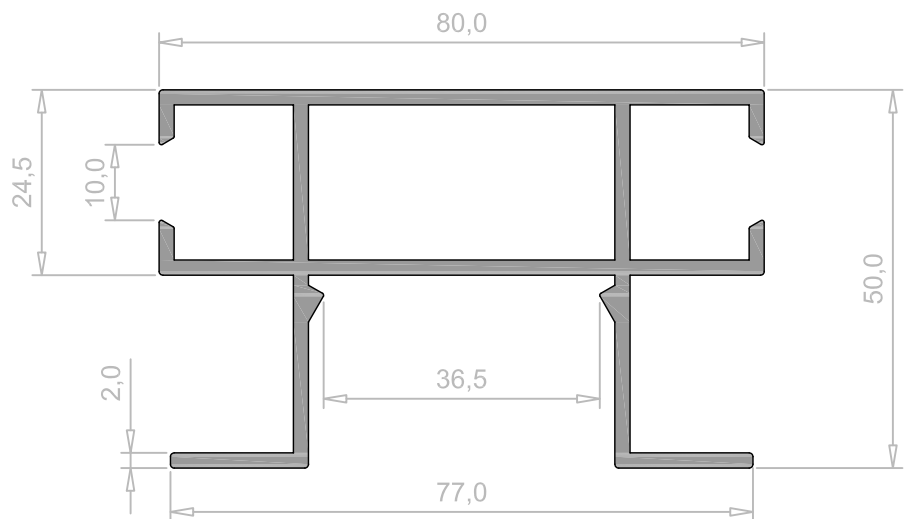


E113131 Fixação U fêmea compósito	Espes. 1,9 mm Momento Inércia	Sup. Ext. 24,1 dm ² /m Ix: 2,40 cm ⁴	Sup. Total 24,1 dm ² /m Iy: 4,81 cm ⁴	Peso 0,621 Kg/m Navarra	E-15453 Fixação macho painel compósito	Espes. 1,8 mm Momento Inércia	Sup. Ext. 25,8 dm ² /m Ix: 6,87 cm ⁴	Sup. Total 25,8 dm ² /m Iy: 8,12 cm ⁴	Peso 0,726 Kg/m La Roca
									
E113803 Fixação macho painel compósito	Espes. 1,9 mm Momento Inércia	Sup. Ext. 24,7 dm ² /m Ix: 5,21 cm ⁴	Sup. Total 24,7 dm ² /m Iy: 6,97 cm ⁴	Peso 0,689 Kg/m Navarra	E-15454 Perfil fêmea U painel compósito	Espes. 1,8 mm Momento Inércia	Sup. Ext. 25,2 dm ² /m Ix: 1,80 cm ⁴	Sup. Total 25,2 dm ² /m Iy: 5,26 cm ⁴	Peso 0,648 Kg/m La Roca
									
E-13656 Clipe de 32 painel compósito	Espes. 1,5 mm Momento Inércia	Sup. Ext. 29,6 dm ² /m Ix: 1,99 cm ⁴	Sup. Total 29,6 dm ² /m Iy: 12,94 cm ⁴	Peso 0,834 Kg/m La Roca					

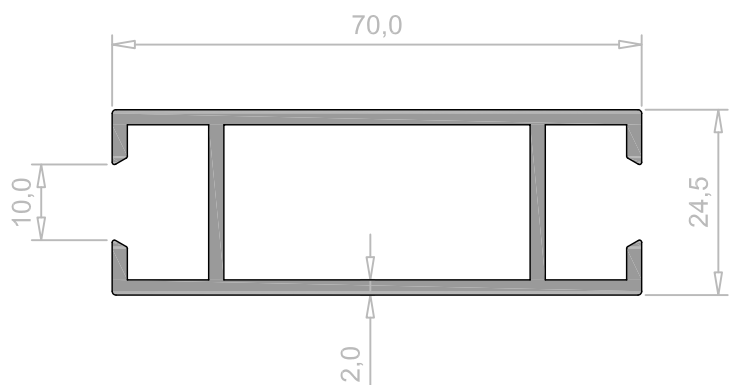
E113802	Espes.	Sup. Ext.	Sup. Total	Peso
Clipe de 42 painel compósito	1,6 mm	33,5 dm ² /m	33,5 dm ² /m	0,923 Kg/m
	Momento Inércia	Ix: 4,48 cm ⁴	Iy: 14,16 cm ⁴	Navarra



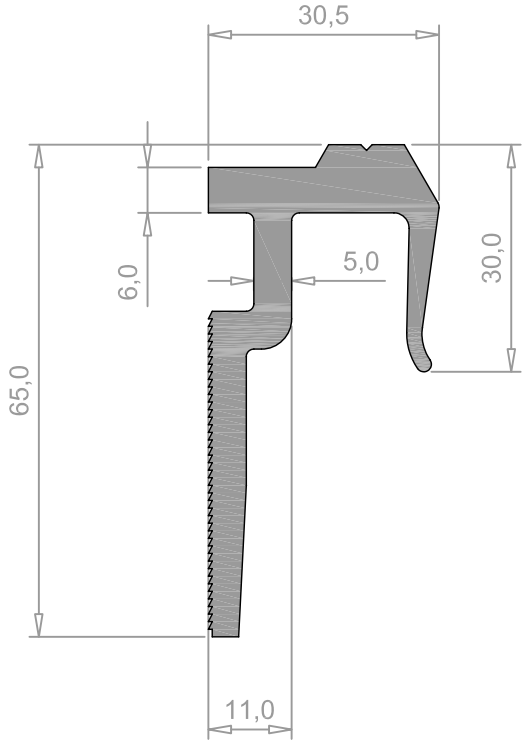
E-13801	Espes.	Sup. Ext.	Sup. Total	Peso
Clipe de 50 painel compósito	2,0 mm	48,9 dm ² /m	61,6 dm ² /m	1,666 Kg/m
	Momento Inércia	Ix: 16,31 cm ⁴	Iy: 37,77 cm ⁴	La Roca



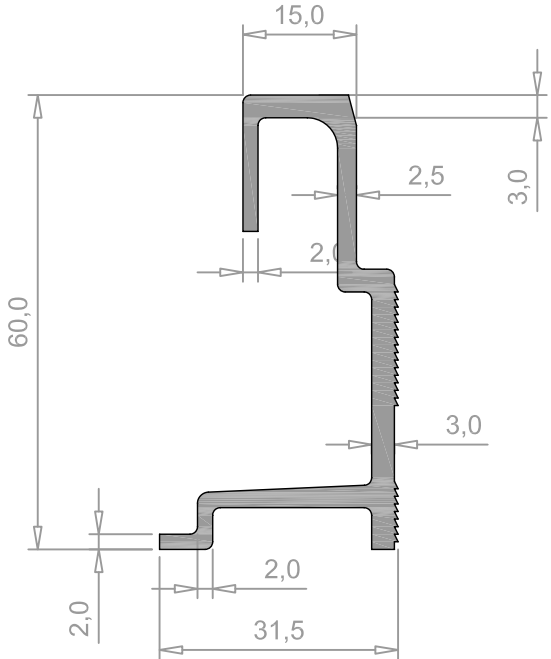
E-13976	Espes.	Sup. Ext.	Sup. Total	Peso
Fixação macho painel compósito	2,0 mm	27,8 dm ² /m	50,1 dm ² /m	1,083 Kg/m
	Momento Inércia	Ix: 4,08 cm ⁴	Iy: 19,62 cm ⁴	La Roca



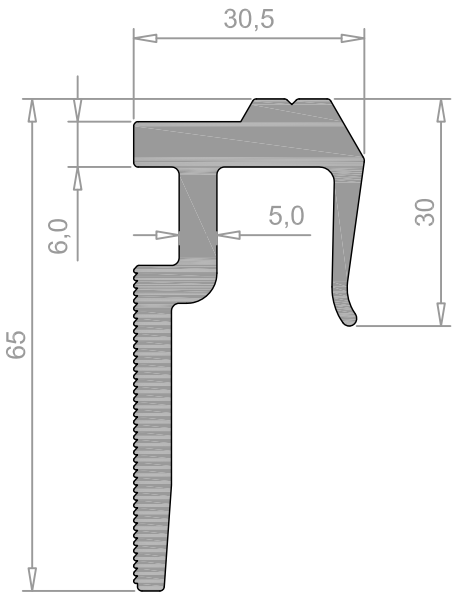
E115300	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil fêmea oculto painel fenólico	5,0 mm	25,6 dm ² /m	25,6 dm ² /m	1,504 Kg/m
	Momento Inercia	Ix: 17,86 cm ⁴	Iy: 5,44 cm ⁴	Navarra



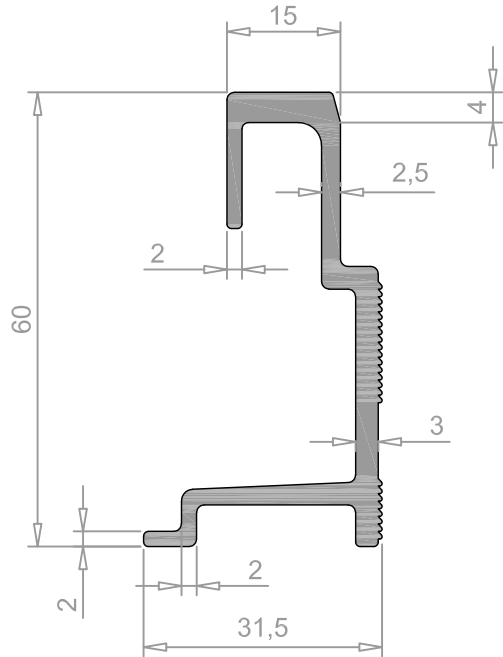
E115301	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil macho oculto painel fenólico	2,0 mm	26,2 dm ² /m	26,2 dm ² /m	0,910 Kg/m
	Momento Inercia	Ix: 14,15 cm ⁴	Iy: 2,21 cm ⁴	Navarra



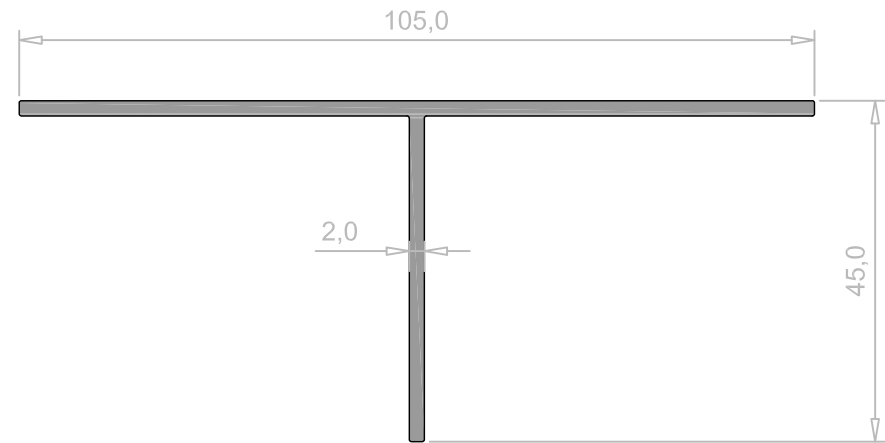
E-19328	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil fêmea oculto painel fenólico	5,0 mm	25,5 dm ² /m	25,5 dm ² /m	1,512 Kg/m
	Momento Inercia	Ix: 18,34 cm ⁴	Iy: 5,07 cm ⁴	La Roca



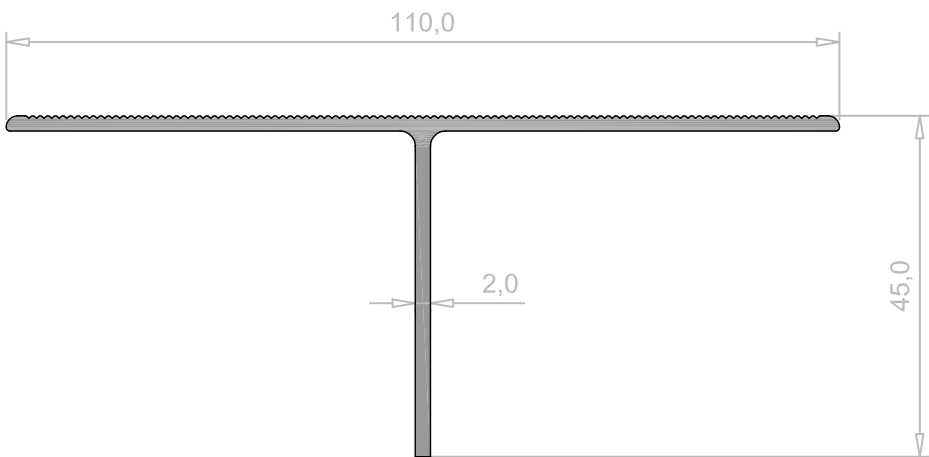
E-15329	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil macho oculto painel fenólico	2,0 mm	25,8 dm ² /m	25,8 dm ² /m	0,934 Kg/m
	Momento Inercia	Ix: 18,84 cm ⁴	Iy: 2,25 cm ⁴	La Roca



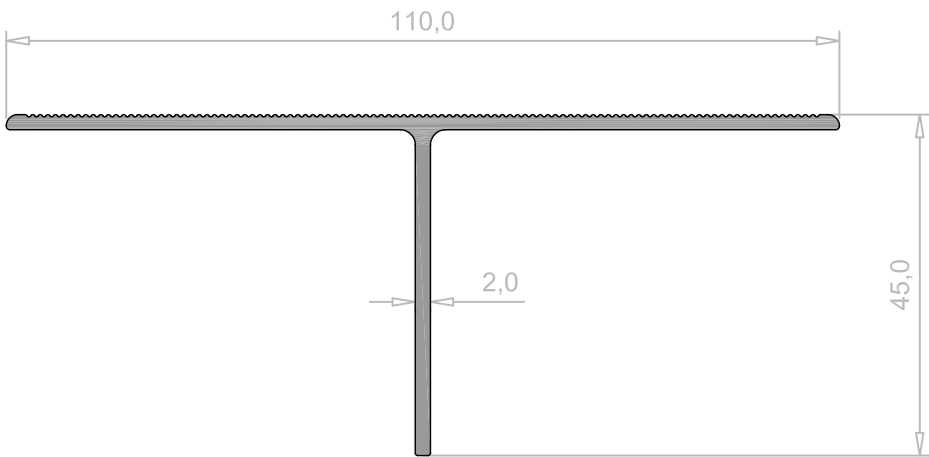
T-16	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	29,9 dm ² /m	29,9 dm ² /m	0,799 Kg/m
	Momento Inercia	Ix: 4,42 cm ⁴	Iy: 19,28 cm ⁴	Avintes



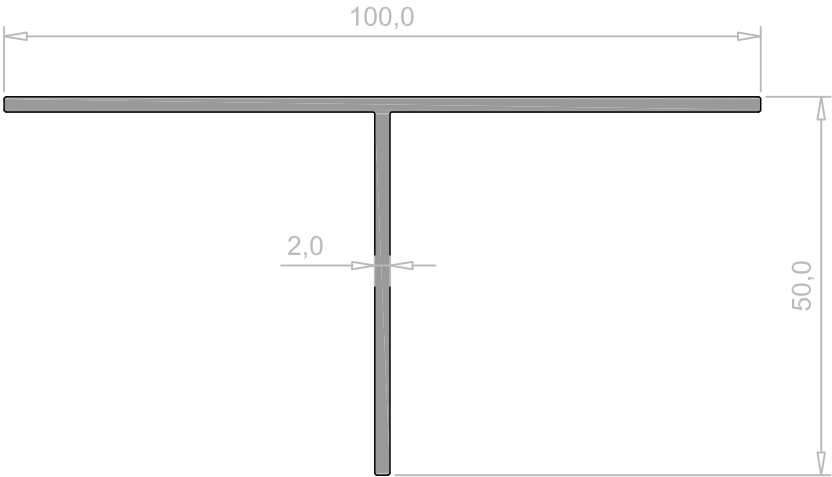
E-13278	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	32,6 dm ² /m	32,6 dm ² /m	0,794 Kg/m
	Momento Inercia	Ix: 4,39 cm ⁴	Iy: 20,69 cm ⁴	La Roca



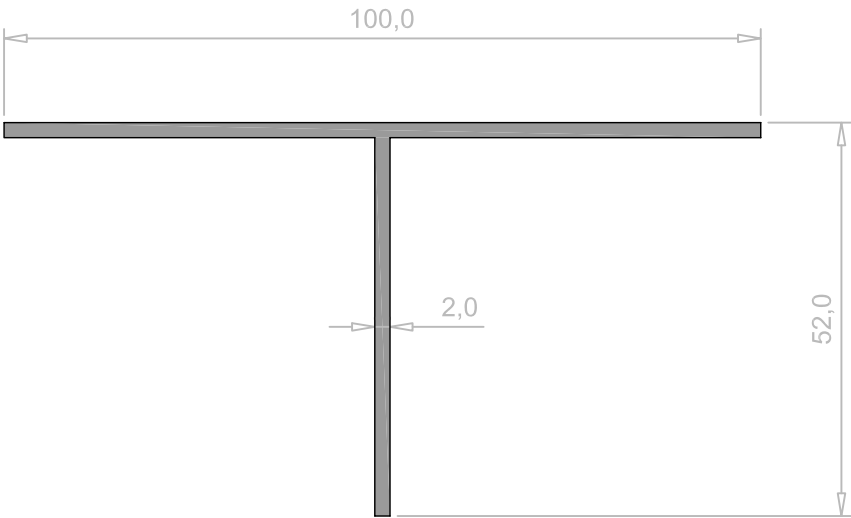
E013150	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	33,0 dm ² /m	33,0 dm ² /m	0,787 Kg/m
	Momento Inercia	Ix: 4,39 cm ⁴	Iy: 20,69 cm ⁴	Navarra



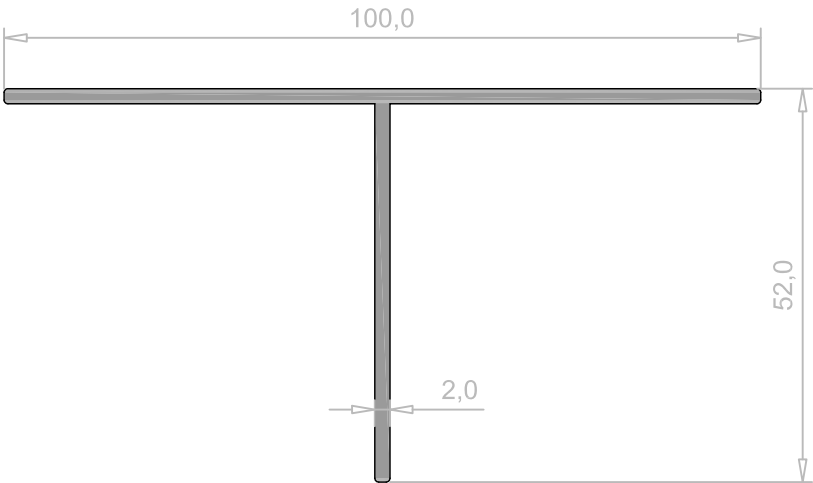
T-14	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	29,9 dm ² /m	29,9 dm ² /m	0,799 Kg/m
	Momento Inercia	Ix: 5,90 cm ⁴	Iy: 16,65 cm ⁴	Avintes



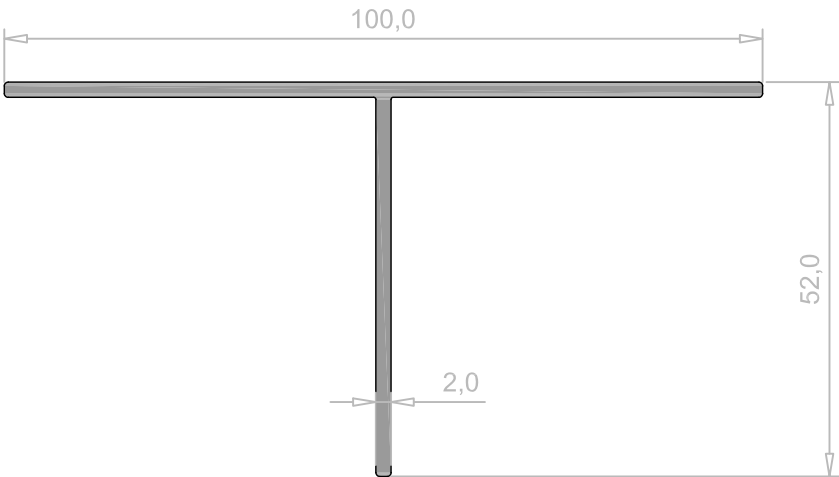
T-42024	Espes.	Sup. Ext.	Sup. Total	Peso
	2,0 mm	30,4 dm ² /m	30,4 dm ² /m	0,810 Kg/m
	Momento Inercia	Ix: 6,59 cm ⁴	Iy: 16,67 cm ⁴	La Roca



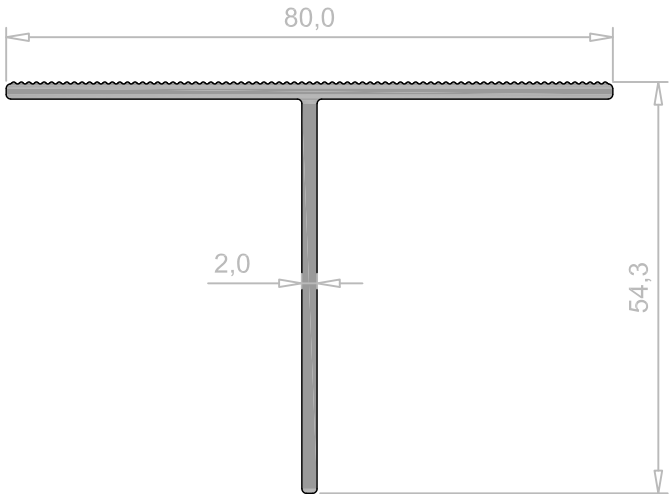
E011198	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	30,3 dm ² /m	30,3 dm ² /m	0,810 Kg/m
	Momento Inercia	Ix: 6,58 cm ⁴	Iy: 16,61 cm ⁴	Navarra



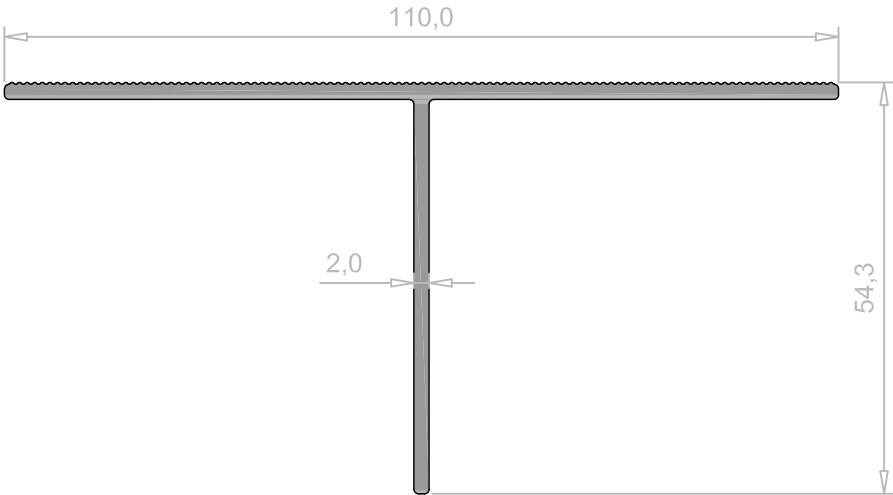
T-25	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	30,3 dm ² /m	30,3 dm ² /m	0,809 Kg/m
	Momento Inercia	Ix: 6,58 cm ⁴	Iy: 16,62 cm ⁴	Avintes

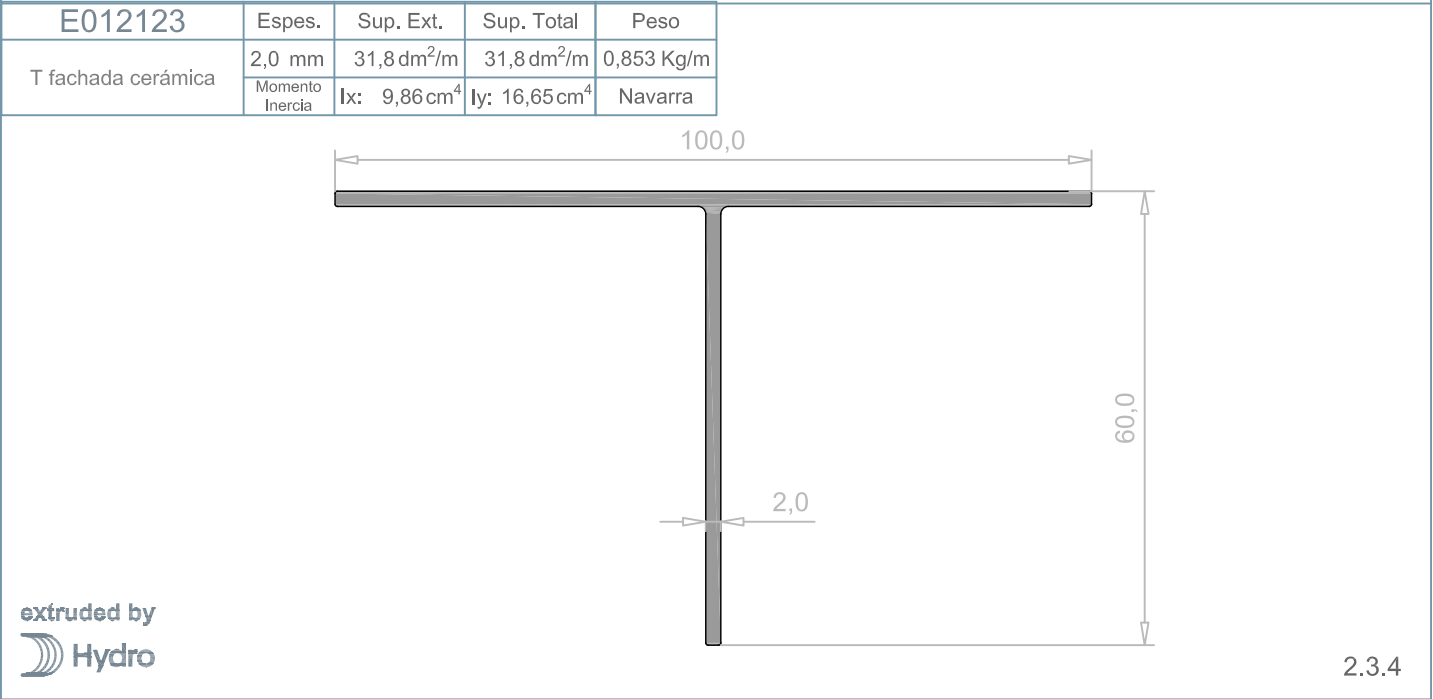
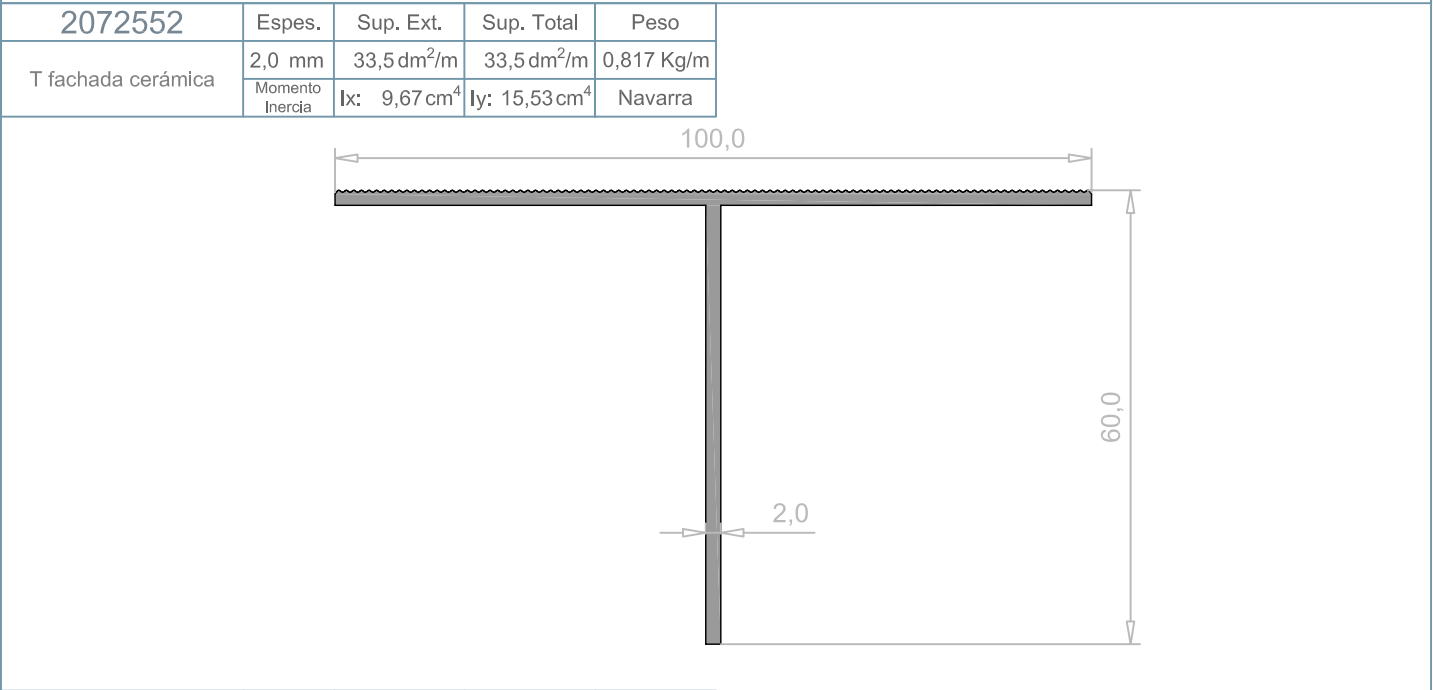
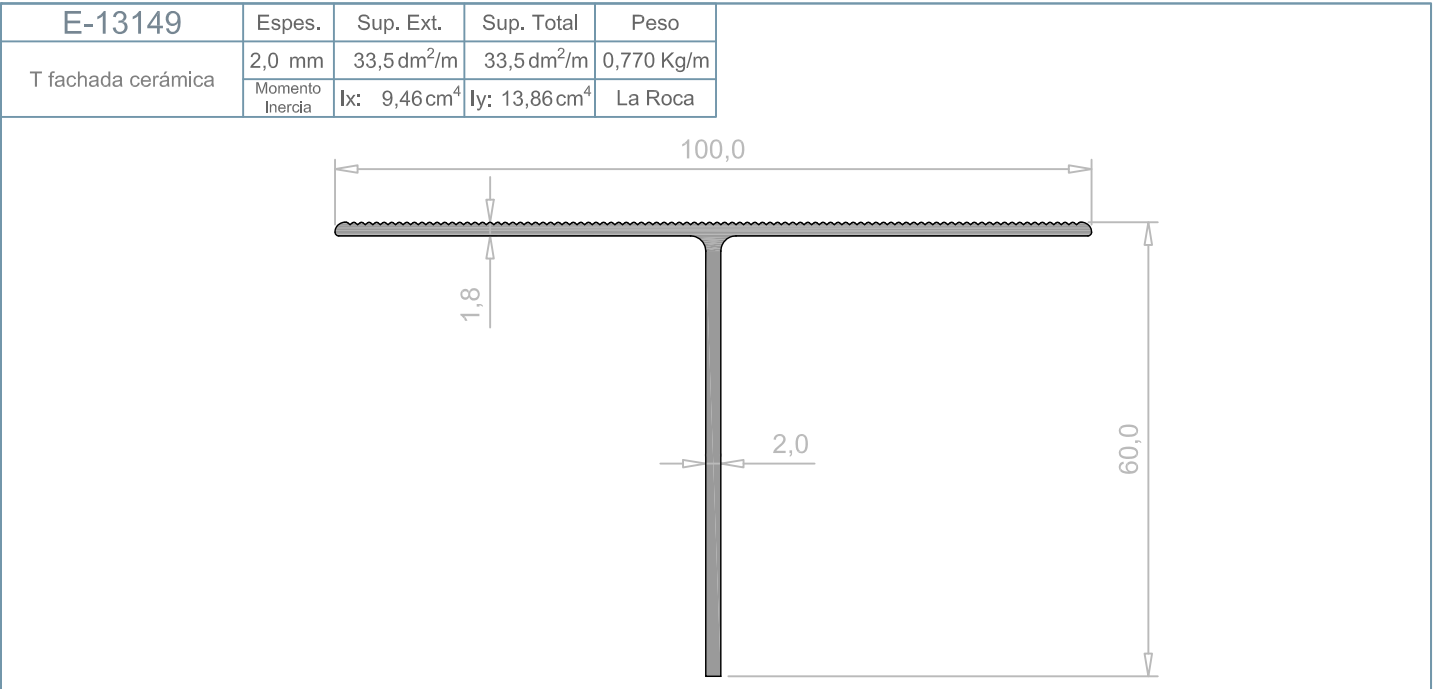


E-19325	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	27,8 dm ² /m	27,8 dm ² /m	0,740 Kg/m
	Momento Inercia	Ix: 7,05 cm ⁴	Iy: 9,00 cm ⁴	La Roca

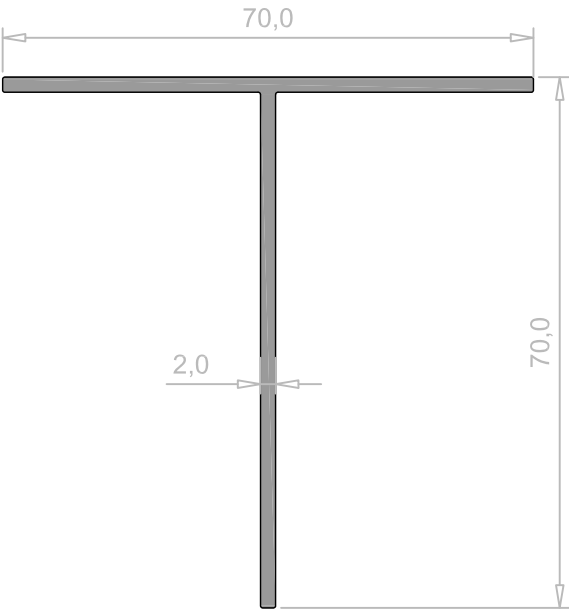


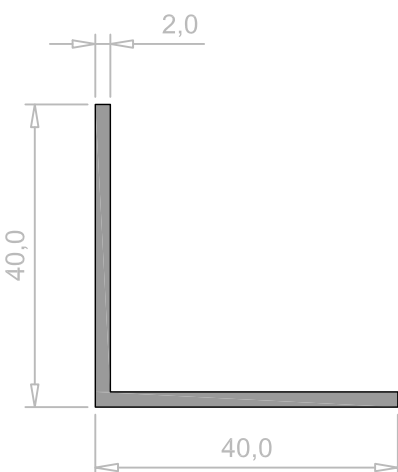
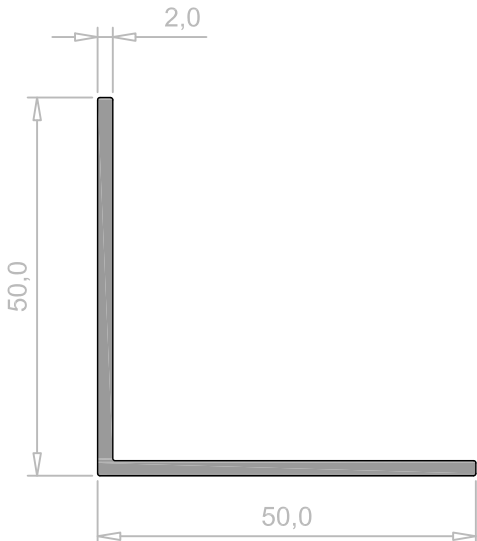
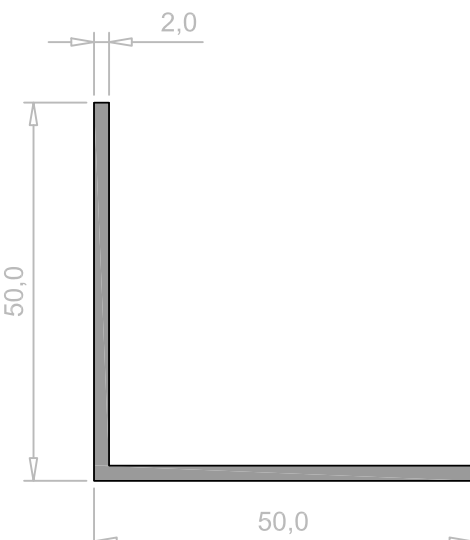
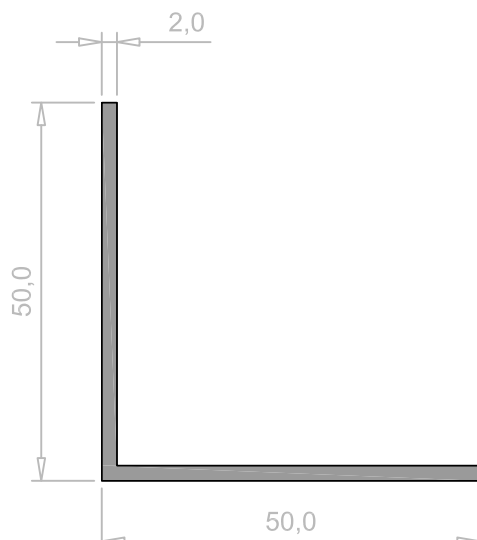
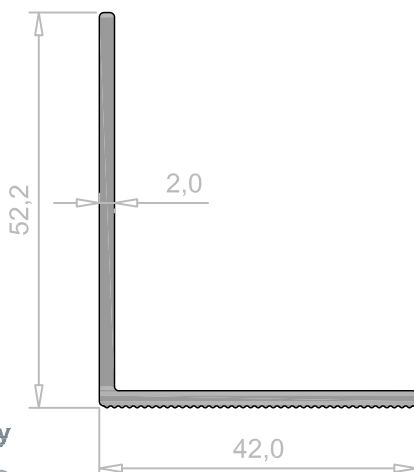
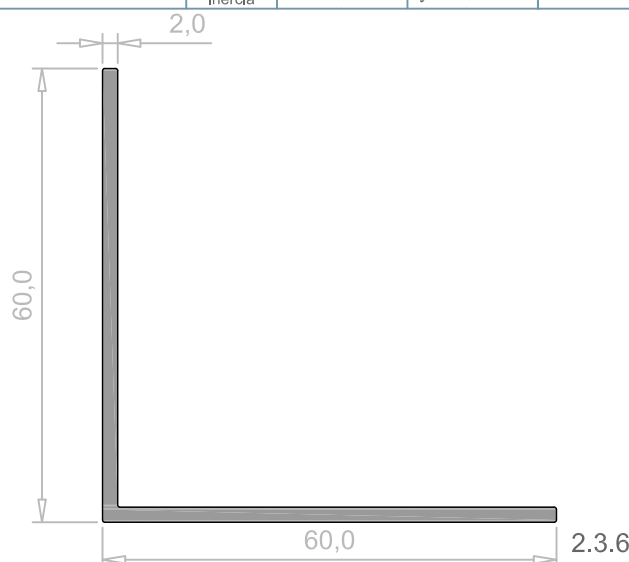
E-19324	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	34,3 dm ² /m	34,3 dm ² /m	0,913 Kg/m
	Momento Inercia	Ix: 7,59 cm ⁴	Iy: 23,45 cm ⁴	La Roca



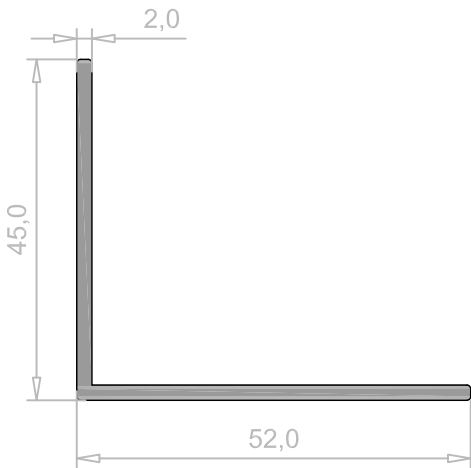


E118930	Espes.	Sup. Ext.	Sup. Total	Peso
T fachada cerámica	2,0 mm	27,9 dm ² /m	27,9 dm ² /m	0,745 Kg/m
	Momento Inercia	Ix: 13,68 cm ⁴	Iy: 5,71 cm ⁴	Navarra

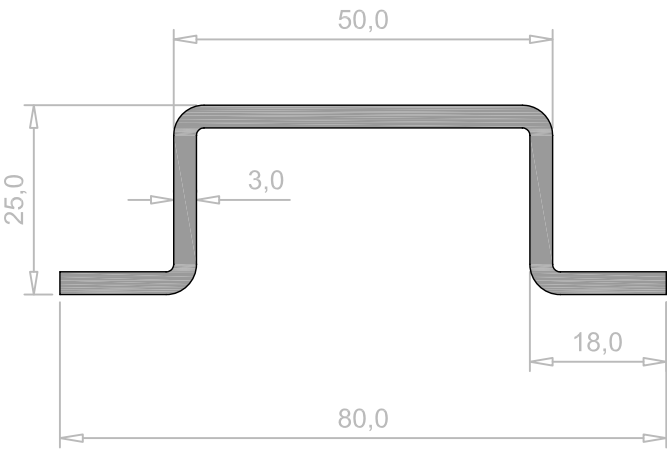


E140043	Espes.	Sup. Ext.	Sup. Total	Peso	L-42	Espes.	Sup. Ext.	Sup. Total	Peso
L fachada cerámica	mm	16,0 dm ² /m	16,0 dm ² /m	0,421 Kg/m	L fachada cerámica	2,0 mm	19,9 dm ² /m	19,9 dm ² /m	0,529 Kg/m
	Momento Inercia	Ix: 2,48 cm ⁴	Iy: 2,48 cm ⁴	Navarra		Momento Inercia	Ix: 1,96 cm ⁴	Iy: 7,82 cm ⁴	Avintes
									
L-40057	Espes.	Sup. Ext.	Sup. Total	Peso	E013151	Espes.	Sup. Ext.	Sup. Total	Peso
L fachada cerámica	2 mm	20,0 dm ² /m	20,0 dm ² /m	0,529 Kg/m	L fachada cerámica	2 mm	20,0 dm ² /m	20,0 dm ² /m	0,529 Kg/m
	Momento Inercia	Ix: 4,91 cm ⁴	Iy: 4,91 cm ⁴	La Roca		Momento Inercia	Ix: 4,91 cm ⁴	Iy: 4,91 cm ⁴	Navarra
									
E-19326	Espes.	Sup. Ext.	Sup. Total	Peso	L-40068	Espes.	Sup. Ext.	Sup. Total	Peso
L fachada cerámica	2,0 mm	19,3 dm ² /m	19,3 dm ² /m	0,510 Kg/m	L fachada cerámica	2 mm	24,0 dm ² /m	14,0 dm ² /m	0,637 Kg/m
	Momento Inercia	Ix: 5,27 cm ⁴	Iy: 3,18 cm ⁴	La Roca		Momento Inercia	Ix: 8,55 cm ⁴	Iy: 8,55 cm ⁴	La Roca
									

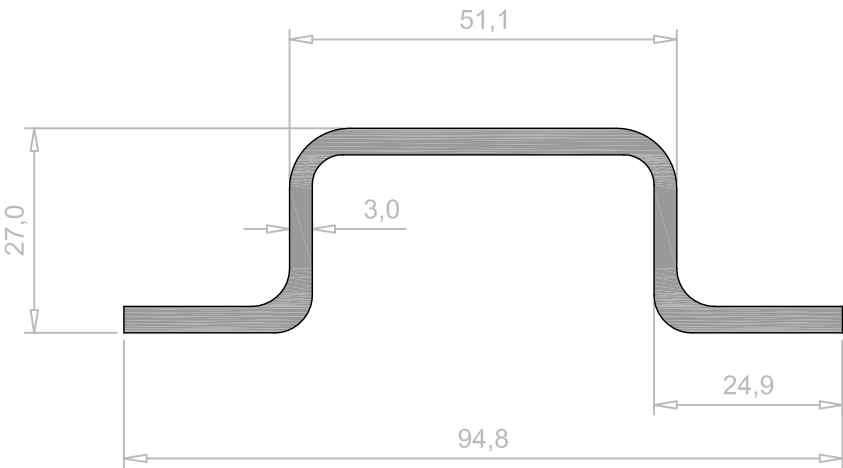
E-11199	Espes.	Sup. Ext.	Sup. Total	Peso
L fachada cerámica	2,0 mm	19,3 dm ² /m	19,3 dm ² /m	0.513 Kg/m
	Momento Inercia	Ix: 3,70 cm ⁴	Iy: 5,27 cm ⁴	Navarra



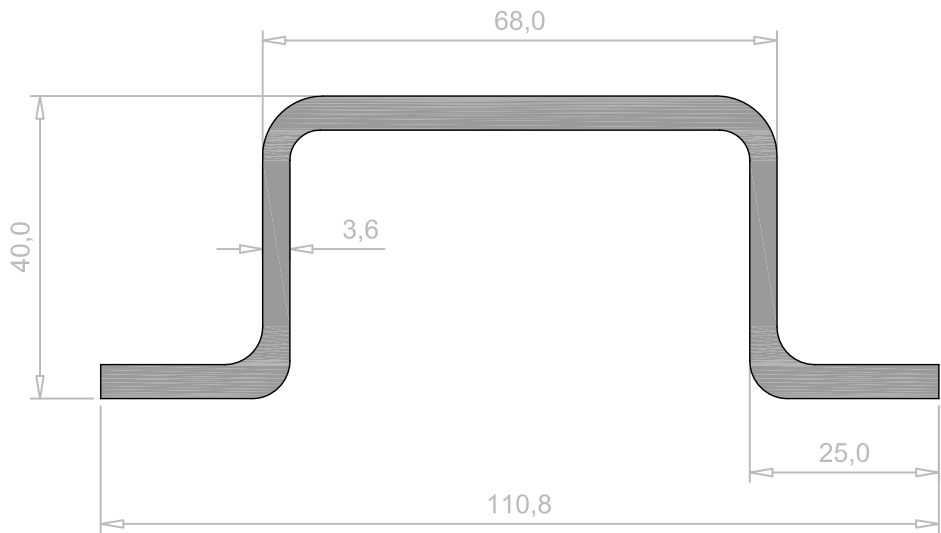
E-60008	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	3,0 mm	24,6 dm ² /m	24,6 dm ² /m	0,969 Kg/m
	Momento Inercia	Ix: 3,24 cm ⁴	Iy: 19,38 cm ⁴	La Roca



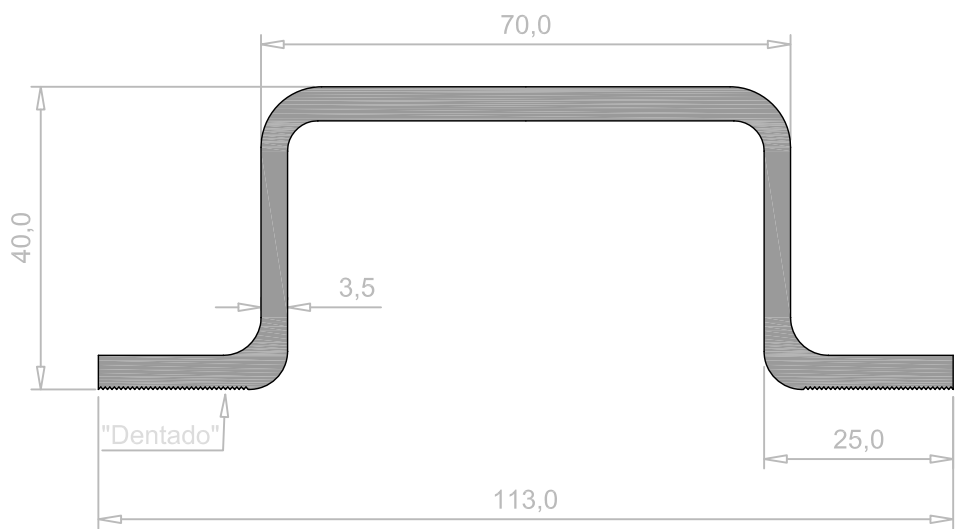
2041459	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	3,0 mm	dm ² /m	27,0 dm ² /m	1,219 Kg/m
	Momento Inercia	Ix: 4,89 cm ⁴	Iy: 31,94 cm ⁴	Navarra



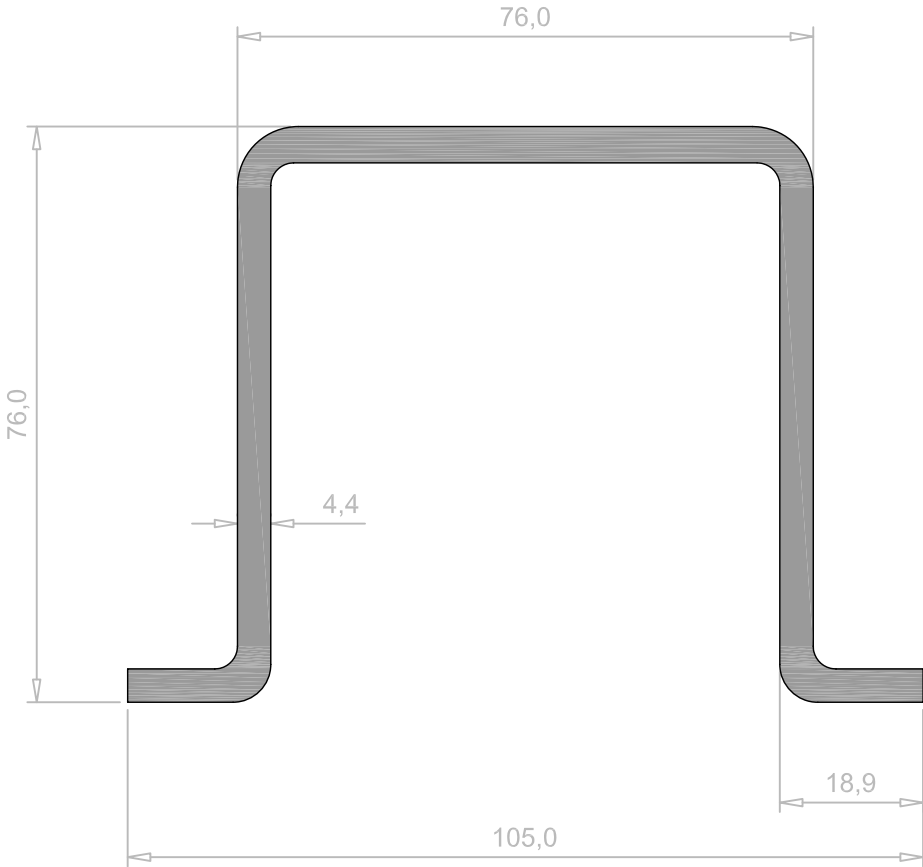
2041034	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	3,6 mm	35,2 dm ² /m	35,2 dm ² /m	1,979 Kg/m
	Momento Inercia	Ix: 17,51 cm ⁴	Iy: 75,53 cm ⁴	Navarra



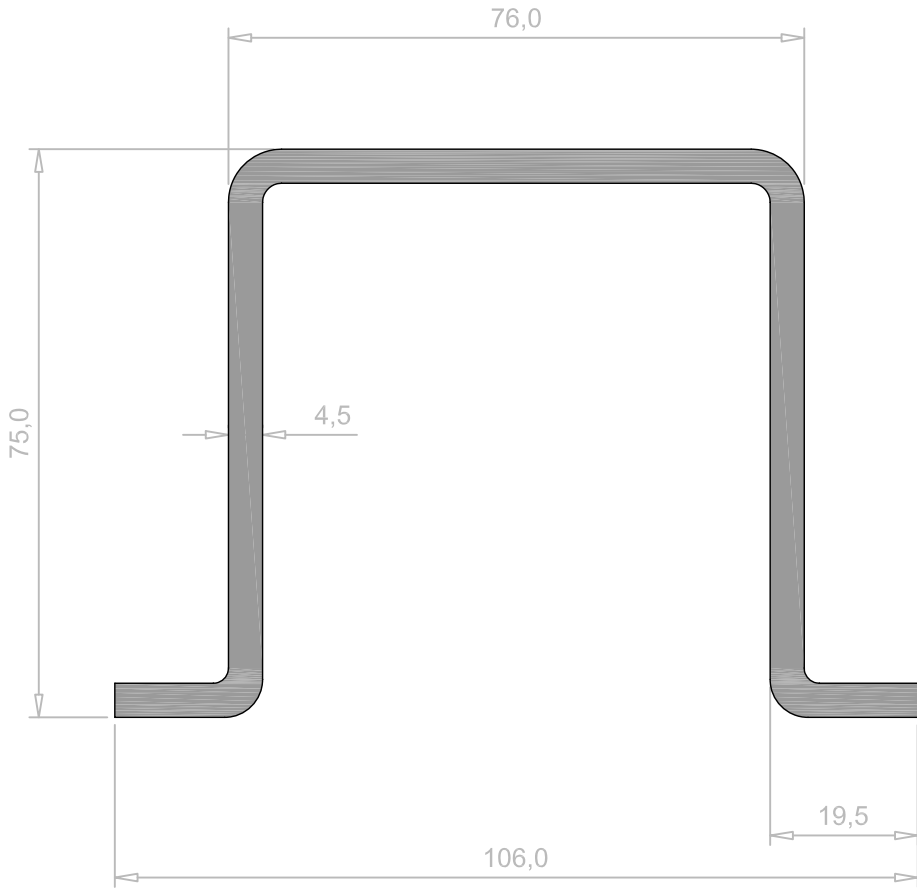
E-60010	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	3,5 mm	37,5 dm ² /m	37,5 dm ² /m	1,972 Kg/m
	Momento Inercia	Ix: 17,42 cm ⁴	Iy: 78,16 cm ⁴	La Roca



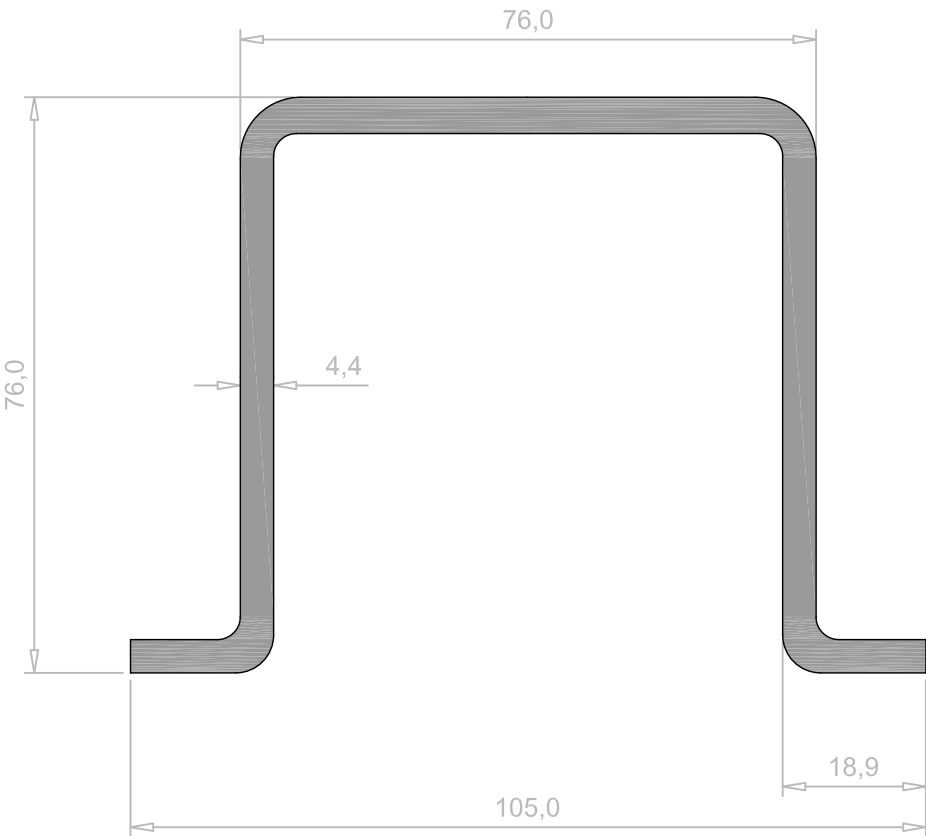
E-7623	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	4,4 mm	48,9 dm ² /m	48,9 dm ² /m	2,939 Kg/m
	Momento Inercia	Ix: 81,60 cm ⁴	Iy: 120,4 cm ⁴	La Roca



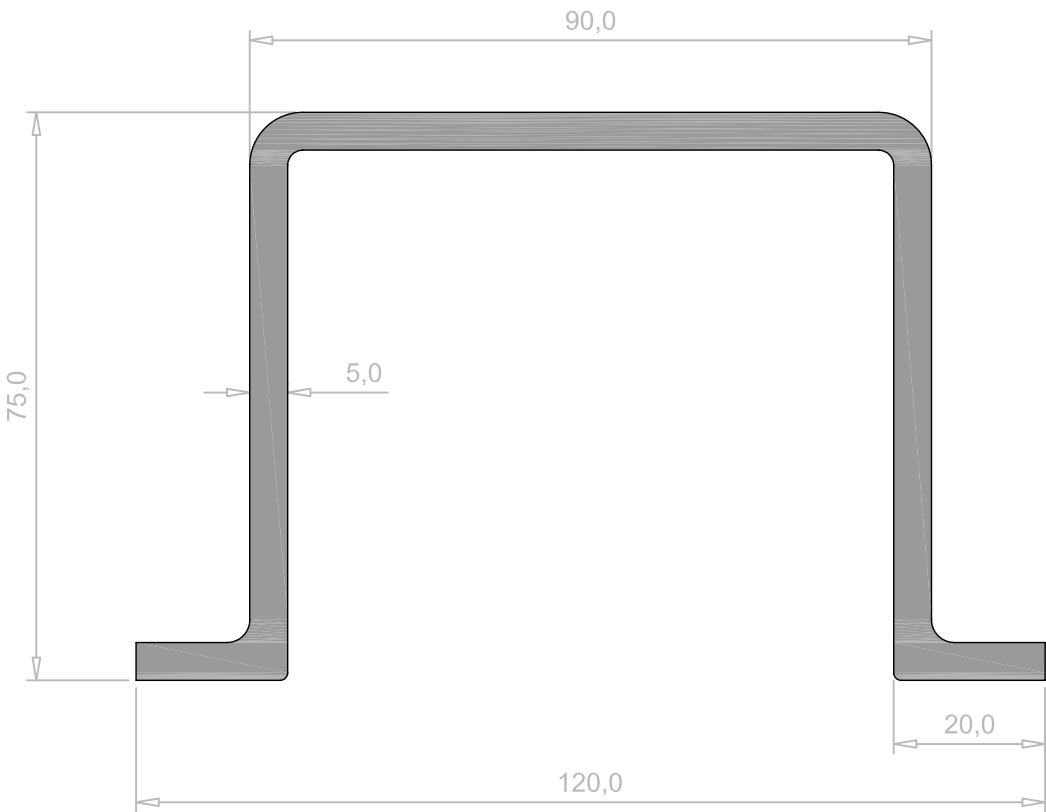
E800882	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	4,5 mm	48,9 dm ² /m	48,9 dm ² /m	2,927 Kg/m
	Momento Inercia	Ix: 79,44 cm ⁴	Iy: 122,3 cm ⁴	Navarra



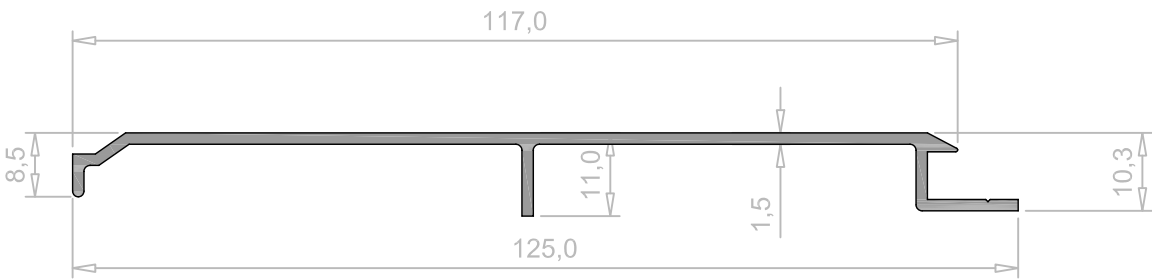
2054913	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	4,4 mm	48,8 dm ² /m	48,8 dm ² /m	2,939 Kg/m
	Momento Inercia	Ix: 81,60 cm ⁴	Iy: 120,4 cm ⁴	Navarra



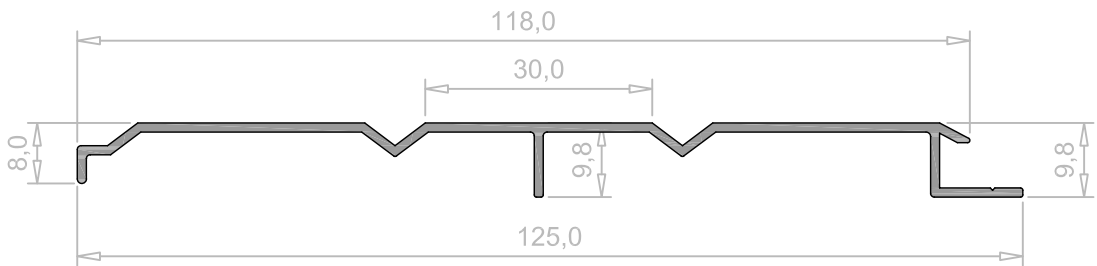
2047977	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil Ómega	5,0 mm	51,8 dm ² /m	51,8 dm ² /m	3,466 Kg/m
	Momento Inercia	Ix: 95,52 cm ⁴	Iy: 195,6 cm ⁴	Navarra



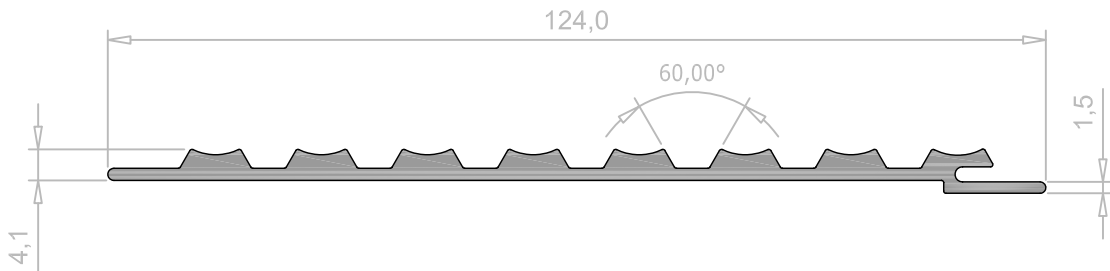
E-350761	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimiento	1,5 mm	30,2 dm ² /m	30,2 dm ² /m	0,616 Kg/m
	Momento Inercia	Ix: 0,14 cm ⁴	Iy: 25,67 cm ⁴	La Roca



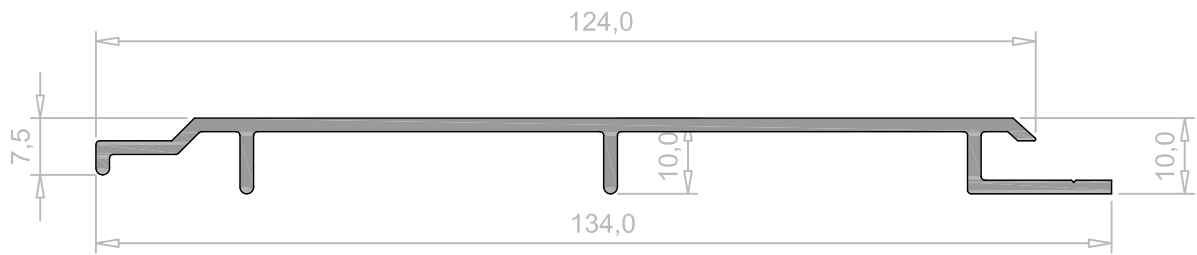
E300293	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimiento	1,2 mm	31,0 dm ² /m	31,0 dm ² /m	0,502 Kg/m
	Momento Inercia	Ix: 0,14 cm ⁴	Iy: 25,66 cm ⁴	Navarra

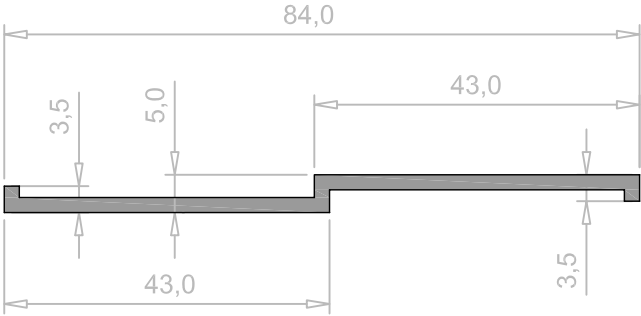
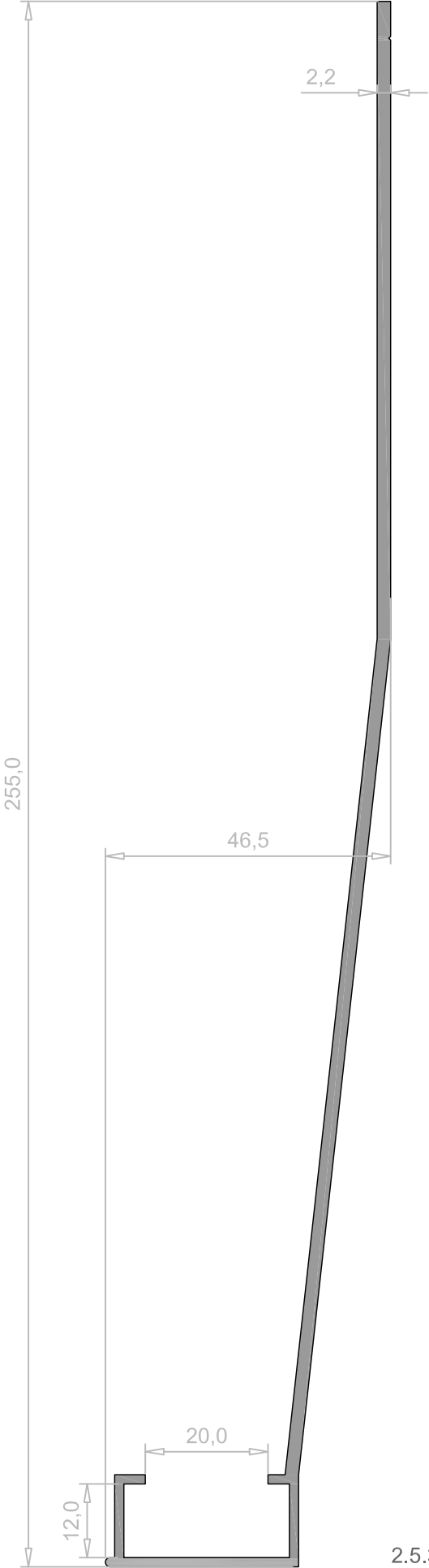


W-19	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimiento	1,5 mm	28,7 dm ² /m	28,7 dm ² /m	0,909 Kg/m
	Momento Inercia	Ix: 0,05 cm ⁴	Iy: 39,64 cm ⁴	Avintes

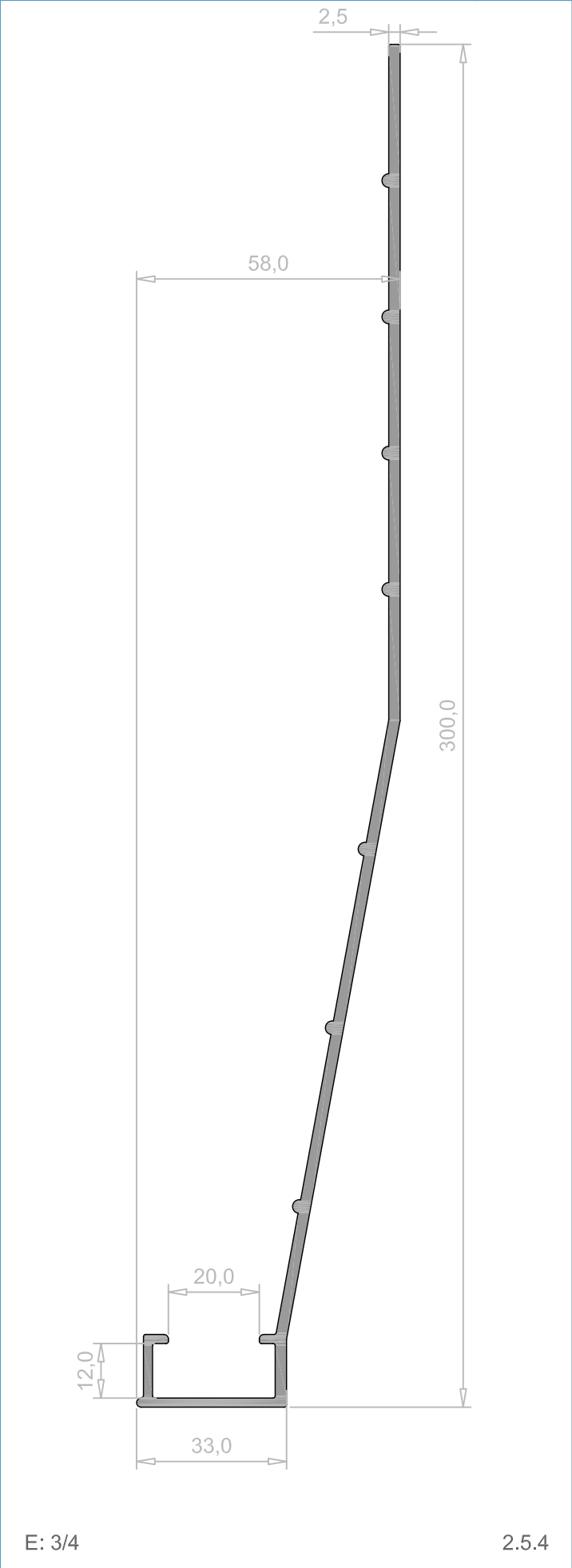
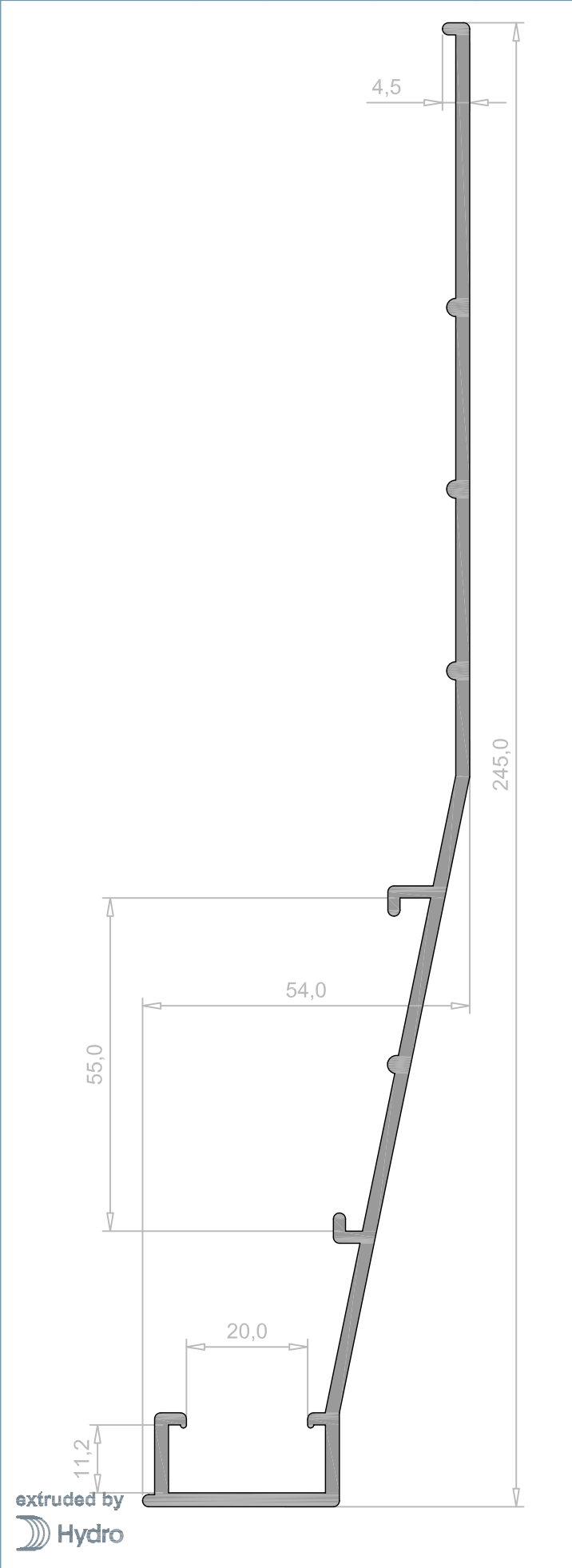


E100713	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimento	1,8 mm	33,9dm ² /m	33,9dm ² /m	0,821 Kg/m
	Momento Inercia	Ix: 0,97 cm ⁴	Iy: 48,99cm ⁴	Navarra

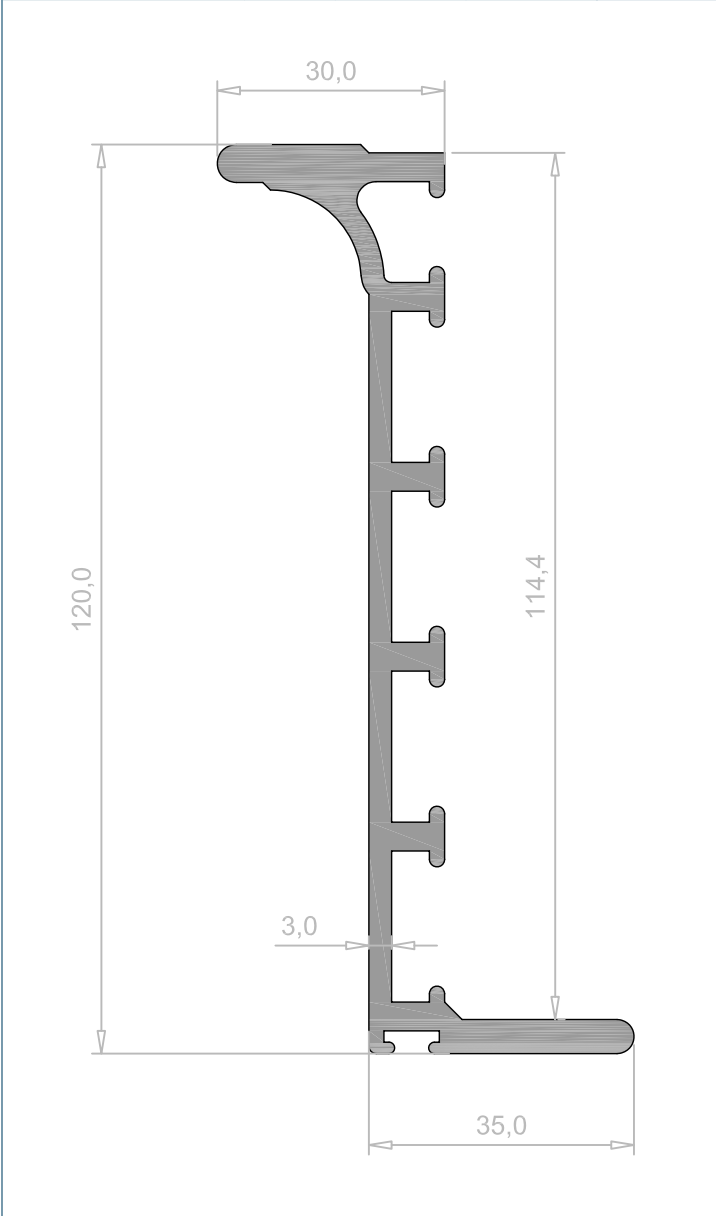


E-13563	Espes.	Sup. Ext.	Sup. Total	Peso	M-4845	Espes.	Sup. Ext.	Sup. Total	Peso
Revestimiento	2,0 mm	18,5 dm ² /m	18,5 dm ² /m	0,486 Kg/m	Base	2,2 mm	61,5 dm ² /m	61,5 dm ² /m	1,695 Kg/m
	Momento Inercia	Ix: 0,04 cm ⁴	Iy: 10,89 cm ⁴	La Roca		Momento Inercia	Ix: 391,1 cm ⁴	Iy: 7,82 cm ⁴	La Roca
									
					2.5.3				

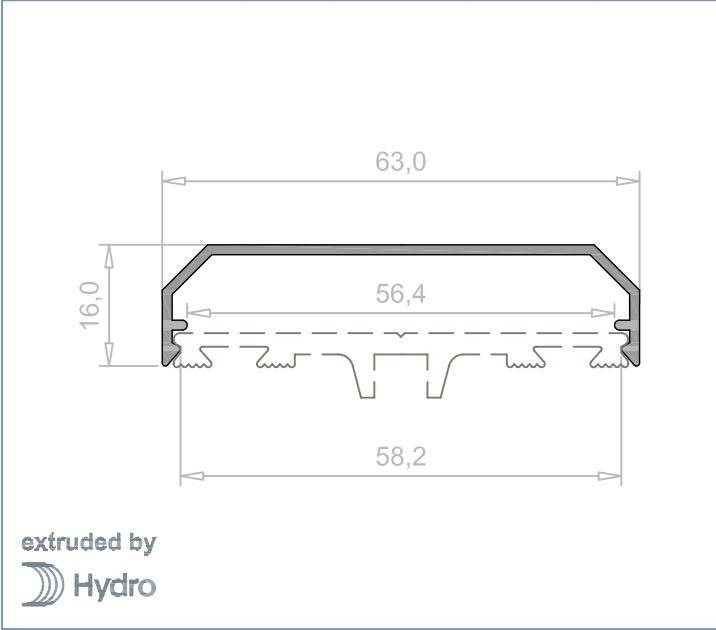
2074657	Espes.	Sup. Ext.	Sup. Total	Peso	E-18165	Espes.	Sup. Ext.	Sup. Total	Peso
Base	2,3 mm	64,1 dm ² /m	64,1 dm ² /m	1,977 Kg/m	Base	2,5 mm	72,1 dm ² /m	72,1 dm ² /m	2,384 Kg/m
	Momento Inercia	Ix: 429,4 cm ⁴	Iy: 15,79 cm ⁴	Navarra		Momento Inercia	Ix: 771,9 cm ⁴	Iy: 19,95 cm ⁴	La Roca



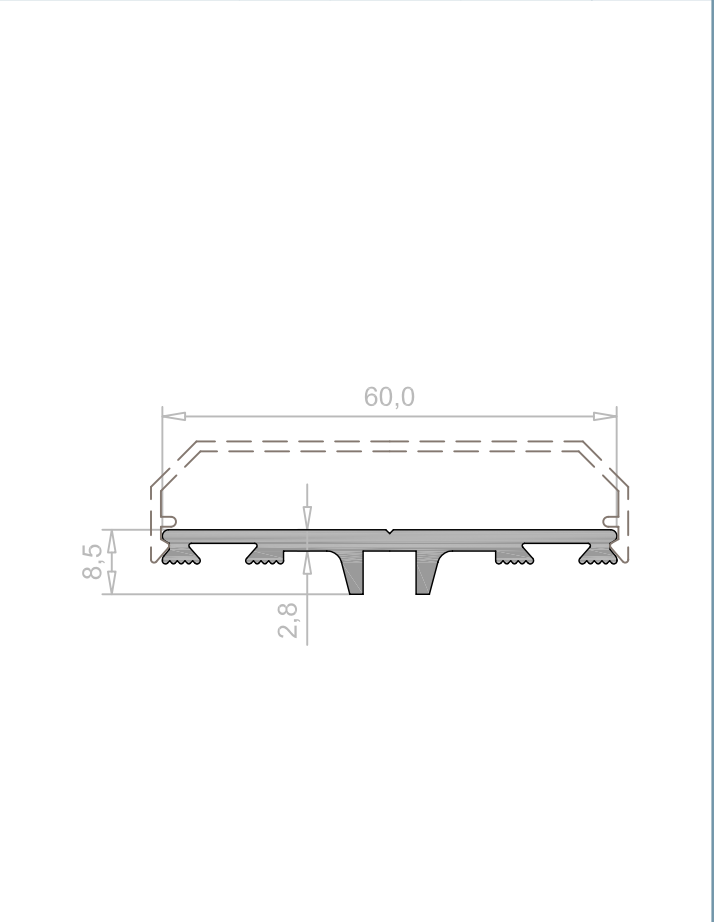
E335353	Espes.	Sup. Ext.	Sup. Total	Peso
Cargueiro	3,0 mm	45,5 dm ² /m	45,5 dm ² /m	2,131 Kg/m
	Momento Inercia	Ix: 147,6 cm ⁴	Iy: 7,28 cm ⁴	Navarra



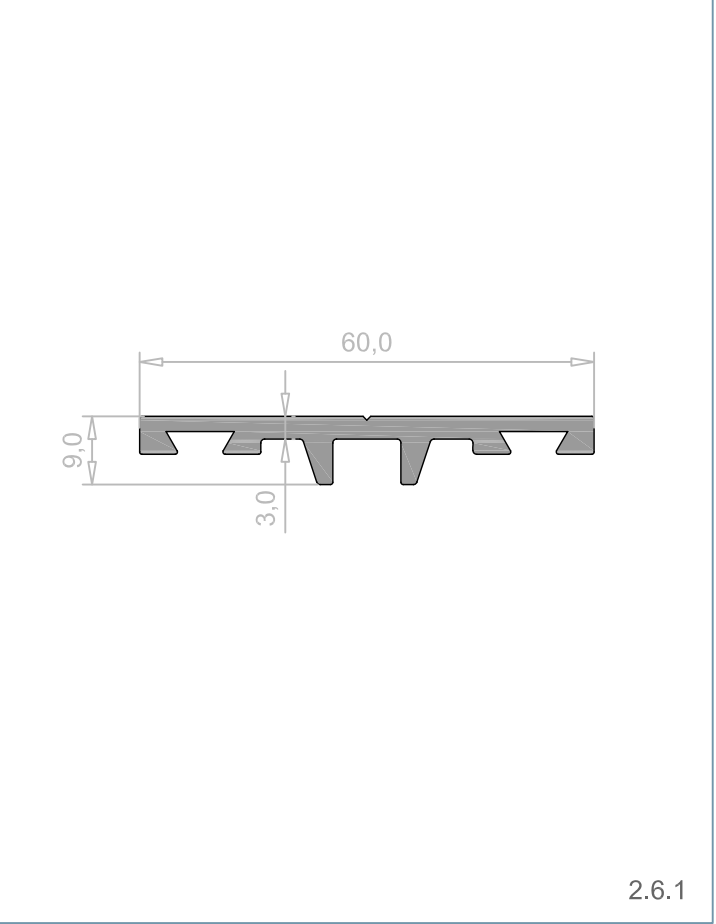
E012808	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil tapa cobertas	1,3 mm	18,0 dm ² /m	18,0 dm ² /m	0,321 Kg/m
	Momento Inercia	Ix: 0,27 cm ⁴	Iy: 6,04 cm ⁴	Navarra



E012807	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil cobertas policarbonato	1,8 mm	17,5 dm ² /m	17,5 dm ² /m	0,556 Kg/m
	Momento Inercia	Ix: 0,06 cm ⁴	Iy: 5,48 cm ⁴	Navarra



600936	Espes.	Sup. Ext.	Sup. Total	Peso
Perfil cobertas policarbonato	2,0 mm	17,3 dm ² /m	17,3 dm ² /m	0,632 Kg/m
	Momento Inercia	Ix: 0,09 cm ⁴	Iy: 6,62 cm ⁴	Navarra





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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