

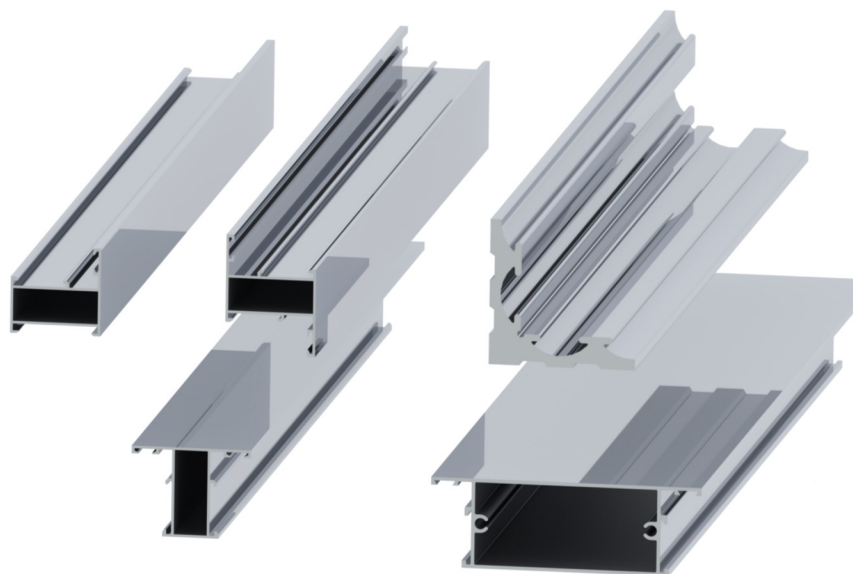
PERFIS DE CAIXILHARIA TRADICIONAL "4020"

LD

ISO 9001
ISO 14001



JULHO 2020



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Indice

1.1 LISTAGEM

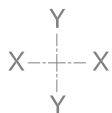
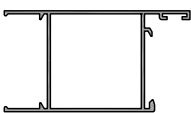

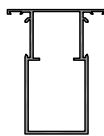
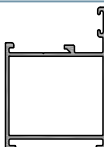
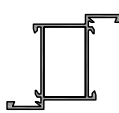
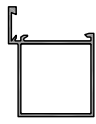

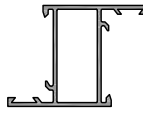
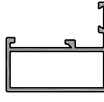

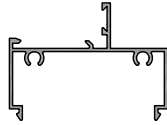
1.2 PERFIS 1:1

2.1 LISTAGEM DE BITES

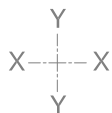
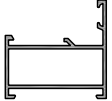
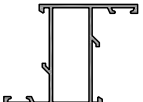
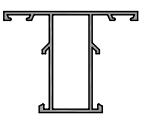
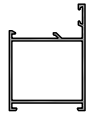
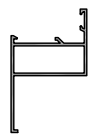
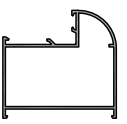
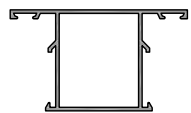
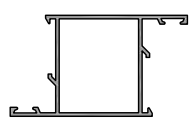
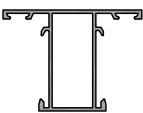
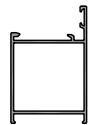
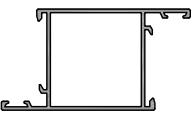
2.2 PERFIS 1:1 BITES

1.1- LISTAGEM

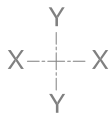
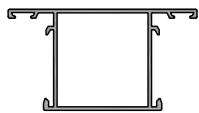
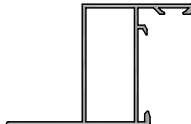
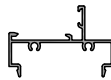
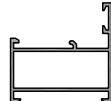
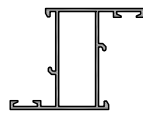
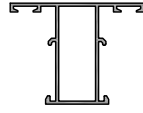
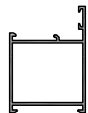
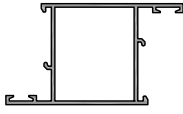
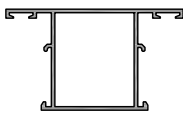
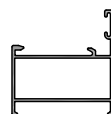
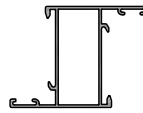
Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Momento	
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia Ix (cm ⁴) Iy (cm ⁴)
E334798 Navarra		Moldura de janela	0,745	30,8 45,5	7,98 11,71
E551993 Navarra		Travessa de porta	1,480	36,1 66,4	15,19 82,78
E551278 Navarra		Travessa de reforço reta	2,020	41,2 71,2	93,20 36,14
E553768 Navarra		Folha de janela	0,729	24,3 38,0	7,30 6,84
E555406 Navarra		Moldura de porta curva	0,842	28,2 40,0	7,08 10,27
E555429 Navarra		Moldura de janela	0,794	26,8 38,6	9,50 8,49
E555562 Navarra		Folha de janela	0,637	20,8 31,4	2,72 5,59
E555663 Navarra		Moldura de porta	0,731	25,5 36,1	6,78 4,27
E556848 Navarra		Moldura de janela	0,586	18,0 28,3	2,01 4,68
E700665 Navarra		Folha de janela	0,772	37,6 37,6	1,37 27,14
2053766 Navarra		Moldura de janela	0,660	35,4 35,4	2,59 12,63

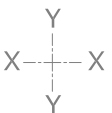
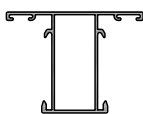
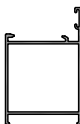
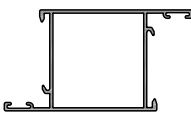
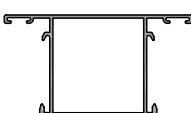
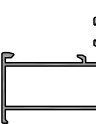
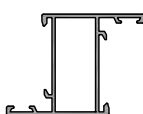
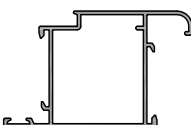
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Perfil	Secção 	Descrição	Peso Kg./m	Momento	
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia Ix (cm ⁴) Iy (cm ⁴)
M-1000 La Roca		Moldura de porta	0,550	20,8 31,0	2,09 4,70
M-1001 La Roca		Folha de porta	0,634	25,0 35,0	5,66 3,36
M-1003 La Roca		Moldura de janela	0,634	25,0 35,0	5,28 3,36
M-1009 La Roca		Folha de janela	0,714	24,0 37,6	7,10 6,73
M-1136 La Roca		Travessa de janela	0,658	24,6 34,9	5,14 6,04
M-1193 La Roca		Moldura de porta	0,910	26,9 47,5	10,78 16,01
M-1462 La Roca		Moldura de porta curva	0,789	28,5 42,0	7,30 9,62
M-1620 La Roca		Moldura de janela alta	0,789	28,4 42,0	7,65 9,62
M-1694 La Roca		Travessa de porta	0,655	25,9 36,5	5,75 3,92
M-2194 La Roca		Travessa de janela	0,752	24,9 39,0	9,05 7,33
M-2195 La Roca		Folha de janela	0,843	29,7 44,0	8,45 12,26

Listagem

Perfil	Secção 	Descrição	Peso Kg./m	Momento	
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia I _x (cm ⁴) I _y (cm ⁴)
M-2196 La Roca		Moldura de porta	0,843	29,7 44,0	8,15 12,26
M-3143 La Roca		Folha de porta	0,568	23,3 34,0	8,15 12,26
M-3185 La Roca		Travessa de porta	0,551	30,0 30,0	1,20 7,27
M-3653 La Roca		Moldura de janela tapa juntas 25 mm.	0,515	21,0 31,4	1,98 4,43
M-3654 La Roca		Moldura para fixar	0,590	25,3 35,7	5,37 3,20
M-3655 La Roca		Moldura para janela	0,590	25,3 35,7	4,99 3,20
M-3656 La Roca		Folha para janela	0,713	24,2 37,9	7,15 6,77
M-3657 La Roca		Travessa de janela	0,795	28,6 42,0	7,78 9,79
M-3658 La Roca		Moldura de porta	0,795	28,6 42,0	7,44 9,79
M-4131 La Roca		Folha de porta	0,466	21,0 31,6	1,96 4,16
M-4132 La Roca		Travessa de porta	0,540	25,5 36,1	5,09 3,12

Listagem

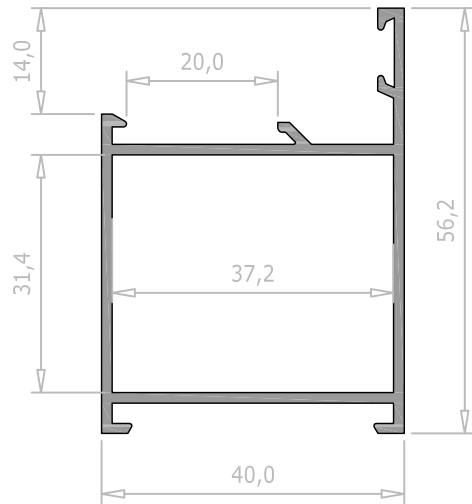
Perfil	Secção 	Descrição	Peso Kg./m	Momento	
				Superfície Exterior (dm ² /m) Total (dm ² /m)	Inercia Ix (cm ⁴) Iy (cm ⁴)
M-4133 La Roca		Moldura de janela	0,540	25,5 36,1	4,82 3,14
M-4134 La Roca		Folha de janela	0,669	24,9 39,4	8,01 6,60
M-4135 La Roca		Travessa de janela	0,744	29,5 44,0	7,52 10,62
M-4136 La Roca		Moldura de porta	0,744	29,5 44,0	7,29 10,62
M-4254 La Roca		Folha de porta	0,566	21,1 31,7	2,42 4,92
M-4255 La Roca		Travessa de porta	0,655	25,7 36,4	6,09 3,85
M-5153 La Roca		Folha de porta maiorquina	0,908	31,3 47,7	11,06 13,29

1.2- PERFIS 1:1

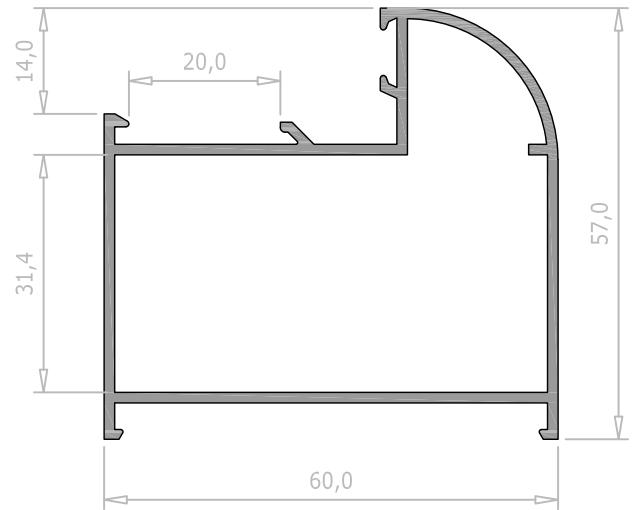
M-3653	Espes.	Sup. Ext.	Sup. Total	Peso	E556848	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de janela	1,2 mm	21,0 dm ² /m	31,4 dm ² /m	0,515 Kg/m	Moldura de janela	1,5 mm	18,0 dm ² /m	28,3 dm ² /m	0,586 Kg/m
LAR					NAV				
M-1000	Espes.	Sup. Ext.	Sup. Total	Peso	M-1136	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de janela	1,3 mm	20,8 dm ² /m	31,0 dm ² /m	0,550 Kg/m	Mol. jan. tapa junt. 30mm	1,4 mm	24,6 dm ² /m	34,9 dm ² /m	0,658 Kg/m
LAR					LAR				
E553768	Espes.	Sup. Ext.	Sup. Total	Peso	M-3656	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de porta	1,4 mm	24,3 dm ² /m	38,0 dm ² /m	0,729 Kg/m	Moldura de porta	1,4 mm	24,2 dm ² /m	37,9 dm ² /m	0,713 Kg/m
NAV					LAR				

M-1009	Espes.	Sup. Ext.	Sup. Total	Peso	M-1193	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de porta	1,4 mm	24,0 dm ² /m	37,6 dm ² /m	0,714 Kg/m	Moldura de porta curva	1,4 mm	26,9 dm ² /m	47,9 dm ² /m	0,910 Kg/m

LAR



LAR



M-3654	Espes.	Sup. Ext.	Sup. Total	Peso
Folha de janela	1,2 mm	25,3 dm ² /m	35,7 dm ² /m	0,590 Kg/m
LAR				

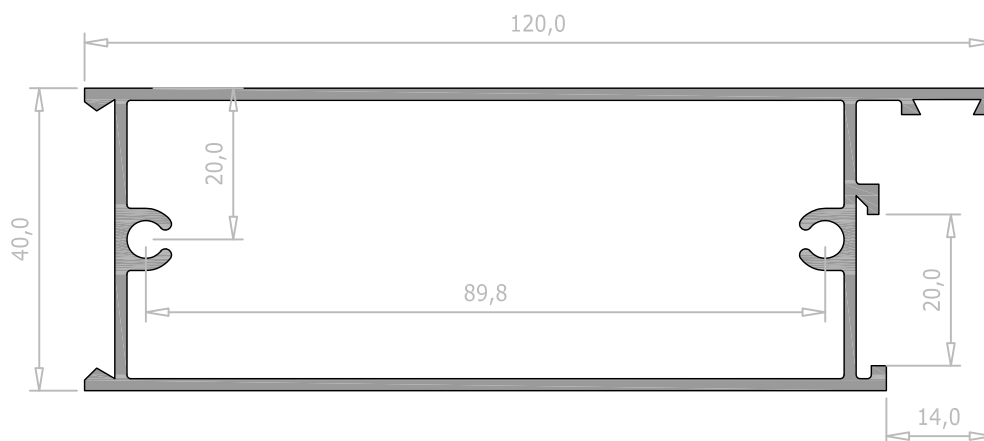
E553766	Espes.	Sup. Ext.	Sup. Total	Peso
Folha de janela	1,3 mm	25,5 dm ² /m	35,2 dm ² /m	0,640 Kg/m
NAV				

M-1001	Espes.	Sup. Ext.	Sup. Total	Peso
Folha de janela	1,3 mm	24,9 dm ² /m	35,2 dm ² /m	0,634 Kg/m
LAR				

M-3657	Espes.	Sup. Ext.	Sup. Total	Peso
Folha de porta	1,4 mm	28,6 dm ² /m	42,3 dm ² /m	0,795 Kg/m
LAR				

M-1620	Espes.	Sup. Ext.	Sup. Total	Peso
Folha de porta	1,4 mm	28,4 dm ² /m	42,0 dm ² /m	0,789 Kg/m
LAR				
<p>extruded by</p>				

M-3655	Espes.	Sup. Ext.	Sup. Total	Peso	M-1003	Espes.	Sup. Ext.	Sup. Total	Peso
	1,2 mm	25,3 dm ² /m	35,7 dm ² /m	0,590 Kg/m		1,3 mm	24,9 dm ² /m	35,3 dm ² /m	0,634 Kg/m
LAR					LAR				
M-3658	Espes.	Sup. Ext.	Sup. Total	Peso	M-1462	Espes.	Sup. Ext.	Sup. Total	Peso
	1,4 mm	28,6 dm ² /m	42,3 dm ² /m	0,795 Kg/m		1,4 mm	28,3 dm ² /m	42,0 dm ² /m	0,789 Kg/m
LAR					LAR				
E551993	Espes.	Sup. Ext.	Sup. Total	Peso	NAV				
	1,5 mm	36,1 dm ² /m	66,4 dm ² /m	1,480 Kg/m					



M-4254	Espes.	Sup. Ext.	Sup. Total	Peso	M-4131	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de janela	1,3 mm	21,1 dm ² /m	31,7 dm ² /m	0,566 Kg/m	Moldura de janela	1,05 mm	21,0 dm ² /m	31,6 dm ² /m	0,466 Kg/m
LAR					LAR				

E555562	Espes.	Sup. Ext.	Sup. Total	Peso	M-3143	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de janela	1,5 mm	20,8 dm ² /m	31,4 dm ² /m	0,637 Kg/m	Mol. jan. tapa junt. 25mm	1,2 mm	23,3 dm ² /m	34,0 dm ² /m	0,568 Kg/m
NAV					LAR				

M-4134	Espes.	Sup. Ext.	Sup. Total	Peso	M-2194	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de porta	1,25 mm	24,8 dm ² /m	39,4 dm ² /m	0,669 Kg/m	Moldura de porta	1,4 mm	24,9 dm ² /m	39,5 dm ² /m	0,752 Kg/m
LAR					LAR				

M-4255	Espes.	Sup. Ext.	Sup. Total	Peso	M-4132	Espes.	Sup. Ext.	Sup. Total	Peso
Folha de janela	1,3 mm	25,7 dm ² /m	36,4 dm ² /m	0,655 Kg/m	Folha de janela	1,05 mm	25,5 dm ² /m	36,1 dm ² /m	0,540 Kg/m
LAR					LAR				
M-4135	Espes.	Sup. Ext.	Sup. Total	Peso	M-2195	Espes.	Sup. Ext.	Sup. Total	Peso
Folha de porta	1,25 mm	29,5 dm ² /m	44,0 dm ² /m	0,744 Kg/m	Folha de porta	1,4 mm	29,6 dm ² /m	44,2 dm ² /m	0,843 Kg/m
LAR					LAR				
E334798	Espes.	Sup. Ext.	Sup. Total	Peso	M-5153	Espes.	Sup. Ext.	Sup. Total	Peso
Folha porta maiorquina	1,25 mm	30,8 dm ² /m	45,5 dm ² /m	0,745 Kg/m	Folha de porta curva	1,4 mm	31,3 dm ² /m	47,7 dm ² /m	0,908 Kg/m
NAV					LAR				

M-1694	Espes.	Sup. Ext.	Sup. Total	Peso	M-4133	Espes.	Sup. Ext.	Sup. Total	Peso
Travessa de janela	1,3 mm	25,9 dm ² /m	36,5 dm ² /m	0,655 Kg/m	Travessa de janela	1,05 mm	25,5 dm ² /m	36,1 dm ² /m	0,540 Kg/m
LAR					LAR				

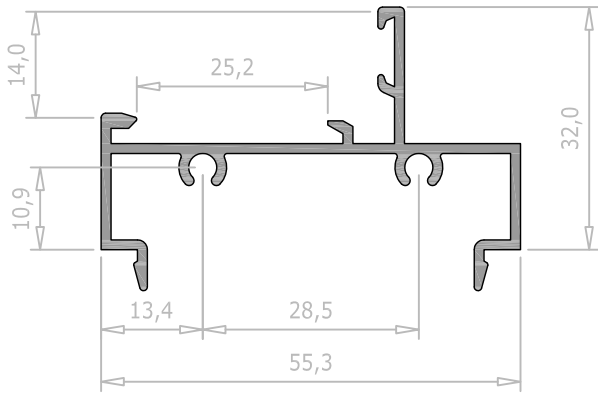
M-4136	Espes.	Sup. Ext.	Sup. Total	Peso	M-2196	Espes.	Sup. Ext.	Sup. Total	Peso
Travessa de porta	1,25 mm	29,5 dm ² /m	44,0 dm ² /m	0,744 Kg/m	Travessa de porta	1,4 mm	29,7 dm ² /m	44,0 dm ² /m	0,843 Kg/m
LAR					LAR				

E555429	Espes.	Sup. Ext.	Sup. Total	Peso	E555406	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de porta	1,5 mm	26,8 dm ² /m	38,6 dm ² /m	0,794 Kg/m	Folha de janela	1,5 mm	28,2 dm ² /m	40,0 dm ² /m	0,842 Kg/m
NAV					NAV				

M-3185	Espes.	Sup. Ext.	Sup. Total	Peso	E551278	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura de fixar	1,3 mm	30,0 dm ² /m	30,0 dm ² /m	0,551 Kg/m	Travessa de reforço reta	2,5 mm	41,2 dm ² /m	71,2 dm ² /m	2,020 Kg/m

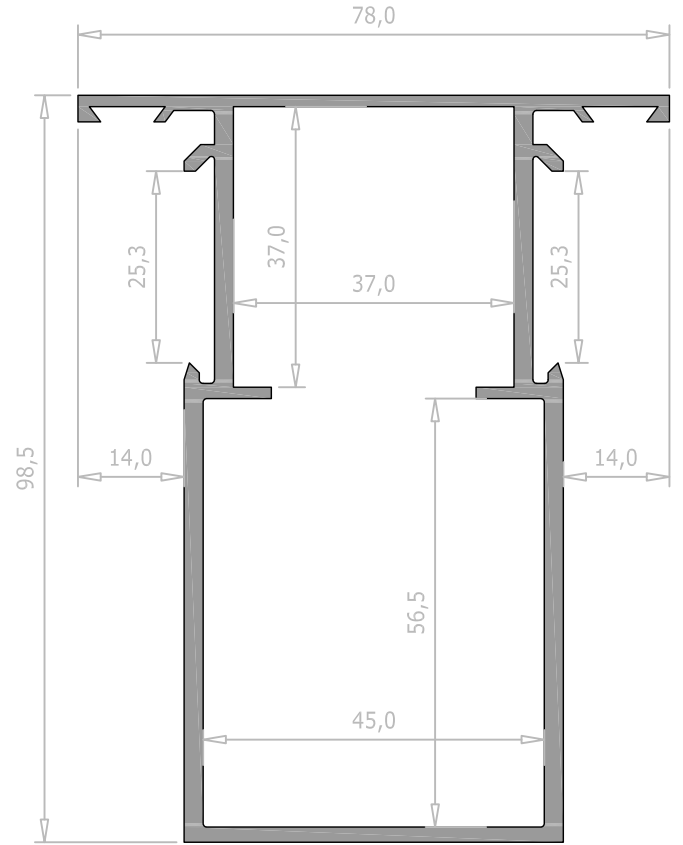
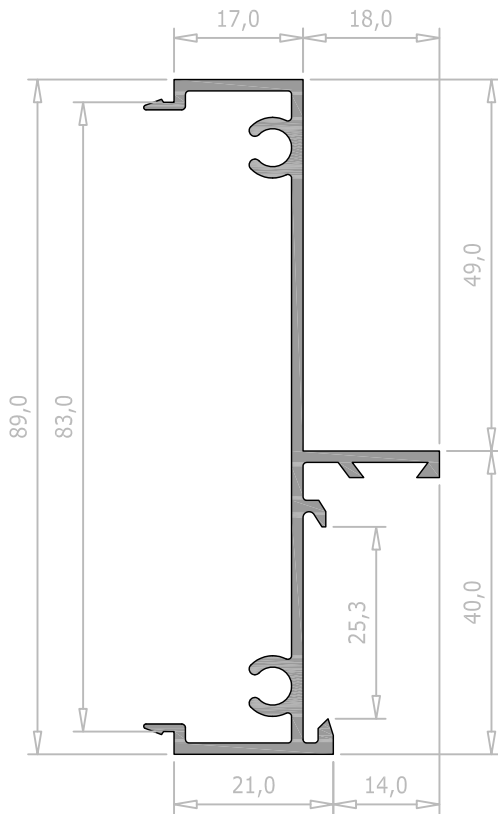
LAR

NAV



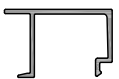







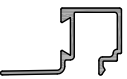
E700665	Espes.	Sup. Ext.	Sup. Total	Peso
Moldura	1,5 mm	37,6 dm ² /m	37,6 dm ² /m	0,772 Kg/m

NAV



2.1- LISTAGEM DE BITES

Listagem

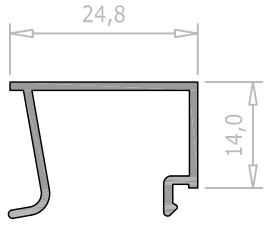
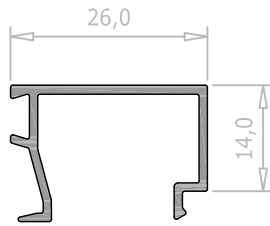
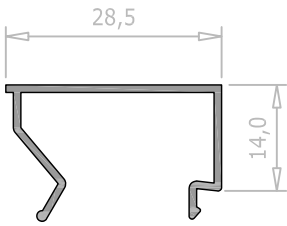
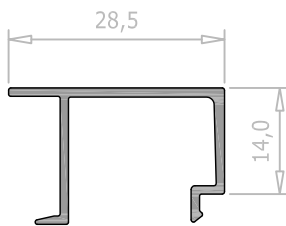
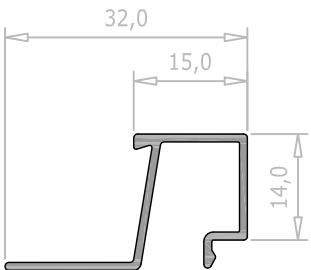
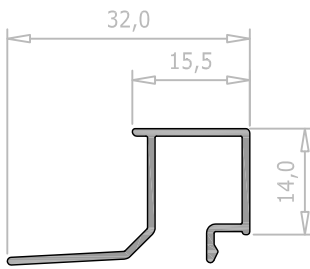
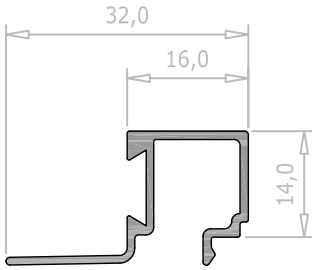
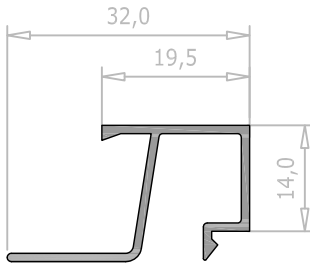

Perfil	Secção	Descrição	Peso Kg./m	Superfície		Tipo camara
				Exterior (dm ² /m)	Total (dm ² /m)	
BP-11 Avintes		Bite reto 28,5 mm.	0,212	13,6	13,6	Camara T20
BP-40 Avintes		Bite reto 26 mm.	0,211	14,0	14,0	Camara T20
BP-60 Avintes		Bite reto 14,5 mm.	0,194	13,0	13,0	Camara T20
BP-71 Avintes		Bite reto 11 mm.	0,192	12,6	12,6	Camara T20
E334138 Navarra		Bite reto 15,5 mm.	0,189	13,9	13,9	Camara T25
E900258 Navarra		Bite reto 19,5 mm.	0,224	15,1	15,1	Camara T25
E900907 Navarra		Bite reto 14,5 mm.	0,170	12,8	12,8	Camara T20
E900908 Navarra		Bite reto 19,5 mm.	0,170	12,8	12,8	Camara T20
E-9688 La Roca		Bite reto 27 mm.	0,228	14,6	14,6	Camara T25
E-9690 La Roca		Bite reto 16 mm.	0,224	14,5	14,5	Camara T25
E-9691 La Roca		Bite reto 27 mm.	0,212	14,5	14,5	Camara T25

Listagem

Perfil	Secção	Descrição	Peso Kg./m	Superfície		Tipo camara
				Exterior (dm ² /m)	Total (dm ² /m)	
E-16080 La Roca		Bite reto 15 mm.	0,203	14,0	14,0	Camara T25
M-1347 La Roca		Bite reto 10 mm.	0,185	12,0	12,0	Camara T20
M-1686 La Roca		Bite reto 28,5 mm.	0,186	13,8	13,8	Camara T20
M-3659 La Roca		Bite reto 19,5 mm.	0,171	12,8	12,8	Camara T20
M-3660 La Roca		Bite reto 14,5 mm.	0,171	12,8	12,8	Camara T20
M-4139 La Roca		Bite reto 20,5 mm.	0,191	14,0	14,0	Camara T25
M-4140 La Roca		Bite reto 27 mm.	0,192	14,1	14,1	Camara T25
M-4611 La Roca		Bite reto 18,5 mm.	0,169	12,4	12,4	Camara T20
M-4700 La Roca		Bite reto 24,8 mm.	0,185	13,1	13,1	Camara T20

2.2- PERFIS 1:1 BITES

M-1347					BP-71				
Espes.	Sup. Ext.	Sup. Total	Peso		Espes.	Sup. Ext.	Sup. Total	Peso	
Bite reto 10 mm.	1,1 mm	12,0 dm ² /m	12,0 dm ² /m	0,185 Kg/m	Bite reto 11 mm.	1,1 mm	12,6 dm ² /m	12,6 dm ² /m	0,192 Kg/m
LAR				Camara T20	AVI				Camara T20
BP-60					E900907				
Espes.	Sup. Ext.	Sup. Total	Peso		Espes.	Sup. Ext.	Sup. Total	Peso	
Bite reto 14,5 mm.	1,0 mm	13,0 dm ² /m	13,0 dm ² /m	0,194 Kg/m	Bite reto 14,5 mm.	1,0 mm	12,8 dm ² /m	12,8 dm ² /m	0,170 Kg/m
AVI				Camara T20	NAV				Camara T20
M-3660					M-4611				
Espes.	Sup. Ext.	Sup. Total	Peso		Espes.	Sup. Ext.	Sup. Total	Peso	
Bite reto 14,5 mm.	1,0 mm	12,8 dm ² /m	12,8 dm ² /m	0,171 Kg/m	Bite reto 18,5 mm.	1,0 mm	12,4 dm ² /m	12,4 dm ² /m	0,169 Kg/m
LAR				Camara T20	LAR				Camara T20
M-3659					E900908				
Espes.	Sup. Ext.	Sup. Total	Peso		Espes.	Sup. Ext.	Sup. Total	Peso	
Bite reto 19,5 mm.	1,0 mm	12,8 dm ² /m	12,8 dm ² /m	0,171 Kg/m	Bite reto 19,5 mm.	1,0 mm	12,8 dm ² /m	12,8 dm ² /m	0,170 Kg/m
LAR				Camara T20	NAV				Camara T20

M-4700					BP-40				
Espes.	Sup. Ext.	Sup. Total	Peso	Espes.	Sup. Ext.	Sup. Total	Peso		
Bite reto 24,8 mm.	1,1 mm	13,1 dm ² /m	13,1 dm ² /m	0,185 Kg/m	Bite reto 26 mm.	1,1 mm	14,0 dm ² /m	14,0 dm ² /m	0,211 Kg/m
LAR	Camara T20			AVI	Camara T20				
									
M-1686					BP-11				
Espes.	Sup. Ext.	Sup. Total	Peso	Espes.	Sup. Ext.	Sup. Total	Peso		
Bite reto 28,5 mm.	1,0 mm	13,8 dm ² /m	13,8 dm ² /m	0,186 Kg/m	Bite reto 28,5 mm.	1,1 mm	13,6 dm ² /m	13,6 dm ² /m	0,212 Kg/m
LAR	Camara T20			AVI	Camara T20				
									
E-16080					E334138				
Espes.	Sup. Ext.	Sup. Total	Peso	Espes.	Sup. Ext.	Sup. Total	Peso		
Bite reto 15 mm.	1,0 mm	14,0 dm ² /m	14,0 dm ² /m	0,203 Kg/m	Bite reto 15,5 mm.	1,0 mm	13,9 dm ² /m	13,9 dm ² /m	0,189 Kg/m
LAR	Camara T25			NAV	Camara T25				
									
E-9690					E900258				
Espes.	Sup. Ext.	Sup. Total	Peso	Espes.	Sup. Ext.	Sup. Total	Peso		
Bite reto 16 mm.	1,1 mm	14,5 dm ² /m	14,5 dm ² /m	0,224 Kg/m	Bite reto 19,5 mm.	1,1 mm	15,1 dm ² /m	15,1 dm ² /m	0,224 Kg/m
LAR	Camara T25			NAV	Camara T25				
									
									

M-4139					E-9688				
Bite reto 20,5 mm.	Espes.	Sup. Ext.	Sup. Total	Peso	Bite reto 27 mm.	Espes.	Sup. Ext.	Sup. Total	Peso
1,0 mm	14,0 dm ² /m	14,0 dm ² /m	0,191 Kg/m	Camara T25	1,1 mm	14,6 dm ² /m	14,6 dm ² /m	0,228 Kg/m	Camara T25
E-9691					M-4140				
Bite reto 27 mm.	Espes.	Sup. Ext.	Sup. Total	Peso	Bite reto 27 mm.	Espes.	Sup. Ext.	Sup. Total	Peso
1,1 mm	14,5 dm ² /m	14,5 dm ² /m	0,212 Kg/m	Camara T25	1,0 mm	14,1 dm ² /m	14,1 dm ² /m	0,192 Kg/m	Camara T25



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