

MANUAL DE PRODUTO

STANDARD

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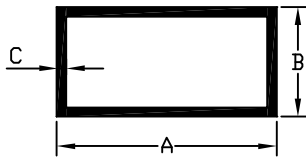
16 Sistema Balaustrada - ABA

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17 Sistema Revestimento - ALUdeck

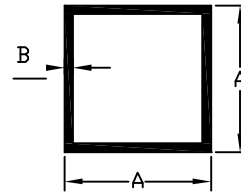
17.01 a 17.02 - ALUdeck

Retangulares / Quadrados



Tubos Retangulares

Ref.	A	B	C	TAMPA	Ref.	A	B	C	TAMPA
R.30x15	30	15	1,3	A9000-30x15	R.120x80	120	80	3,0	-
R.30x20	30	20	1,3	-	R.150x25	150	25	2,5	-
R.40x20	40	20	1,3	A9000-40x20					
R.40x25	40	25	2,0	-					
R.40x30	40	30	2,0	-					
R.50x25	50	25	2,0	-					
R.50x30	50	30	2,0	-					
R.60x20	60	20	1,4	A9000-60x20					
R.60x40	60	40	1,4	-					
R.65x30	65	30	1,4	-					
R.65x50	65	50	1,3	-					
R.70x20	70	20	1,5	A9000-70x20					
R.75x40	75	40	1,4	-					
R.80x20	80	20	1,3	-					
R.80x40	80	40	1,5	-					
R.85x30	85	30	1,85	-					
R.100x20	100	20	1,4	A9000-100x20					
R.100x40	100	40	1,5	-					
R.100x45	100	45	1,5	-					
R.120x40	120	40	1,5	-					



Tubos Quadrados

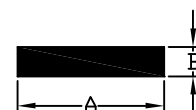
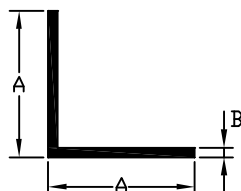
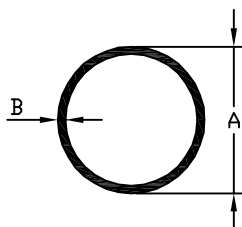
Ref.	A	B	TAMPA
Q.20	20	1,2	A9000-20x20
Q.30	30	1,3	A9000-30x30
Q.40	40	1,3	A9000-40x40
Q.50	50	2,0	-
Q.60	60	1,3	-
Q.65	65	1,3	A9000-65x65
Q.70	70	1,3	-
Q.75	75	1,4	-
Q.80	80	1,4	-
Q.100	100	1,4	-

STANDARD'S

 Retangulares / Quadrados
 Versão 01-13

Pág.1.01

Redondos / Cantoneiras / Barras

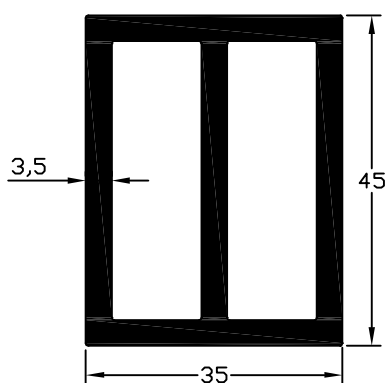


Tubos Redondos		
Ref.	A	B
O.9	9,0	2,0
O.16	16,0	1,3
O.18	18,0	1,0
O.20	20,0	1,0
O.22	22,2	1,5
O.25	25,0	1,0
O.30	30,0	2,0
O.32	32,0	1,0
O.33	33,0	1,0
O.35	35,0	1,5
O.40	40,0	3,0
O.41	41,5	1,5
O.45	45,0	2,0
O.48	48,0	3,0
O.49	49,0	2,5
O.50	50,8	0,8
O.80	80,0	5,0
O.100	100,0	10,0
O.180	180,0	2,0

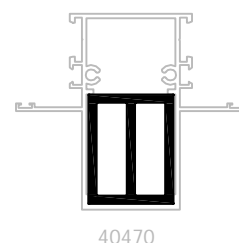
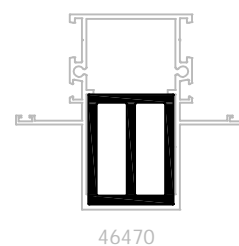
Cantoneiras		
Ref.	A	B
L.15	15	1,3
L.20	20	1,3
L.25	25	1,3
L.30	30	1,3
L.40	40	1,3
L.50	50	2,0

Barras		
Ref.	A	B
B.20.3	20	3
B.20.4	20	4
B.25.3	25	3
B.30.3	30	3
B.36.3	36	3

Perfil de Reforço



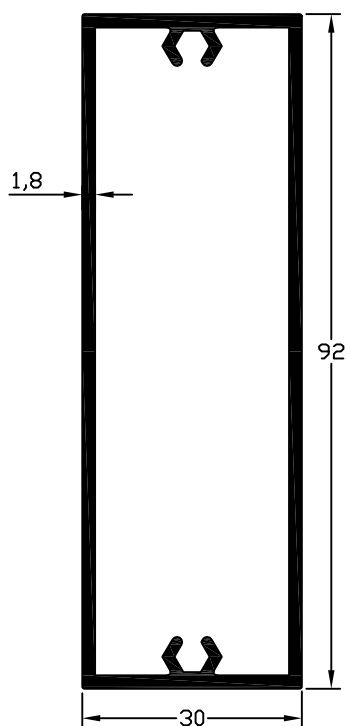
R.45x35



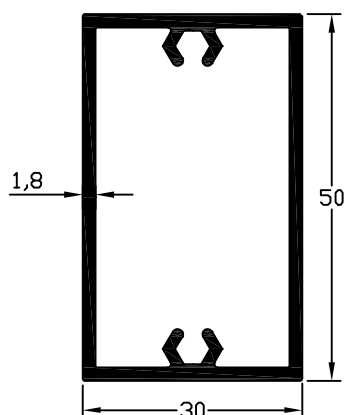
STANDARD'S

Redondos/Cantoneiras/Barras
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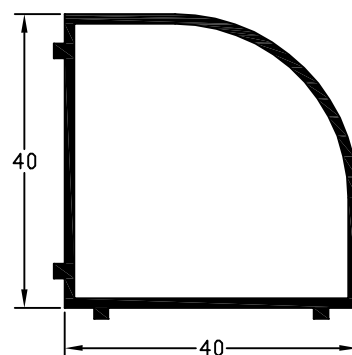
Standard's / Quadriculas



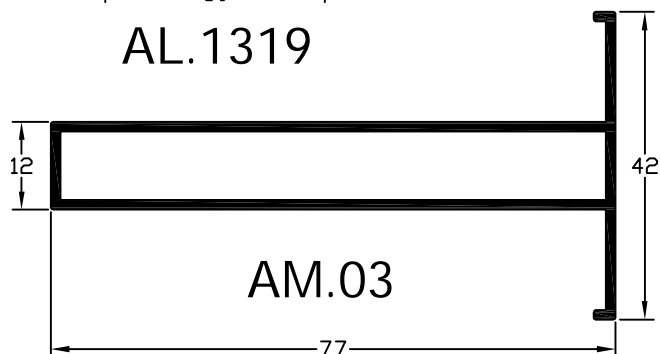
AL.1319



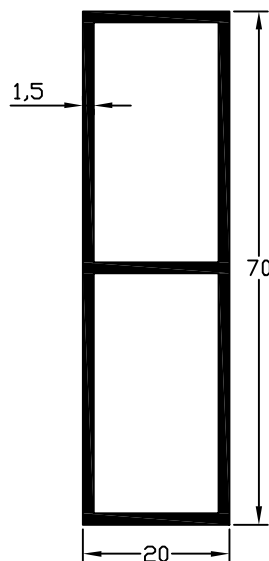
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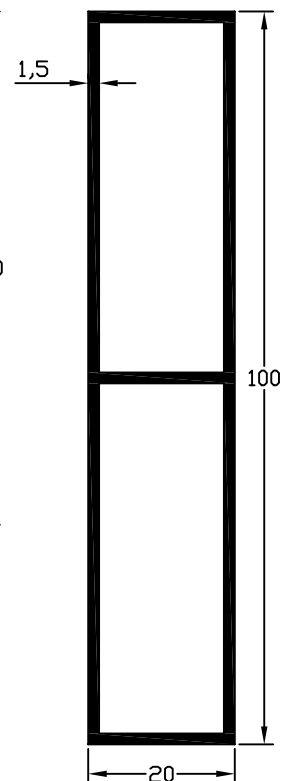
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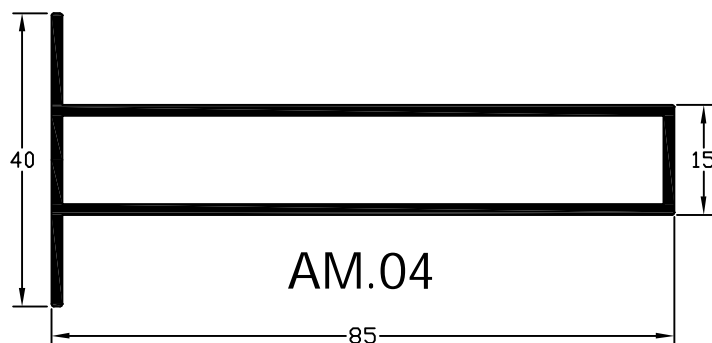
AM.03



R.7020R

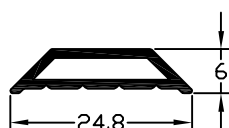


R.10020R

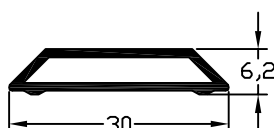


AM.04

Perfis de Quadriculas

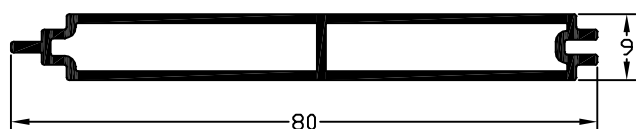


AY-11

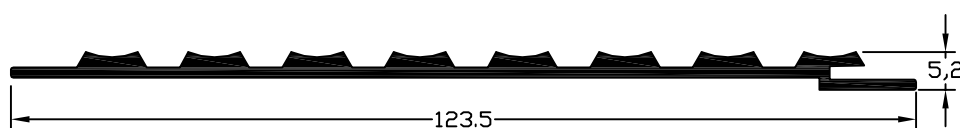


AY-12

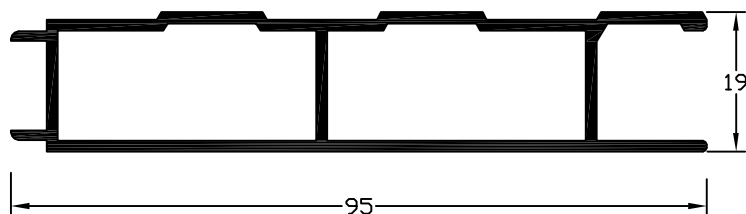
Chapas Duplas



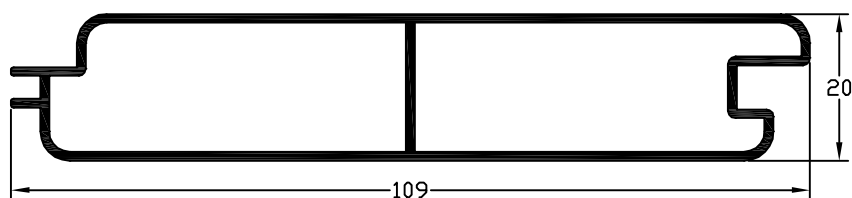
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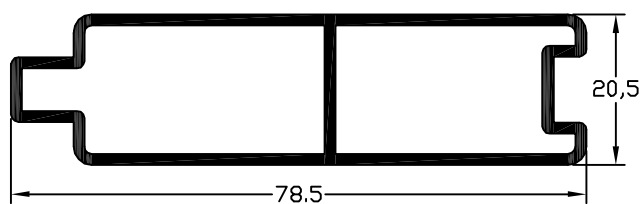
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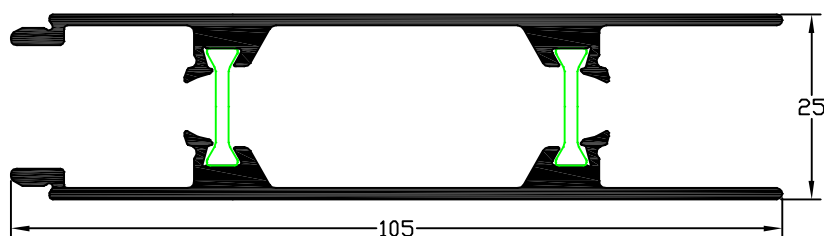
AW.21



AW.25

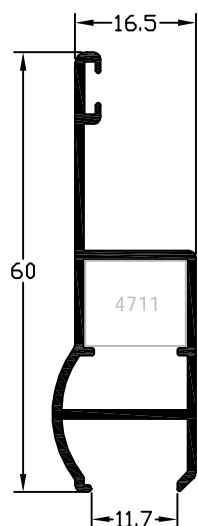


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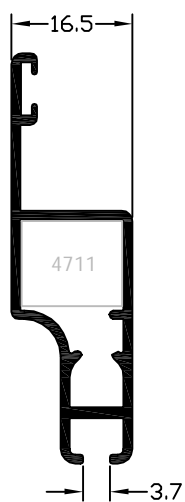


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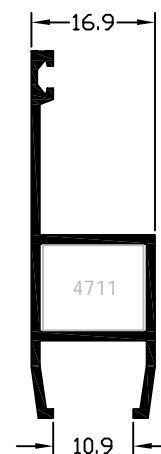
Veda-Luz



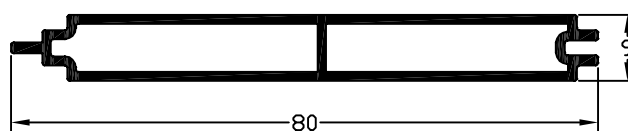
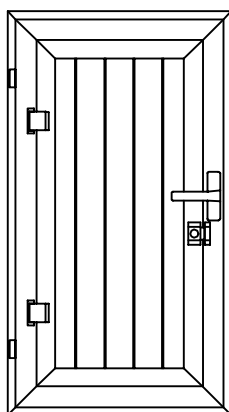
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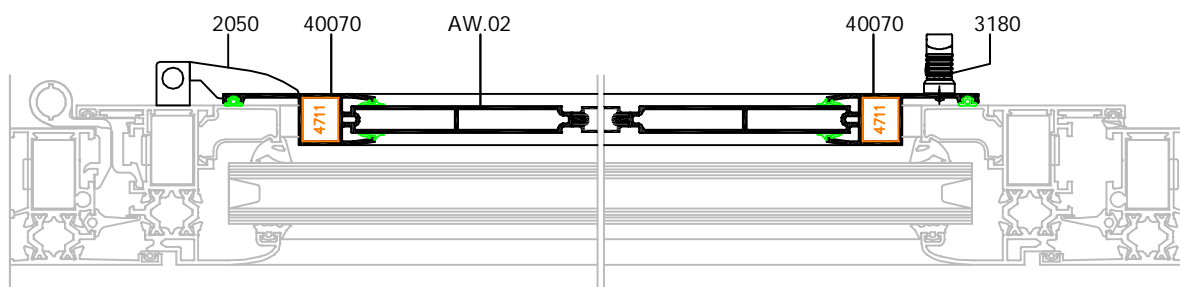
AL.1371



40070



AW.02



STANDARD'S

Veda-Luz

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Pág.4.01

Rede Mosquiteira - Vertical 40






O Sistema Vertical 40, caracteriza-se pela reduzida dimensão do perfil superior “enrolador” de 40mm de largura.

Este sistema permite montar rede mosquiteira com medida máxima com 2200mm de altura, outras medidas sob consulta.

O Sistema Vertical 40, dispõe de terminais de fecho com regulação/afinação em altura, rede em fibra de vidro, pelúcia de pêlo rígido anti-vento para vãos de sacada onde a força do vento tem mais incidência, e (a pedido do cliente) um travão visco dinâmico que evita que a rede em caso de se soltar dos terminais, vá bater com força no perfil superior e provocar a desvulcanização da rede.

(Fabrico por medida)

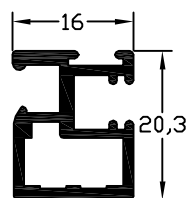
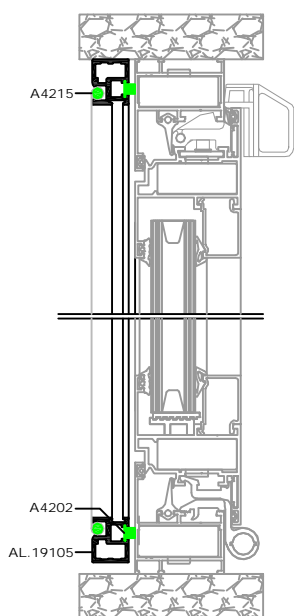
Tratamento - Todas as cores anodizadas, lacadas e imitação madeira.

	MS fx135 - Travão visco dinâmico
	MS fx129 - Pelúcia anti-vento
	MS fx142 - Terminal de 30mm com regulação

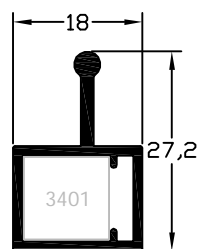
ALTURA	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40
---------------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

LARGURA	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80
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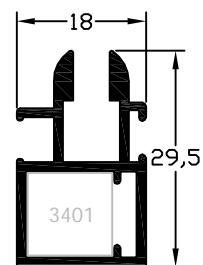
Rede Mosquiteira



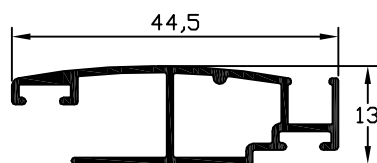
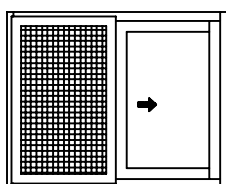
AL.19105



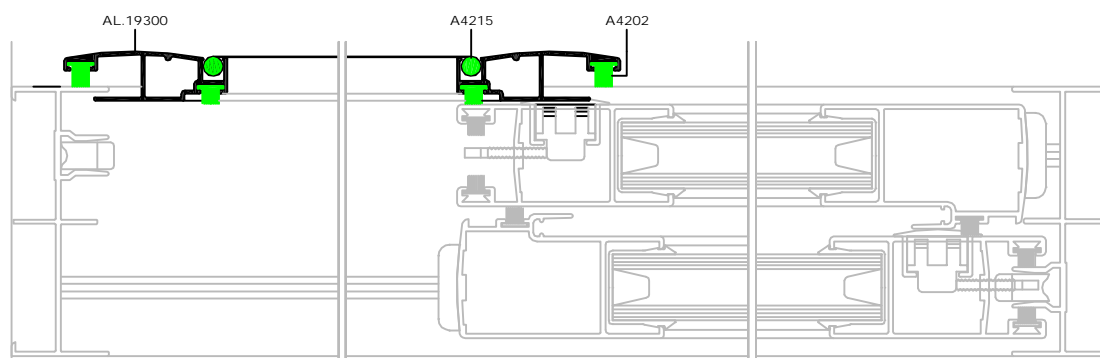
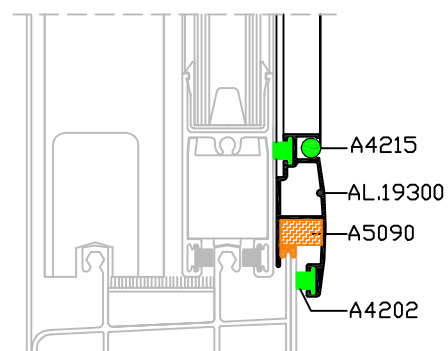
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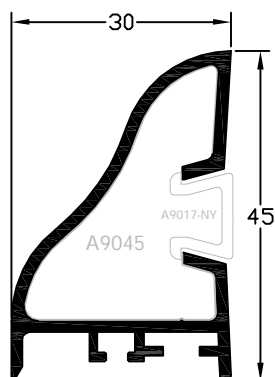
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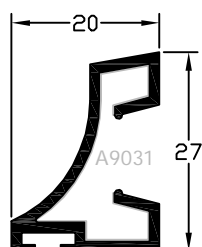
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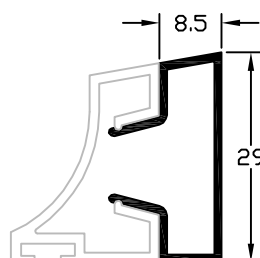
Pingadeiras



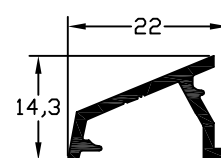
AL.12045



AL.1429



AL.1430

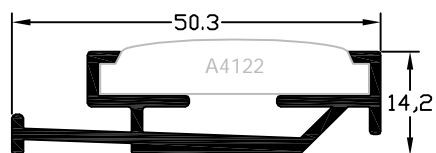


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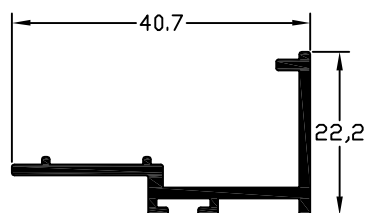
STANDARD'S

Rede Mosquiteira/Pingadeiras
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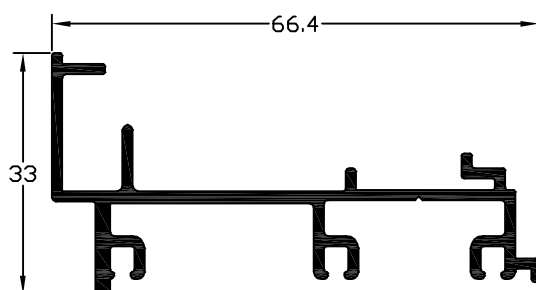
Remates de Soleiras



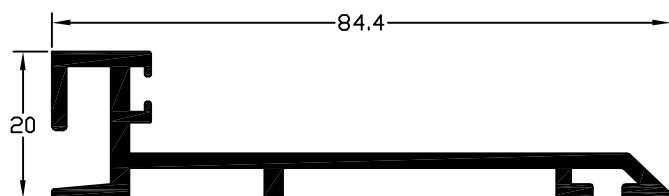
AL.2026



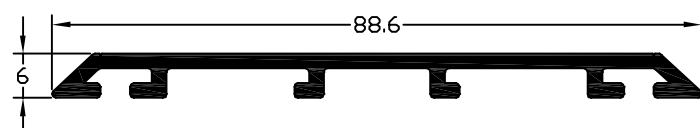
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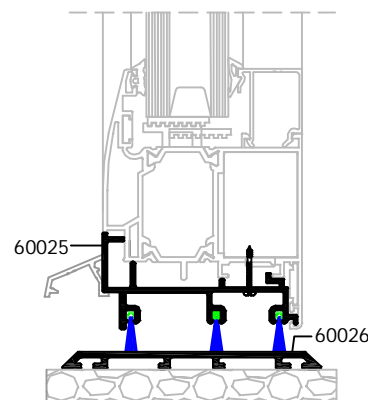
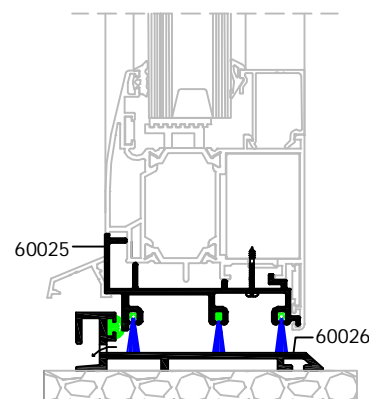
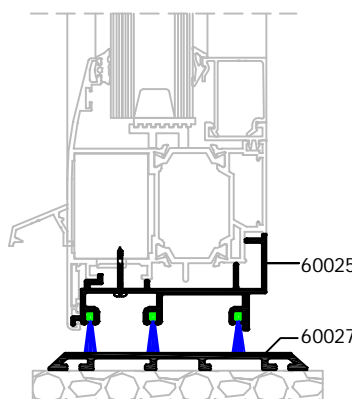
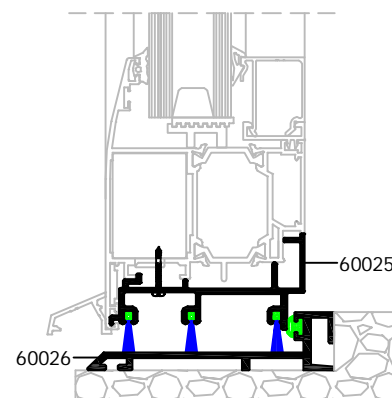
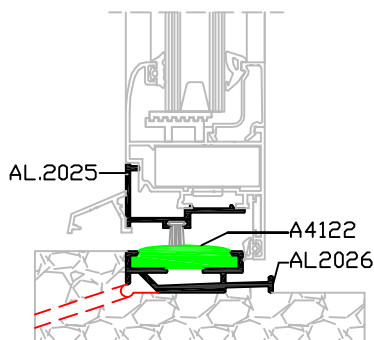
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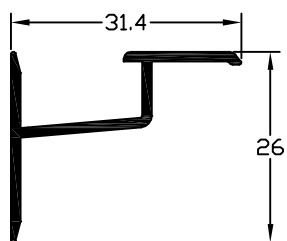


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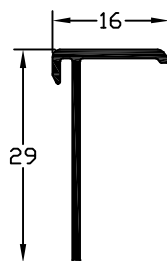


STANDARD'S

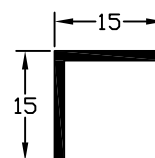
Remates de Soleira
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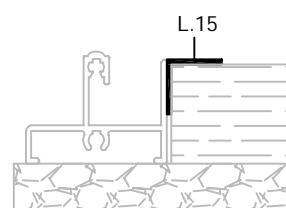
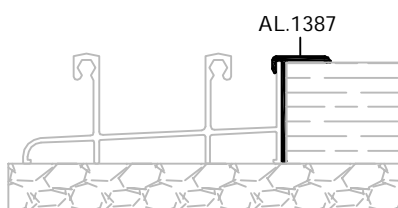
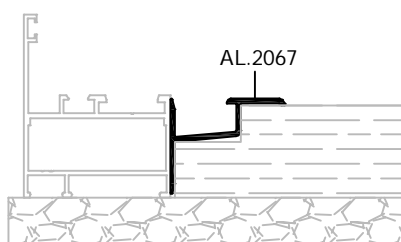
AL.2067



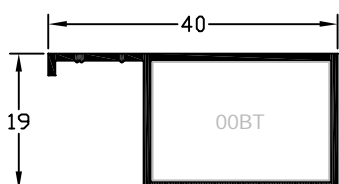
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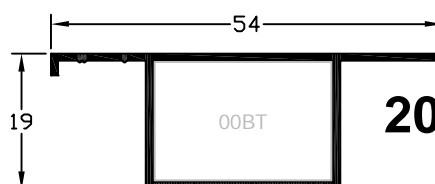
L.15



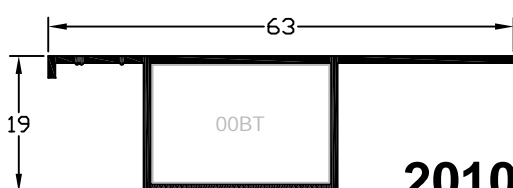
Pré-Aros



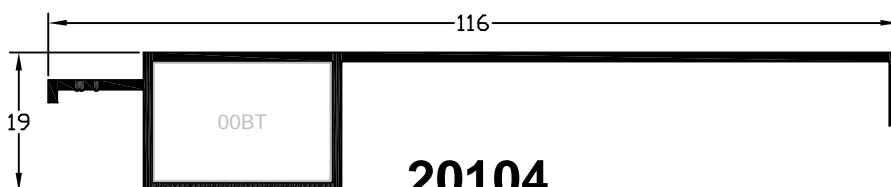
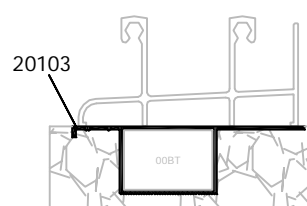
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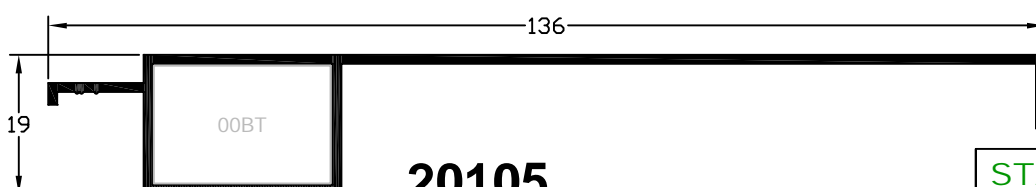
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20103



20104



20105

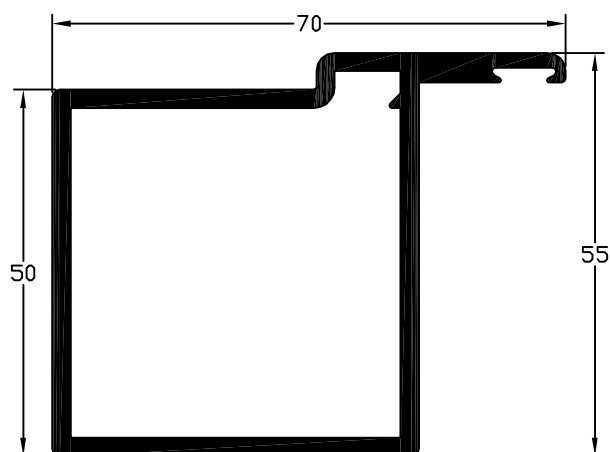
STANDARD'S

Pré-Aros
Versão 01-13

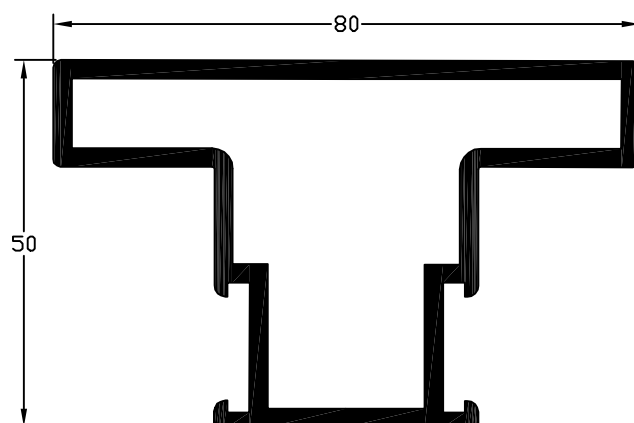
Pág.6.02

Esc. 1/1

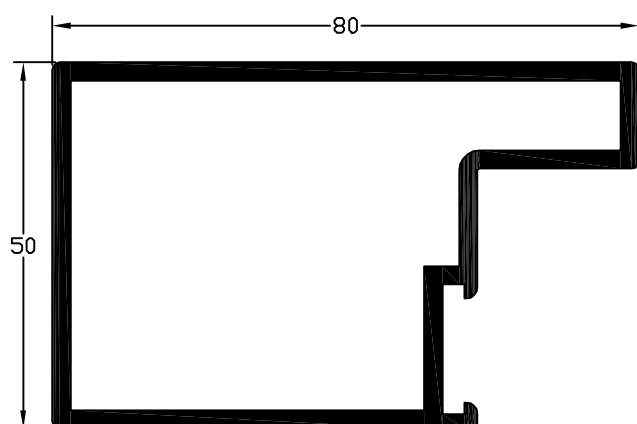
Portões



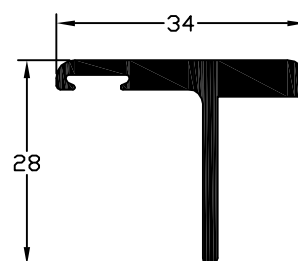
AL.1917



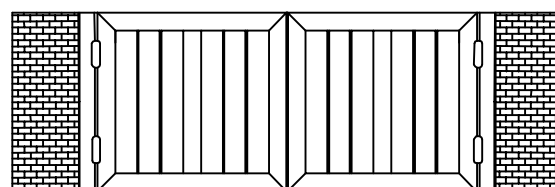
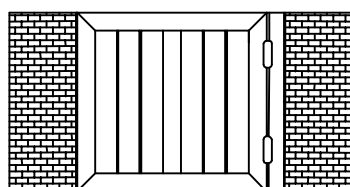
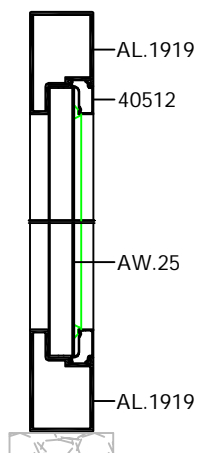
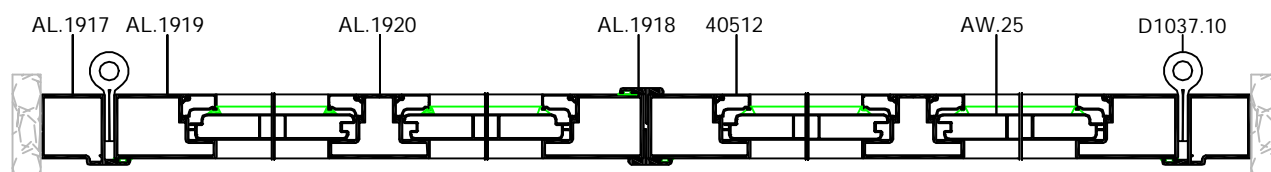
AL.1920



AL.1919



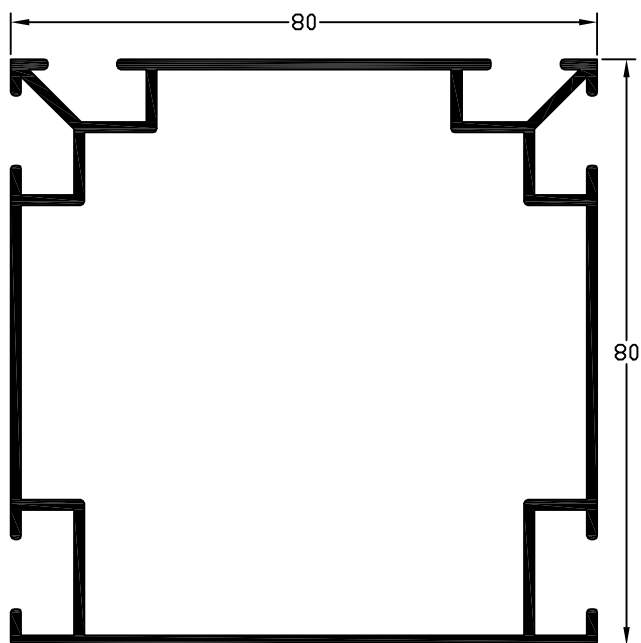
AL.1918



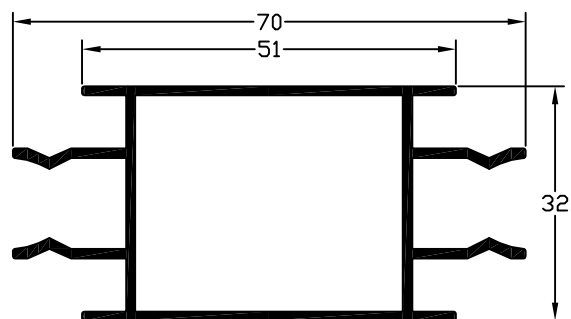
STANDARD'S

Portões
Versão 01-13 Pág.7.01

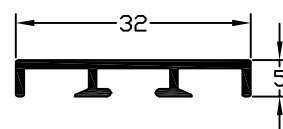
Divisórias



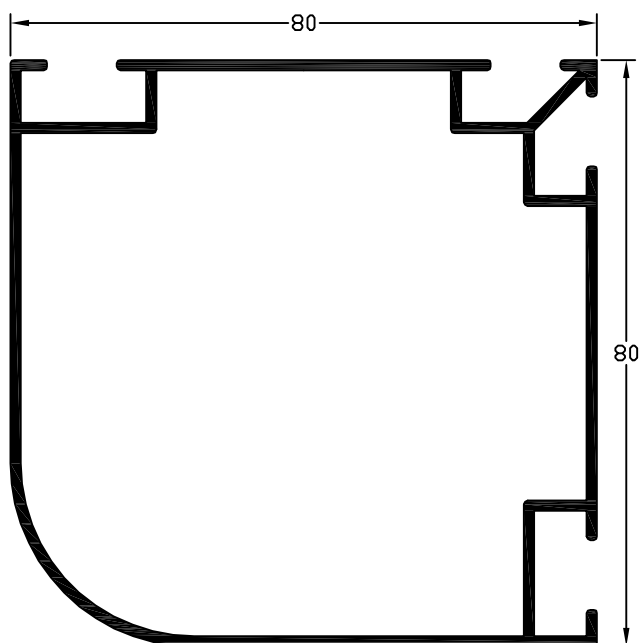
AL.1033



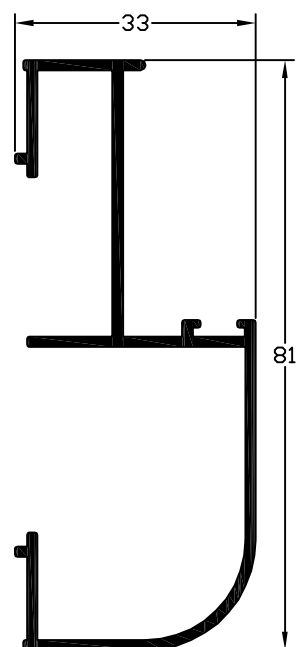
AL.1018



AL.1028



AL.1034



AL.1317

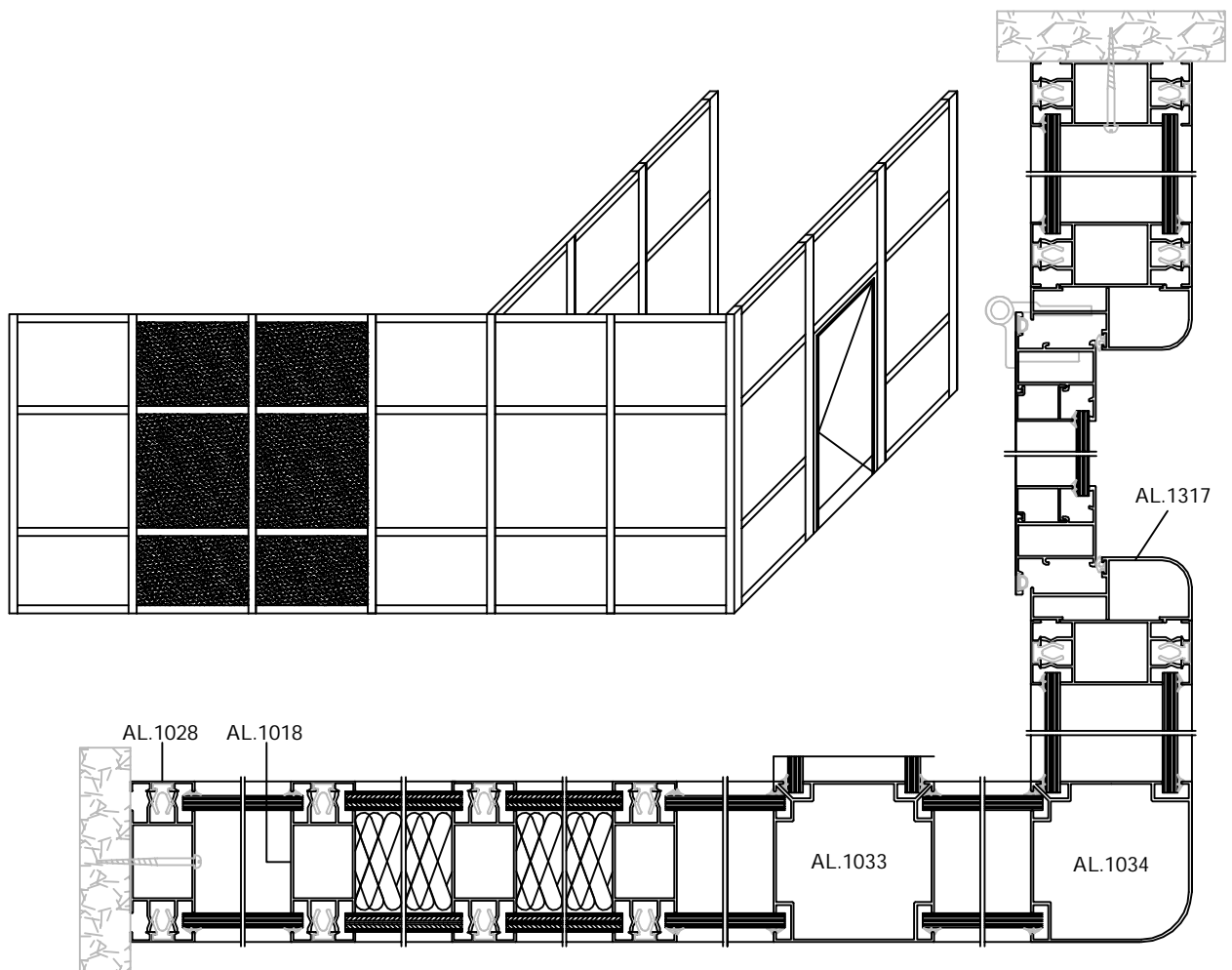
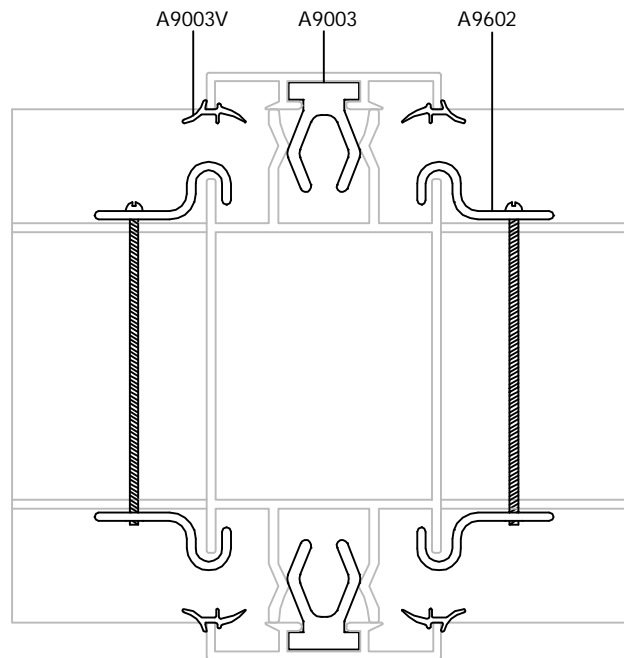
STANDARD'S

Divisórias
Versão 01-13

Pág.8.01

Esc. 1/1

8 - SISTEMA DIVISÓRIAS - ALD

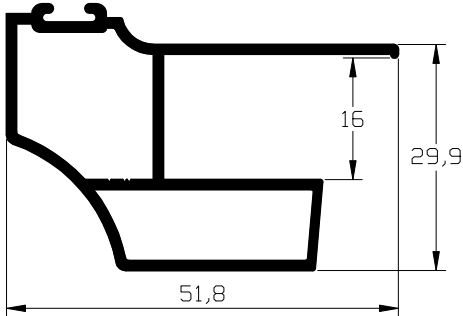


STANDARD'S

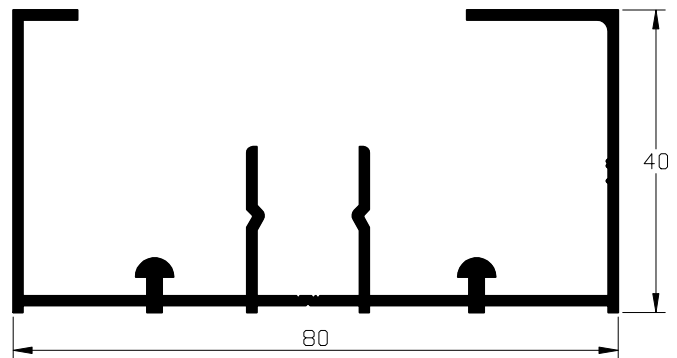
Divisórias
Versão 01-13

Pág.8.02

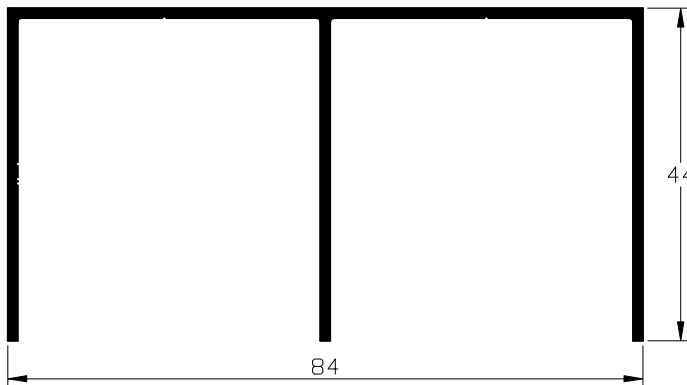
Roupeiros



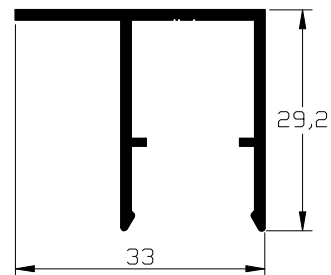
RP.71 - Aro móvel vertical



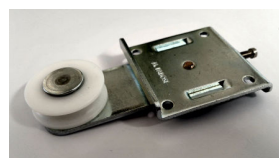
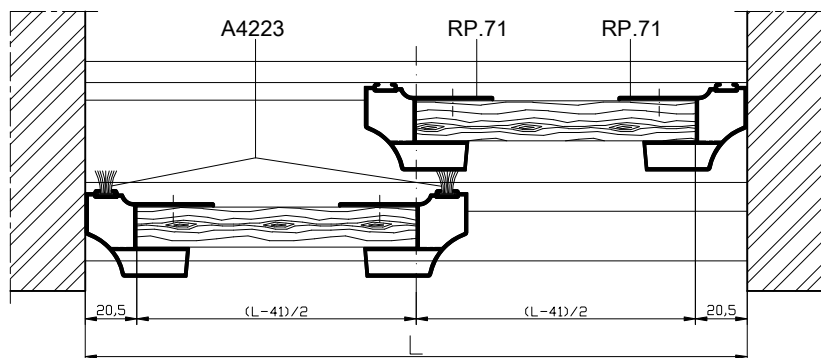
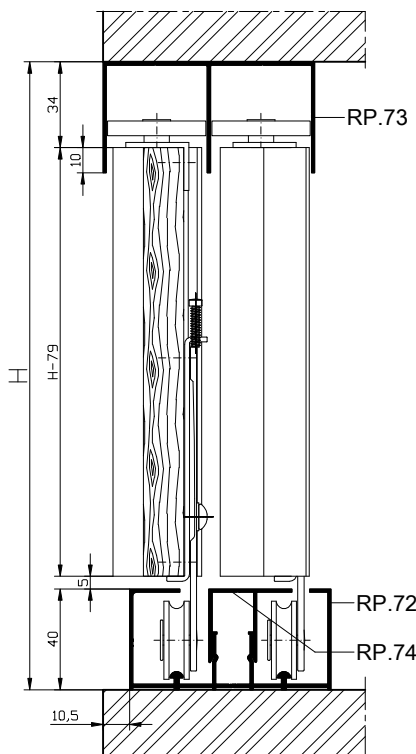
RP.72 - Soleira



RP.73 - Padieira



RP.74 - Remate Soleira



A9050 - Carro inferior



A9051 - Carro superior

- A espessura a considerar para o enchimento é de 16mm.
- Cada carro inferior tem um ajuste de 14mm na altura.
- Medidas do enchimento
Largura = $(L - 41) / \text{quantidade de folhas}$
Altura = $H - 79$

STANDARD'S

Roupeiros
Versão 05-16 Pág.9.01

Esc. 1/1 ; 1/3

Lâminas BETAS

Para se obter um bom resultado com a janela de lâminas.

 , É fundamental uma correta colocação:

1. Conhecer a altura e a largura do vão garantir, procure nas Quadros I e II, respetivamente, qual a altura da janela que deve aplicar – se ela é do tipo STANDARD ou EXTENSÍVEL – é qual a largura máxima da lâmina de vidro que pode usar, determinando assim se a instalação vai ser realizada em PAINEL SIMPLES OU MÚLTIPLO.

Conforme indicado o Quadro II, a largura da lâmina de vidro depende da espessura do vidro e da exposição aos agentes atmosféricos.

QUADRO I
ALTURA DOS VÃOS E DAS JANELAS

Altura das janelas Beta				
Tipo de janelas Beta	Altura livre para ombreiras ~mm~	Altura da janela ~mm~	Número de lâminas	Número de comandos
standard	166	165	1	1
extensível	203 - 306	305	1 + fixa	1
standard	306	305	2	1
extensível	343 - 446	445	2 + fixa	1
standard	446	445	3	1
extensível	483 - 585	584	3 + fixa	1
standard	585	584	4	1
extensível	622 - 725	724	4 + fixa	1
standard	725	724	5	1
extensível	762 - 865	864	5 + fixa	1
standard	865	864	6	2
extensível	902 - 1004	1003	6 + fixa	2
standard	1004	1003	7	2
extensível	1041 - 1144	1143	7 + fixa	2
standard	1144	1143	8	2
extensível	1181 - 1284	1283	8 + fixa	2
standard	1284	1283	9	2
extensível	1321 - 1424	1423	9 + fixa	2
standard	1424	1423	10	2
extensível	1461 - 1563	1562	10 + fixa	2
standard	1563	1562	11	2
extensível	1600 - 1703	1702	11 + fixa	2
standard	1703	1702	12	2

QUADRO II
MÁXIMA LARGURA DAS LÂMINAS

Máxima largura das lâminas			
Condições de exposição	Espessura do vidro ~mm~		
	6 mm	5 mm	4 mm
Zona bastante protegida	1070	760	610
Zona pouco protegida	1015	710	560
Zona desabrigada	915	610	510



NOTA: Além das dimensões apresentadas no quadro I, a janela BETA poderá ser feita até 3,5 mts.

Quando a altura do vão exceder a largura da lâmina recomendada, dividir-se-á o vão em painéis, formando-se um PAINEL MÚLTIPLO.

A altura das lâminas de vidro móveis é sempre de 152 mm, e nas fixas variará, mas nunca poderá ser inferior a 50 mm.

É possível, com aplicação de um suplemento de 40 mm, a redução da altura da janela, para a altura extensível imediatamente inferior.
As lâminas de vidro terão as arestas quebradas.

STANDARD'S

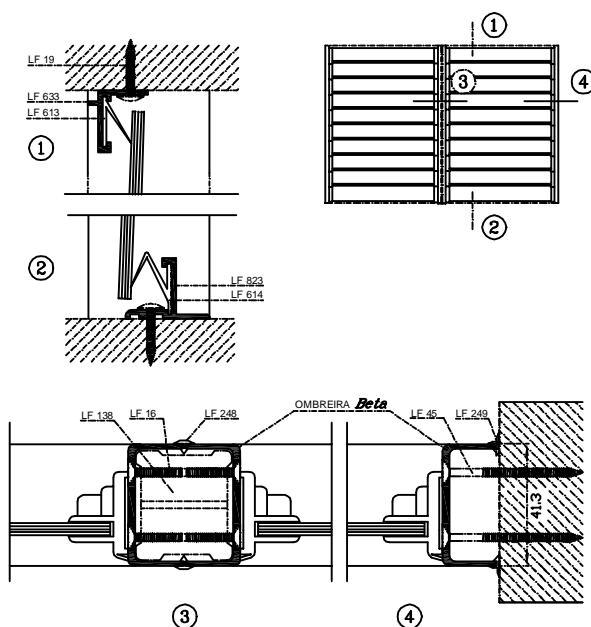
Lâminas BETAS

Versão 01-13

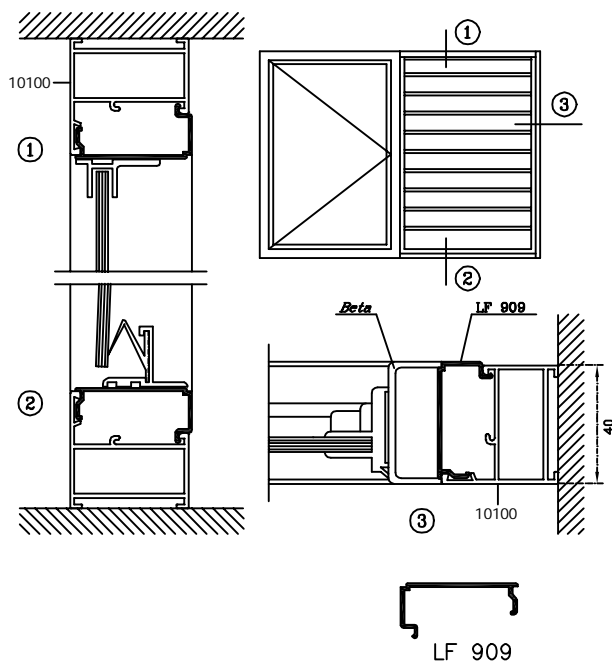
Pág.10.01

S/Esc

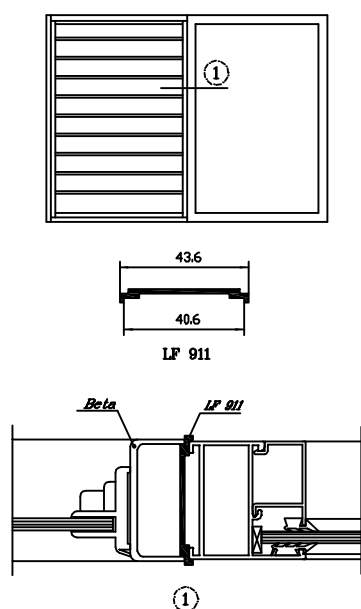
Pormenor de janelas Multiplas BETA
aplicação direta à parede



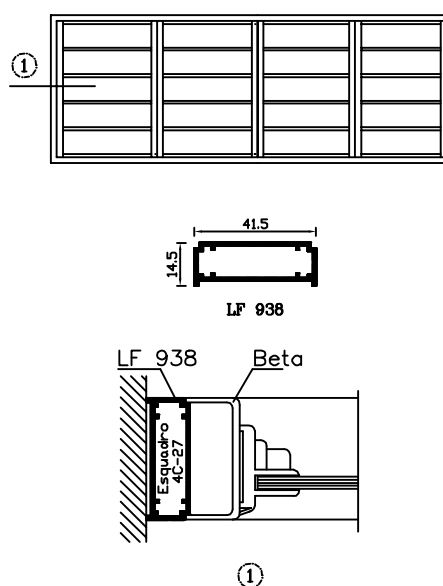
Pormenor de adaptação de janelas BETA
a caixilharia da série F10



Pormenor de ligação de séries
com 40 mm a janelas BETA



Perfil de aro para vãos de
janelas multiplas BETA



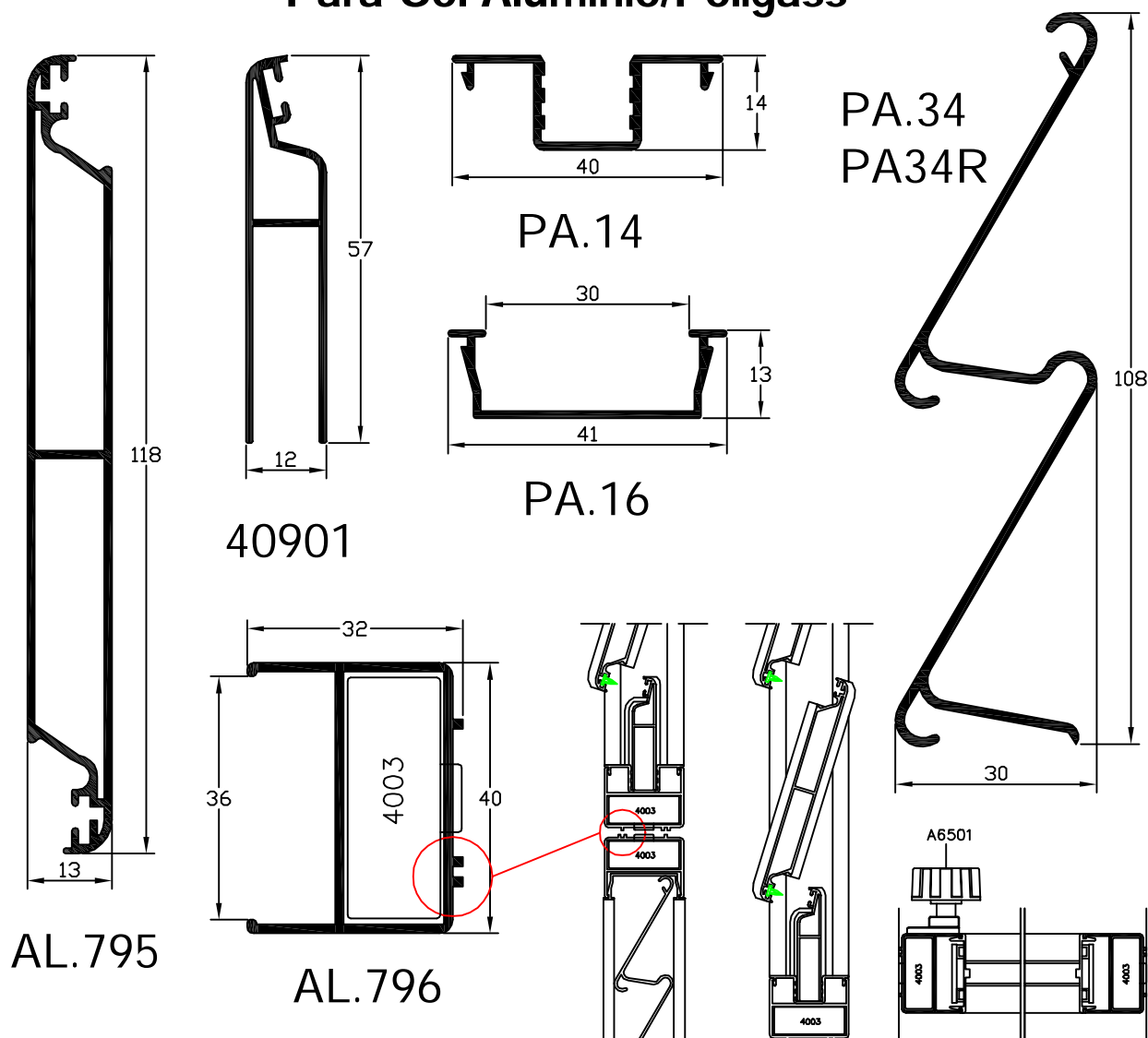
STANDARD'S

Lâminas BETAS
Versão 01-13

Pág.10.02

S/Esc

Pára-Sol Alumínio/Poligass



A6501	Referências	Altura Mecanismo	Altura Máxima	Nº. de Lâminas
1 Comando	A6504-BR/PT/VR	430 mm	590 mm	4
	A6504-BR/PT/VR	540 mm	700 mm	5
	A6504-BR/PT/VR	650 mm	810 mm	6
	A6504-BR/PT/VR	760 mm	920 mm	7
	A6504-BR/PT/VR	870 mm	1030 mm	8
	A6504-BR/PT/VR	980 mm	1140 mm	9
	A6504-BR/PT/VR	1090 mm	1250 mm	10
	A6504-BR/PT/VR	1200 mm	1360 mm	11
2 Comandos	A6504-BR/PT/VR	1310 mm	1470 mm	12
	A6504-BR/PT/VR	1420 mm	1580 mm	13
	A6504-BR/PT/VR	1530 mm	1690 mm	14
	A6504-BR/PT/VR	1640 mm	1800 mm	15
	A6504-BR/PT/VR	1750 mm	1910 mm	16
	A6504-BR/PT/VR	1860 mm	2020 mm	17
	A6504-BR/PT/VR	1970 mm	2130 mm	18
	A6504-BR/PT/VR	2080 mm	2240 mm	19
	A6504-BR/PT/VR	2190 mm	2350 mm	20

Lâminas Policarbonato ~3MT~



Azul
A6501-AZ

Transparente
A6501-TR

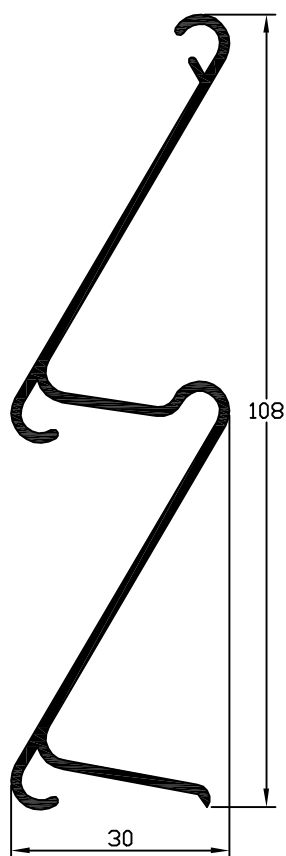
Bronze
A6501-BZ

Branco
A6501-BR

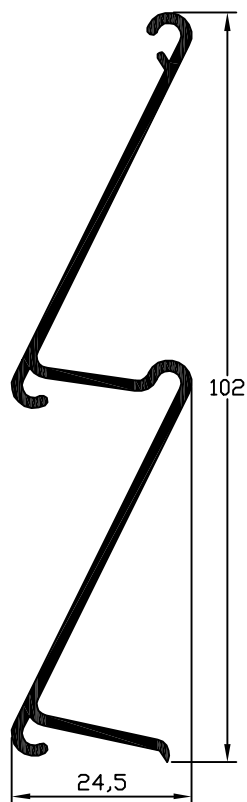
STANDARD'S

Pára-Sol Alumínio / Poligass
Versão 01-13 Pág.11.01

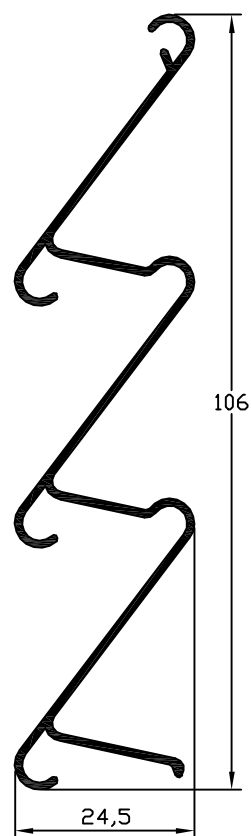
Lâminas Fixas



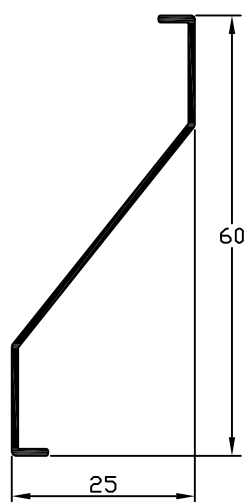
PA.34
PA334R



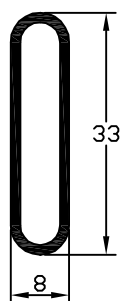
PA.35
PA.35R



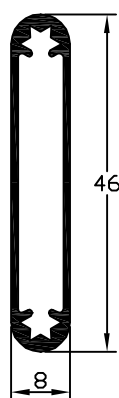
PA.36
PA.36R



PA.30



PA.47



PA.48



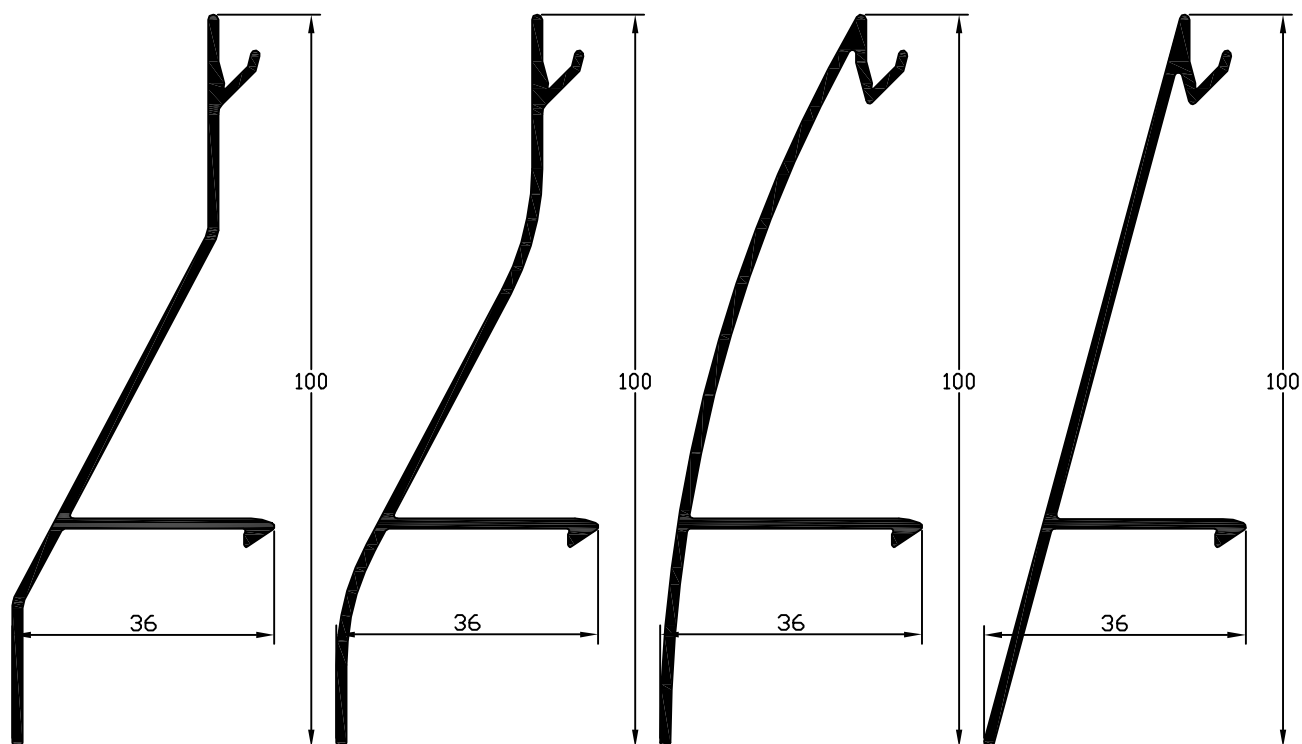
PA.49

STANDARD'S

Lâminas Fixas
Versão 01-13

Pág.12.01

Lâminas Pára-Sol Fixas

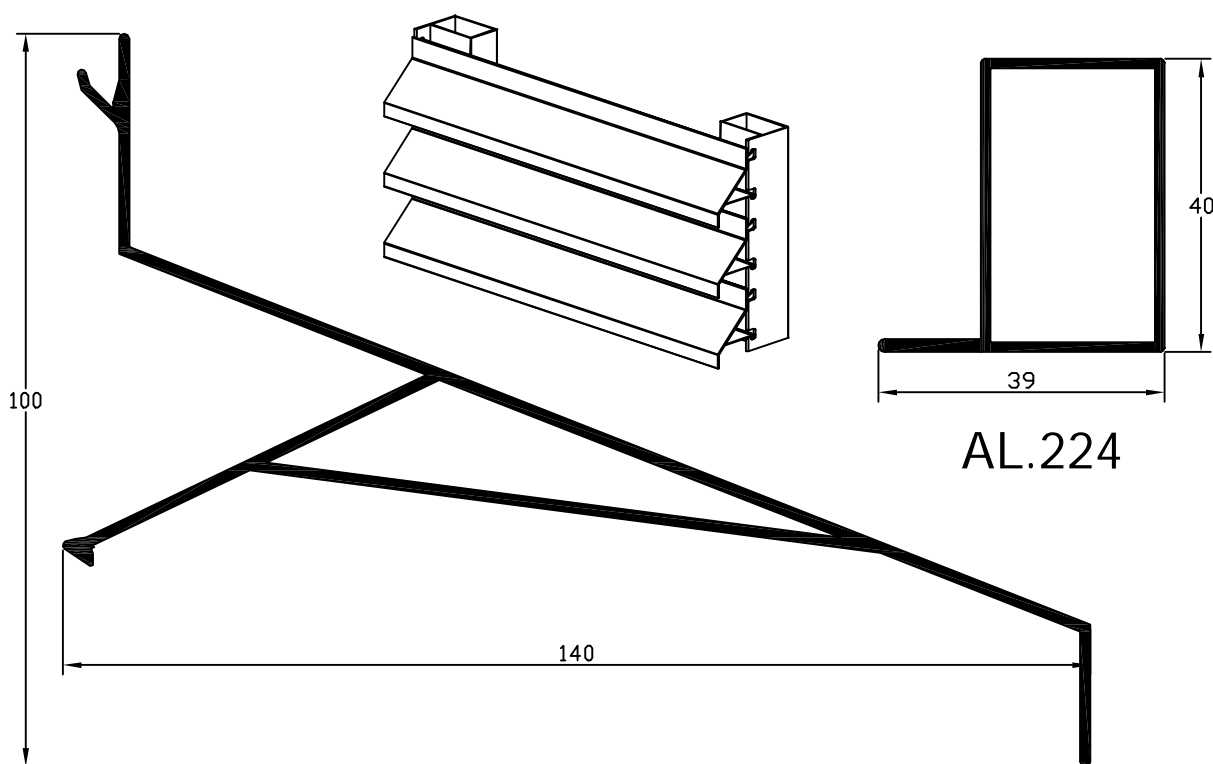


AL.223

AL.238

AL.239

AL.240



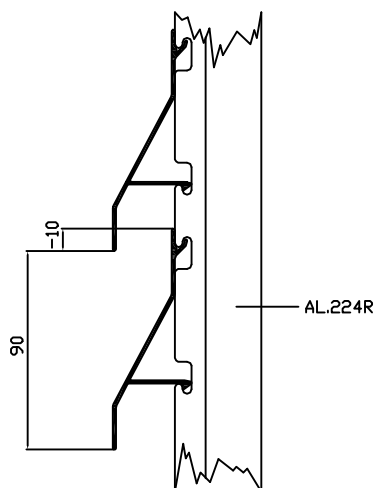
AL.2140

AL.224

STANDARD'S

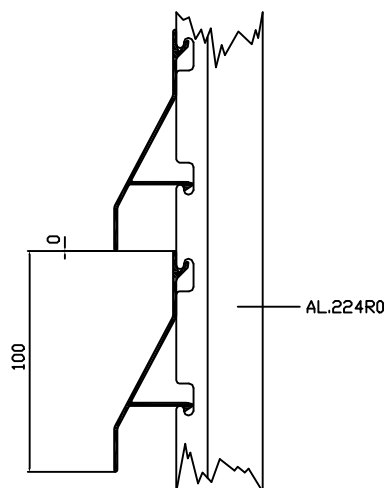
Lâminas Pára-Sol Fixas
Versão 01-13 Pág.13.01

AL.224R



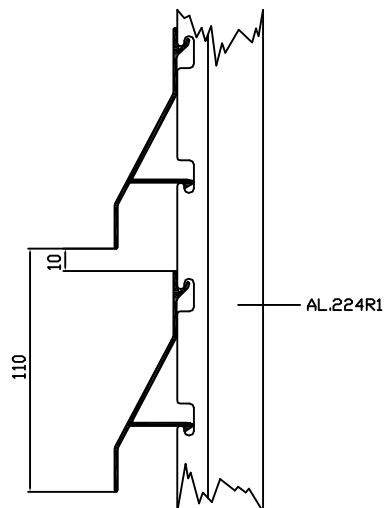
Distancia entre lamina de (-10 mm)

AL.224R0



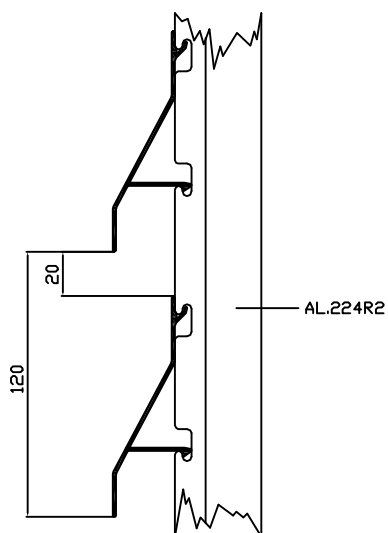
Distancia entre lamina de (0 mm)

AL.224R1



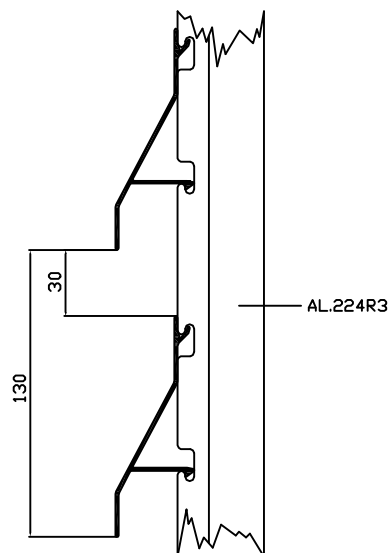
Distancia entre lamina de (10 mm)

AL.224R2



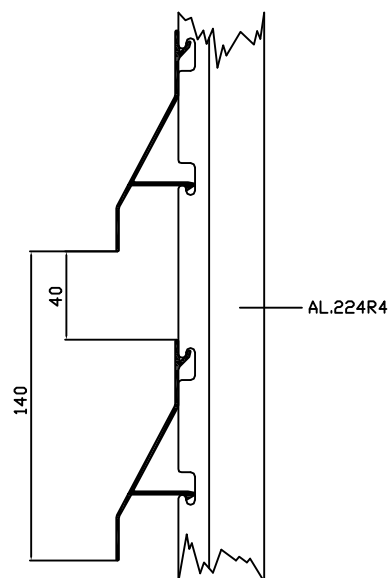
Distancia entre lamina de (20 mm)

AL.224R3

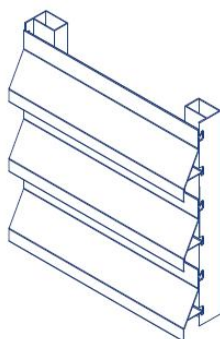


Distancia entre lamina de (30 mm)

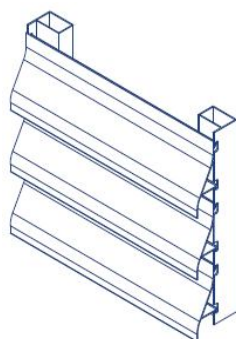
AL.224R4



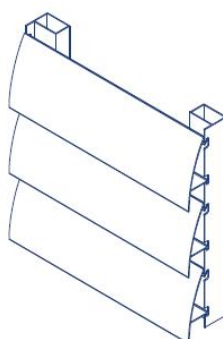
Distancia entre lamina de (40 mm)



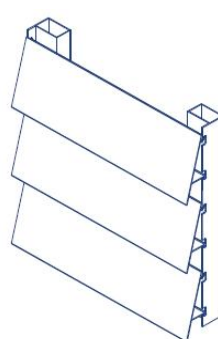
AL.223



AL.238



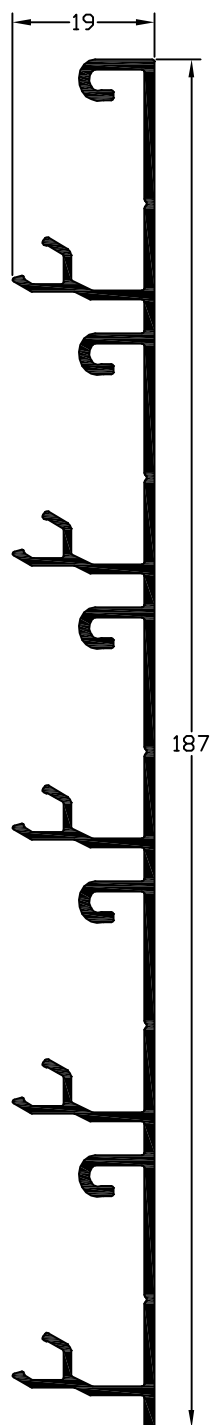
AL.239



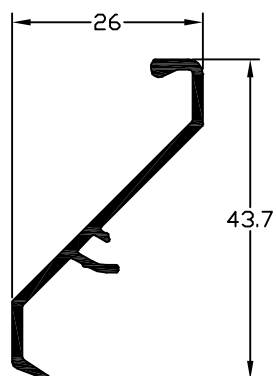
AL.240
S/Esc

STANDARD'S

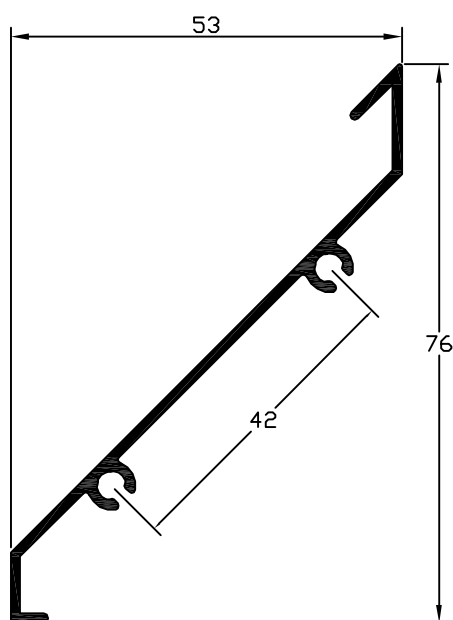
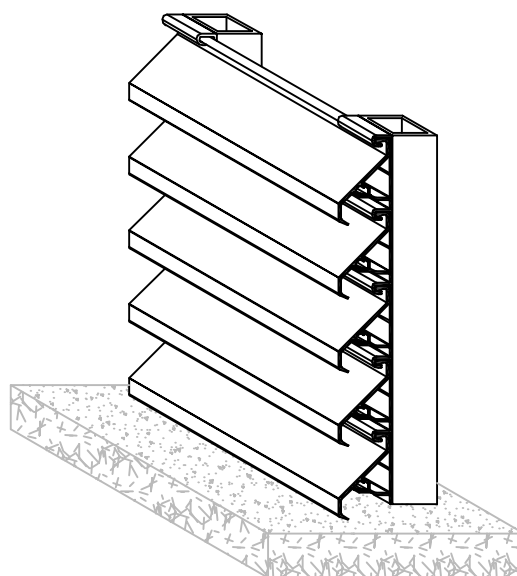
Lâminas Pára-Sol Fixas
Versão 01-13 Pág.13.02



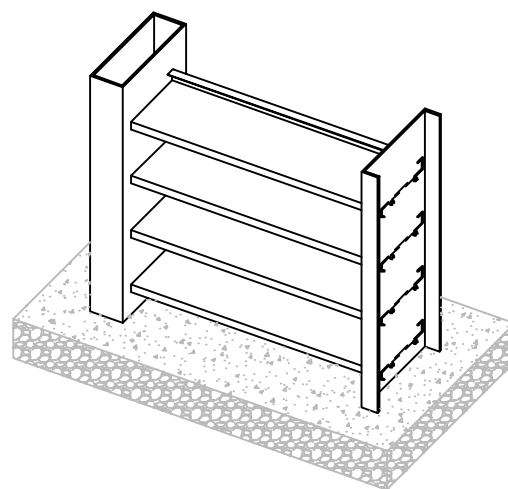
AL.11506



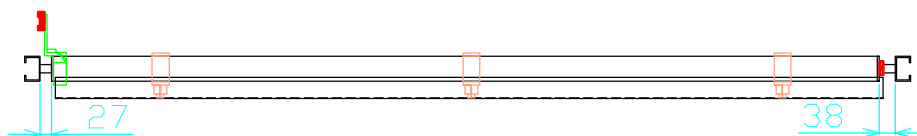
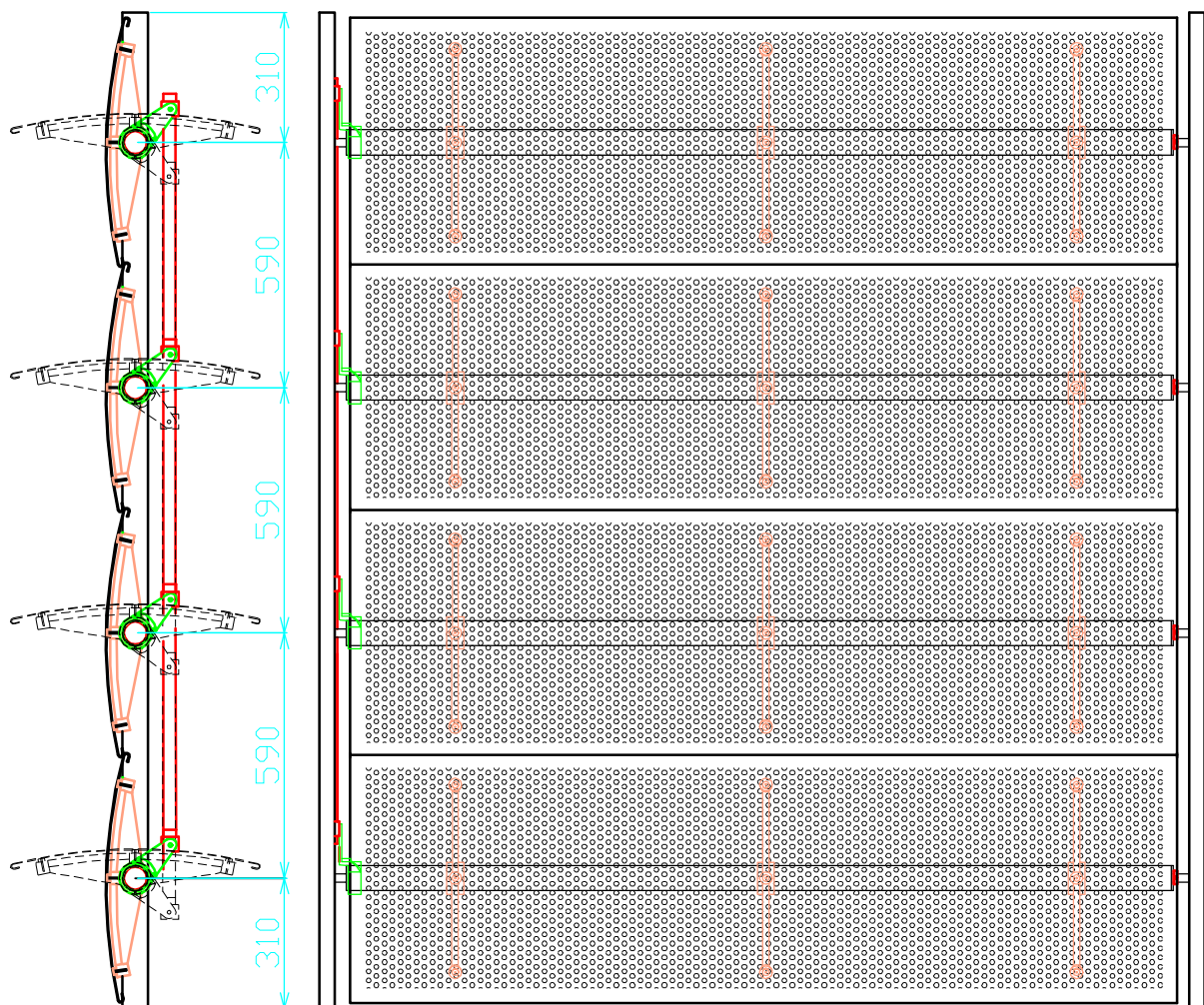
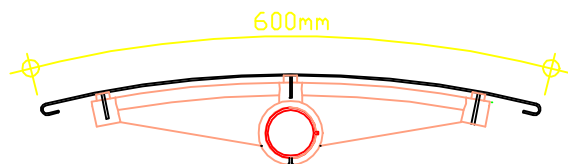
AL.11507



AL.797



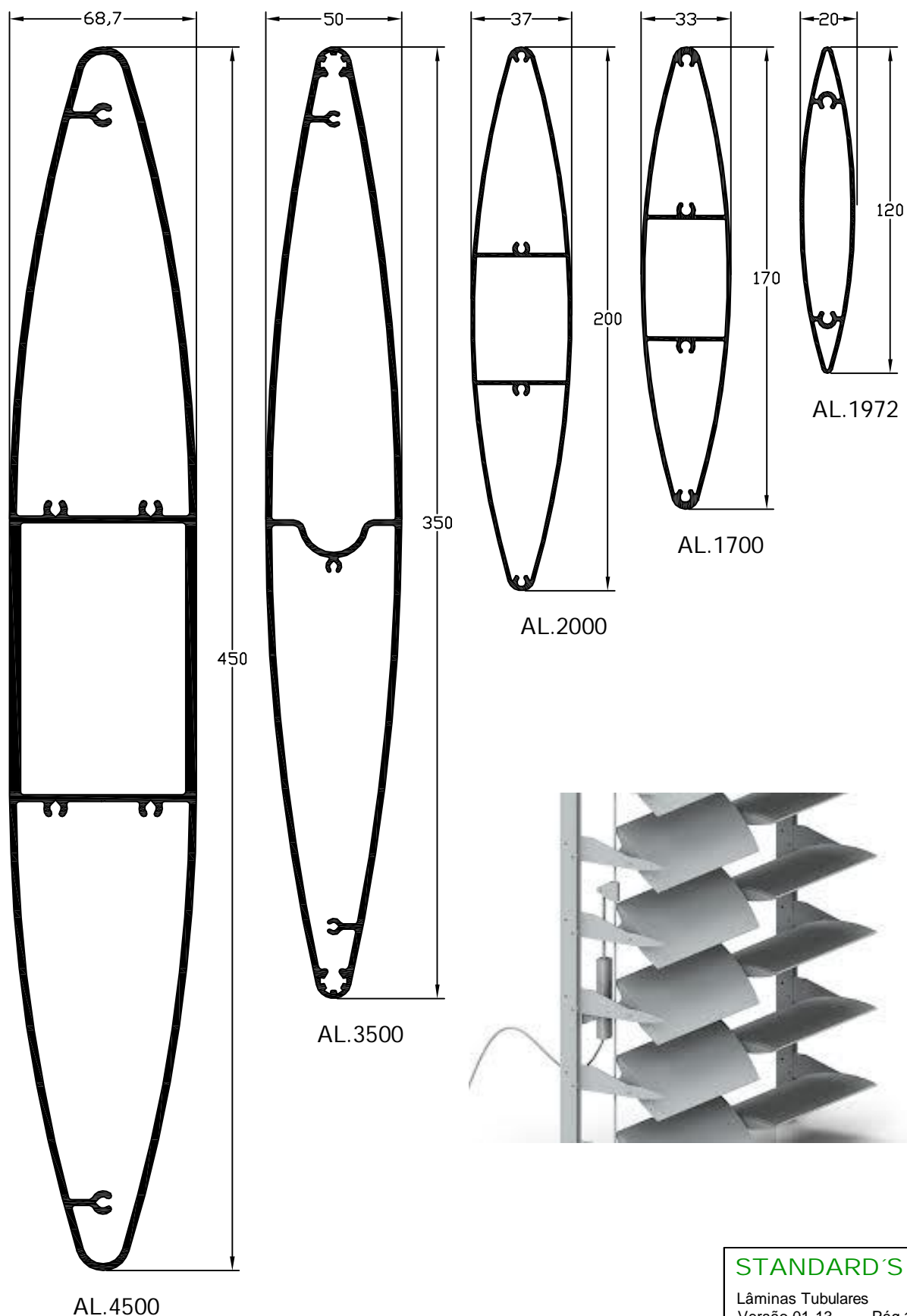
Lâminas Pára-Sol Móveis



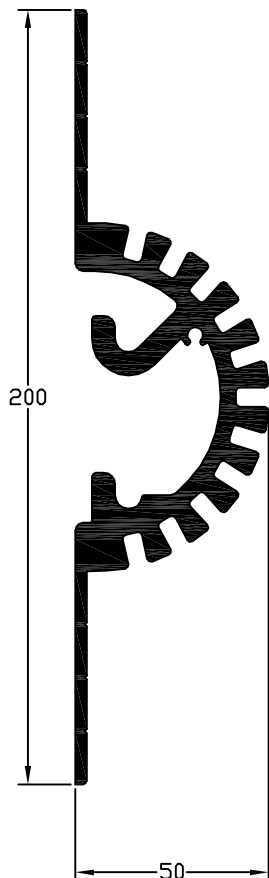
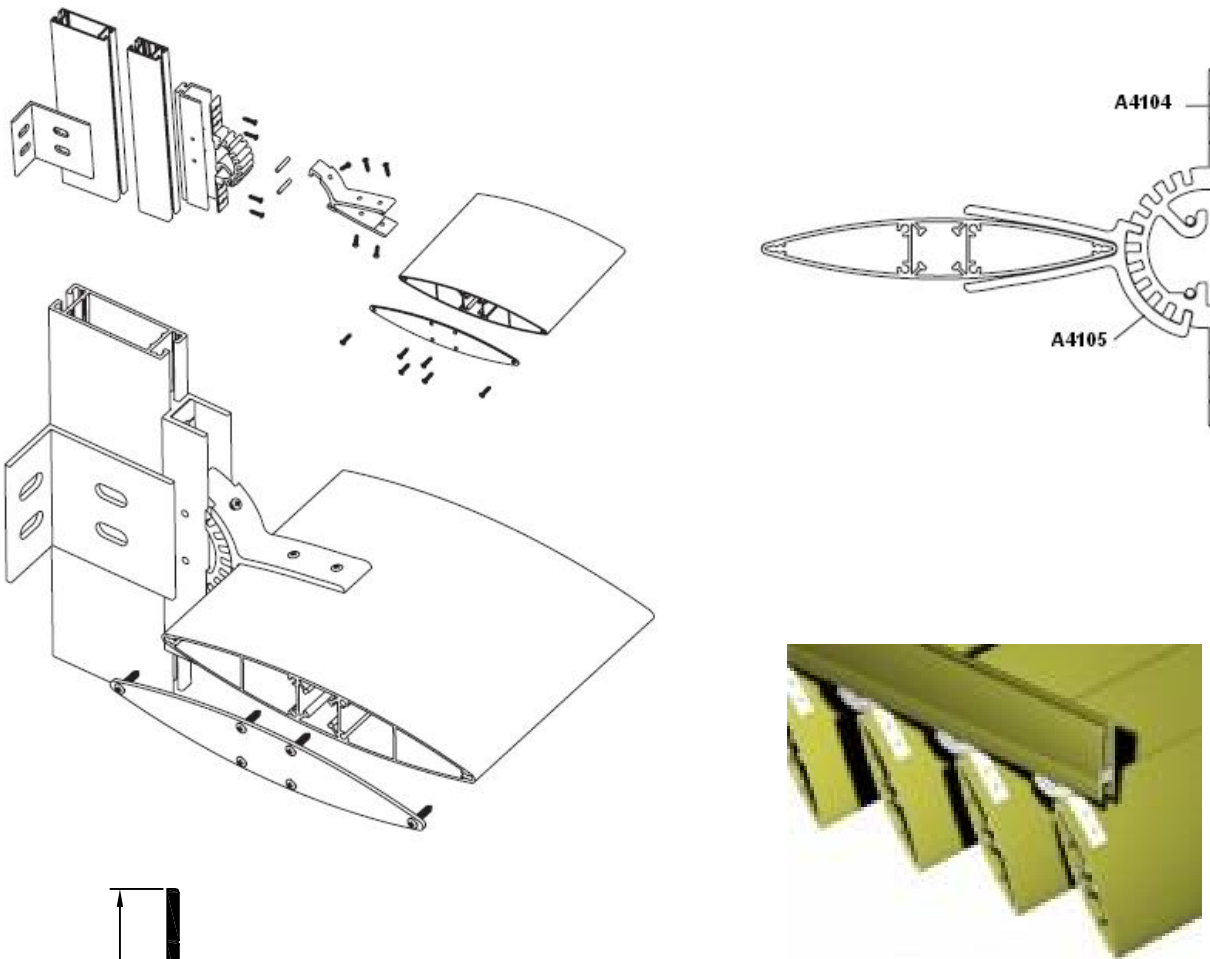
STANDARD'S

Lâminas Pára-Sol Móveis
Versão 01-13 Pág.13.04

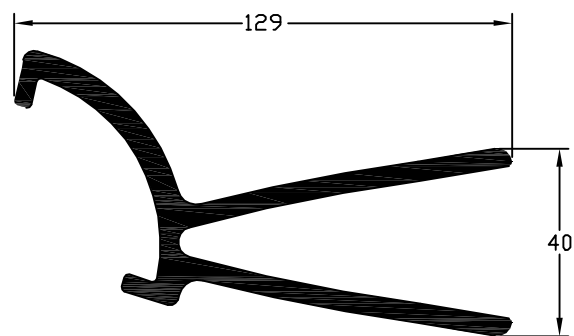
Lâminas Tubulares



Peça para Ângulo



A.4105



A.4104

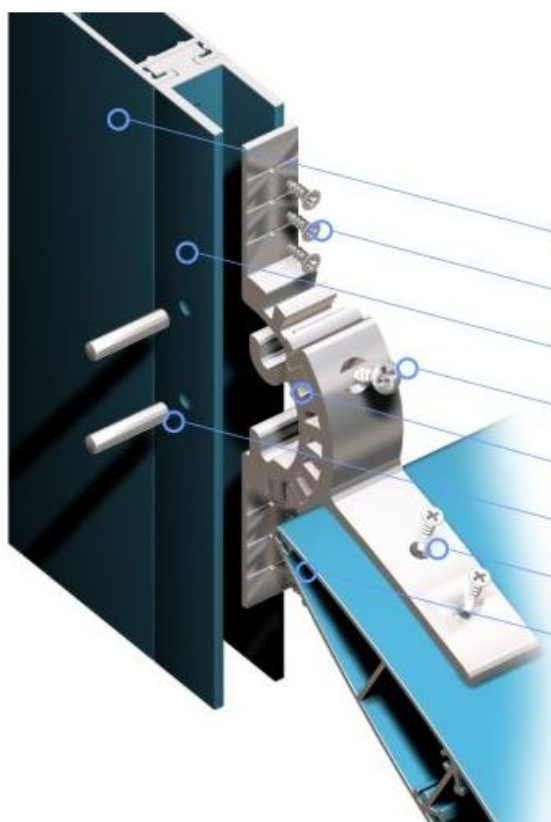
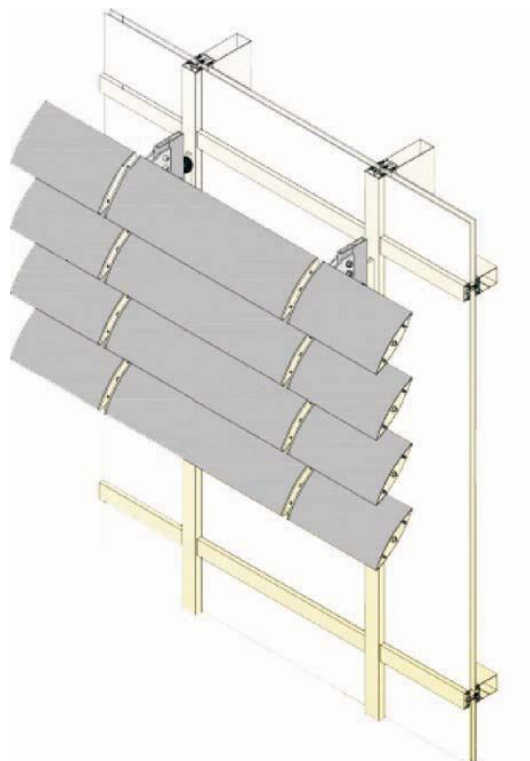
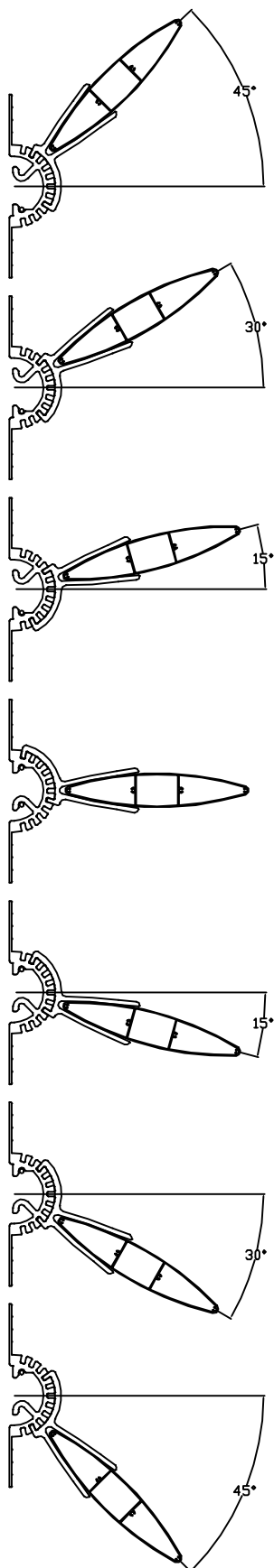


STANDARD'S

Peças para ângulo
Versão 01-13

Pág.13.06

S/Esc



- Diferentes tamanhos de barras de suporte
- Fixação da base com triplo parafuso
- Perfil recetor que permite diferentes afastamentos
- Fixação da posição do ângulo
- Peça dentada para posição aos ângulos desde 0 a 60°
- Pernos de fixação ao suporte
- Parafuso para fixação da lâmina
- Diferentes lâminas desde 200 a 350 mm de largura

STANDARD'S

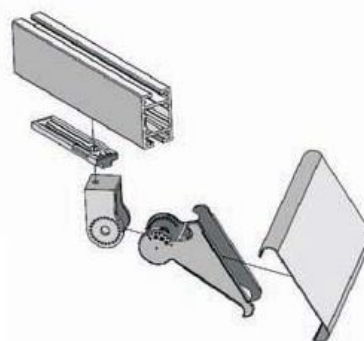
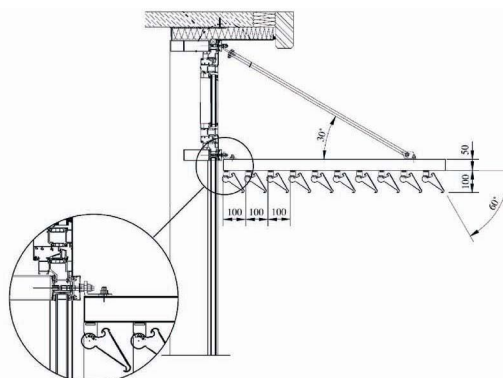
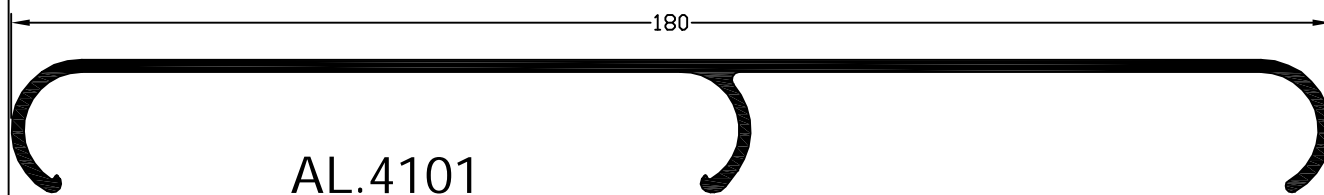
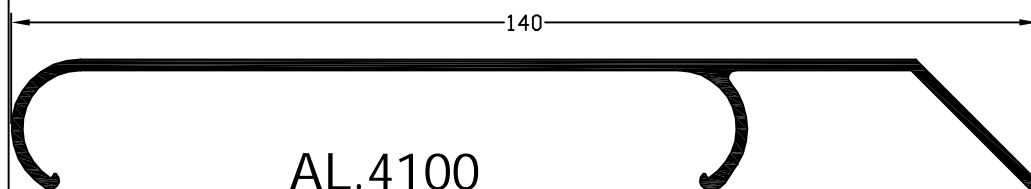
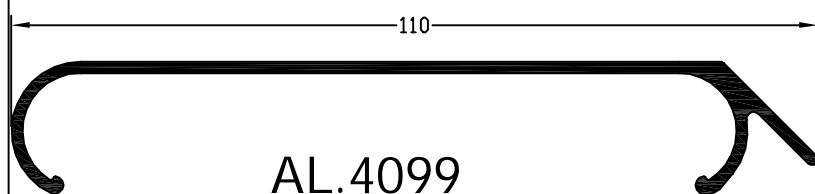
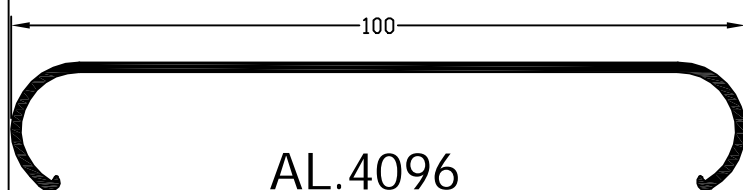
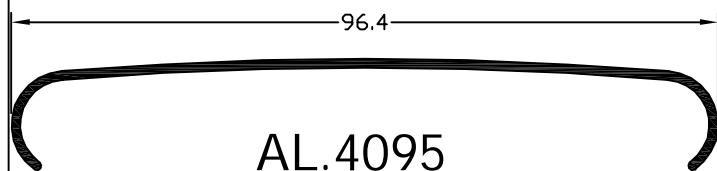
Peças para ângulo

Versão 01-13

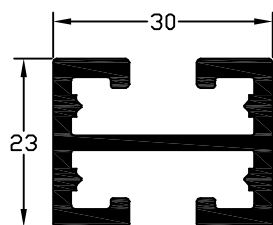
Pág.13.07

S/Esc

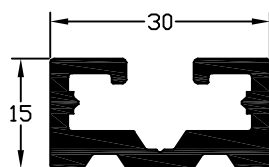
Lâminas Fixas-Horizontais



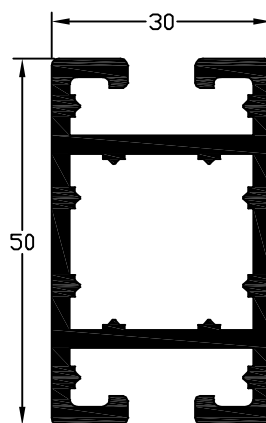
Lâminas Fixas-Horizontais



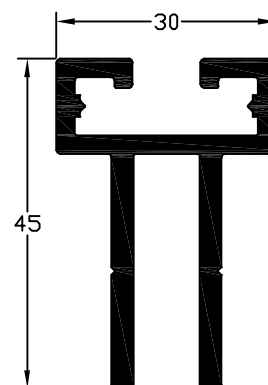
AL.4089



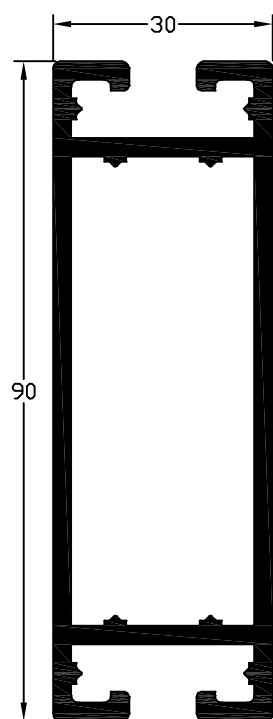
AL.4090



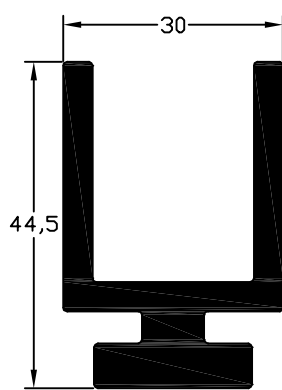
AL.4091



AL.4092



AL.4093



AL.4094

Momentos Inércias Cm⁴

* - Ângulo 30°

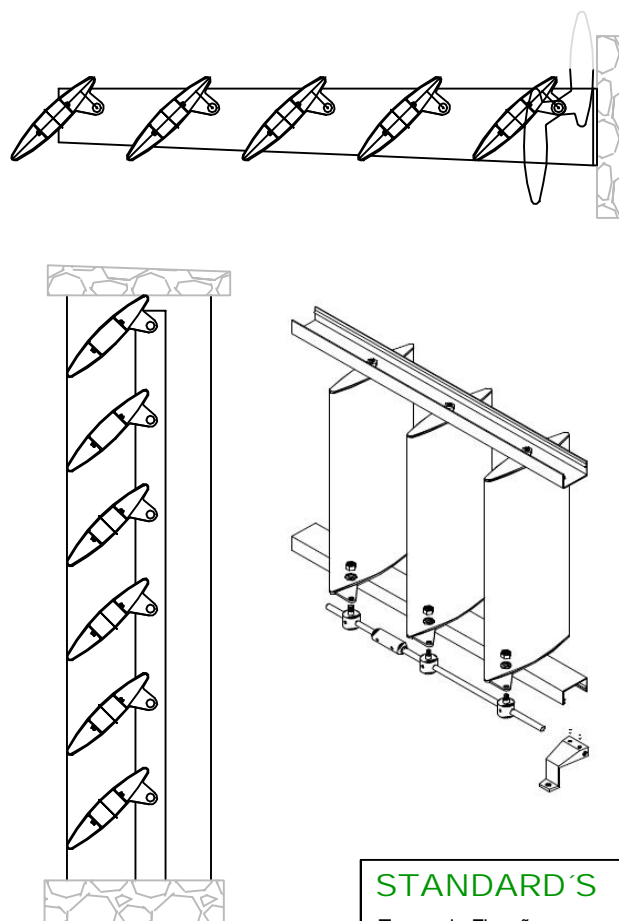
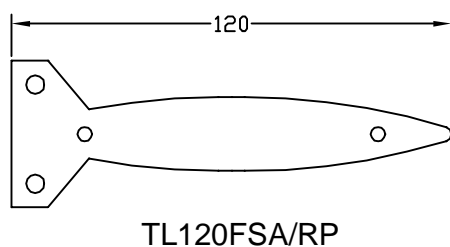
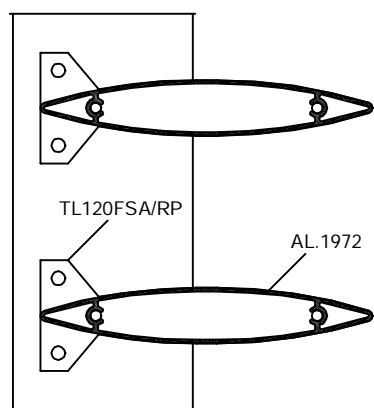
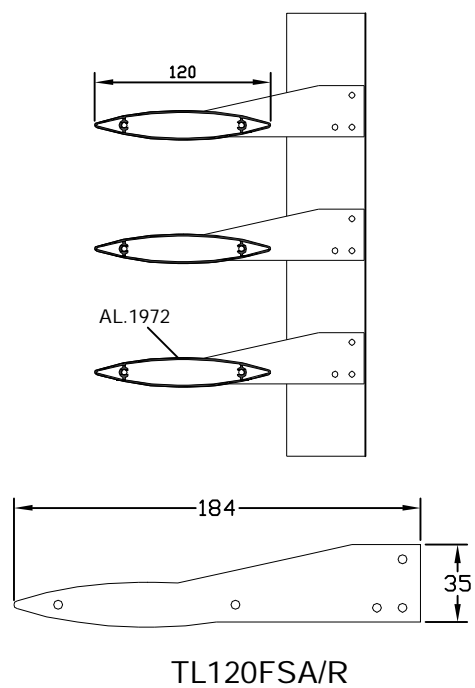
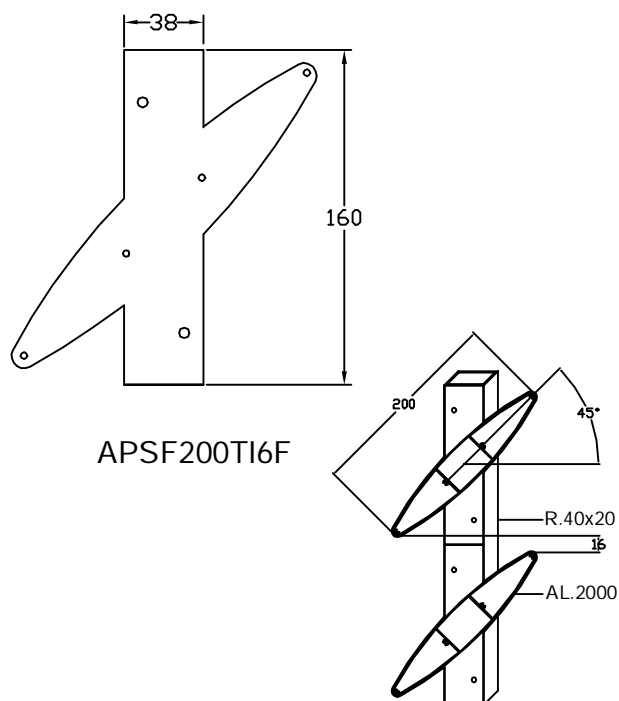
Referências	I _x	I _y
AL.4095*	3,73	10,78
AL.4096*	5,24	14,92
AL.4099*	8,72	23,19
AL.4100*	13,92	37,40
AL.4101*	30,84	90,64
AL.4098*	32,42	75,13

AL.4090	0,50	2,31
AL.4089	1,47	3,26
AL.4092	6,48	2,67
AL.4091	13,09	6,41
AL.4093	64,48	10,05
AL.4094	8,65	5,51

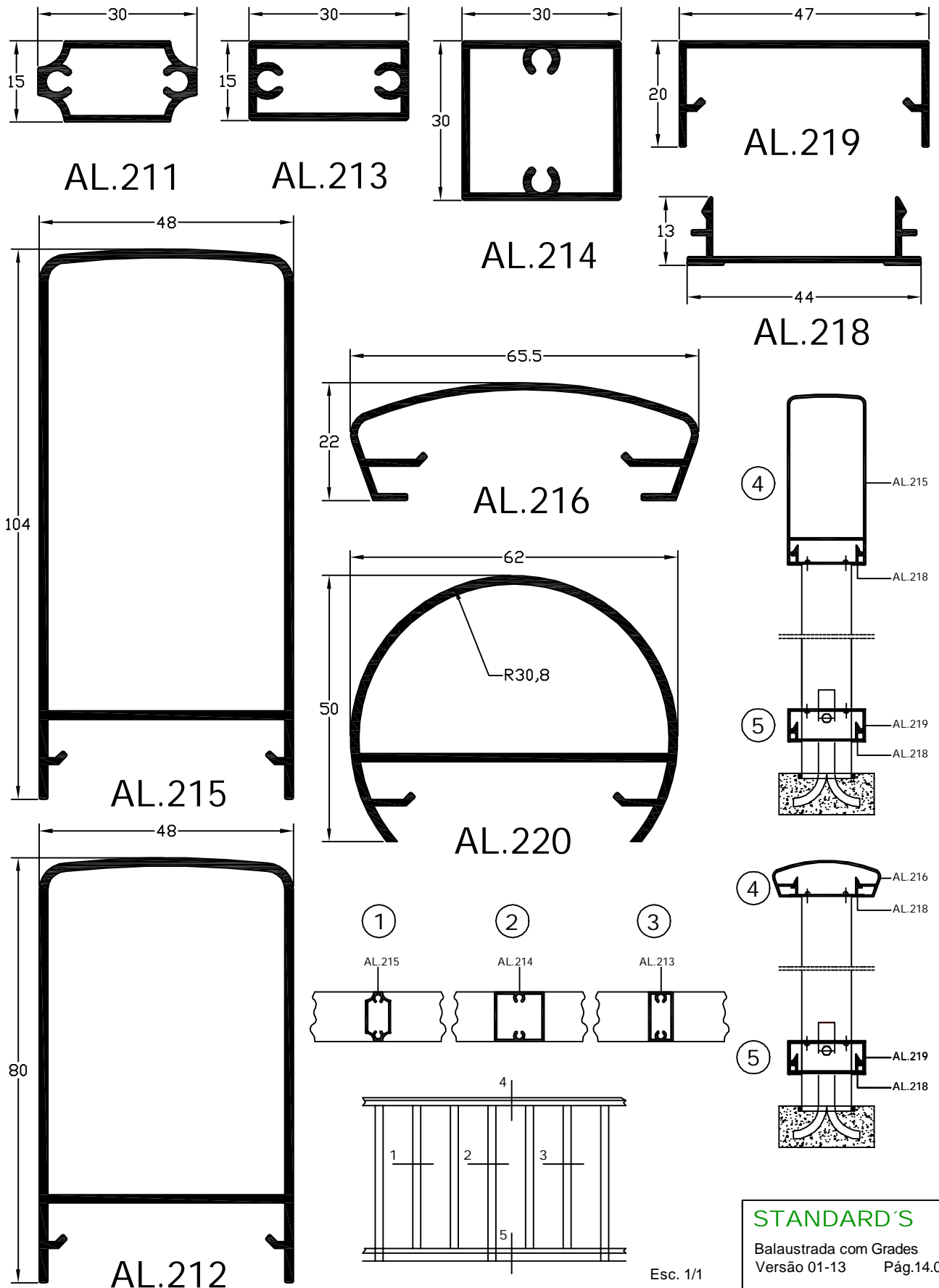
**STANDARD'S**
 Lâminas Fixas-Horizontais
 Versão 01-13

Pág.13.09

Topos de Fixação



Balaustrada com Grades

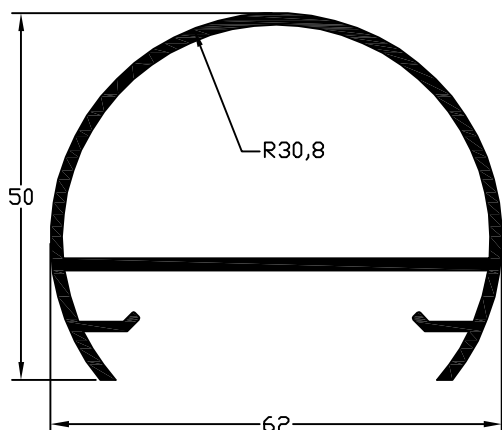


STANDARD'S

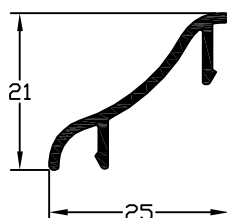
Balaustrada com Grades
Versão 01-13 Pág.14.01

Esc. 1/1

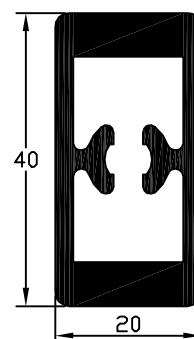
Balaustrada com Vidro



AL.220



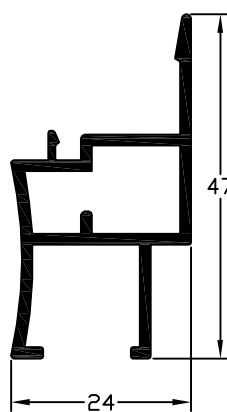
AL.230



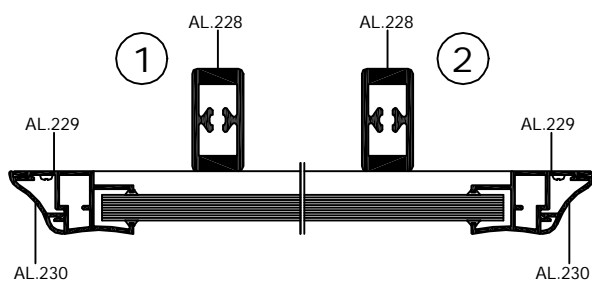
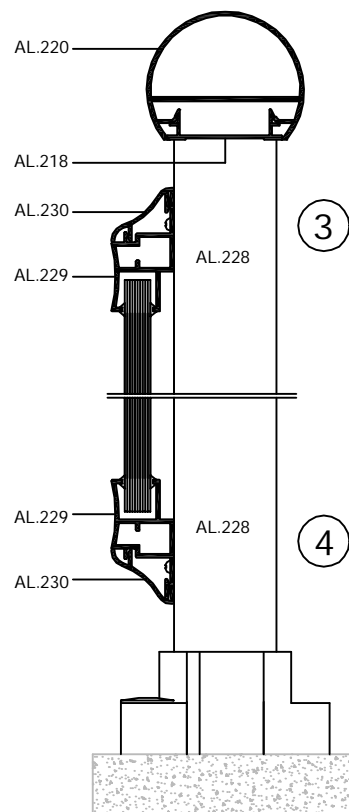
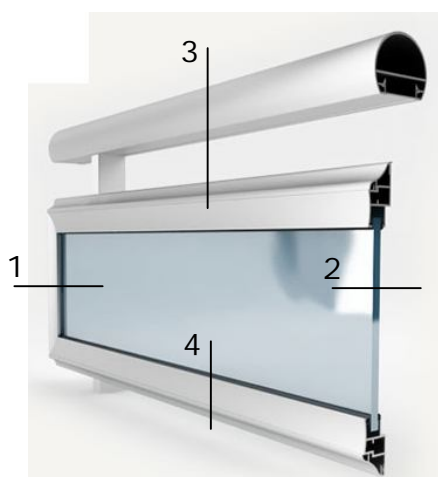
AL.228



AL.218

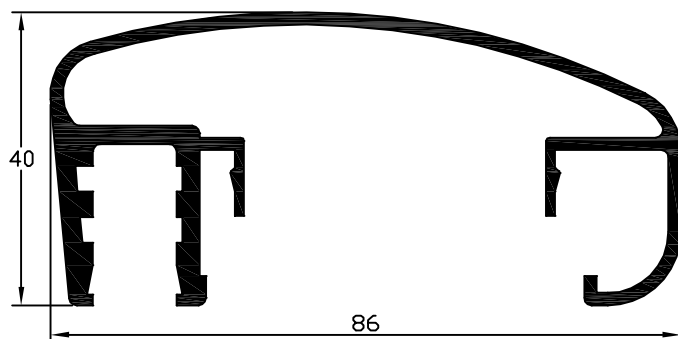


AL.229

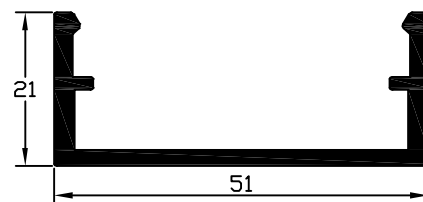


STANDARD'S

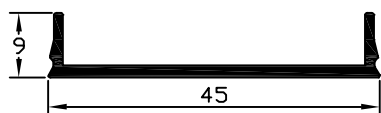
Balaustrada com Vidro
Versão 01-13 Pág.14.02



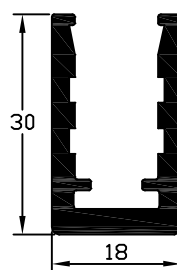
AL.3893



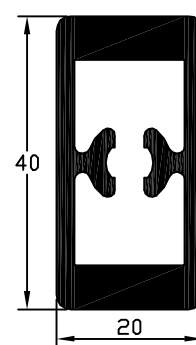
AL.3573



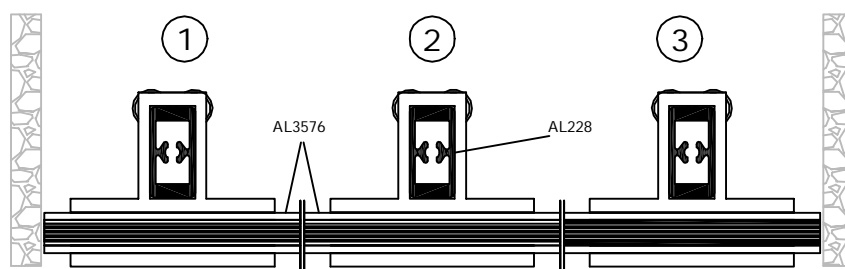
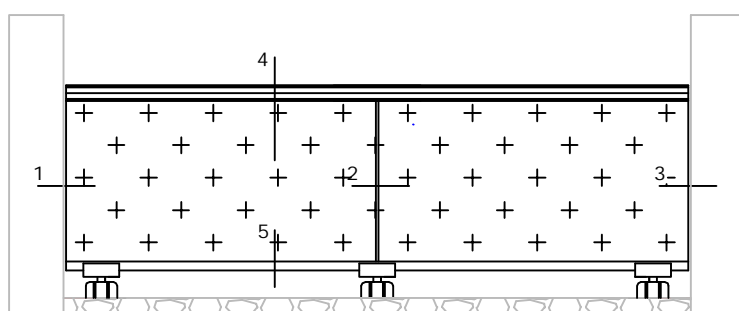
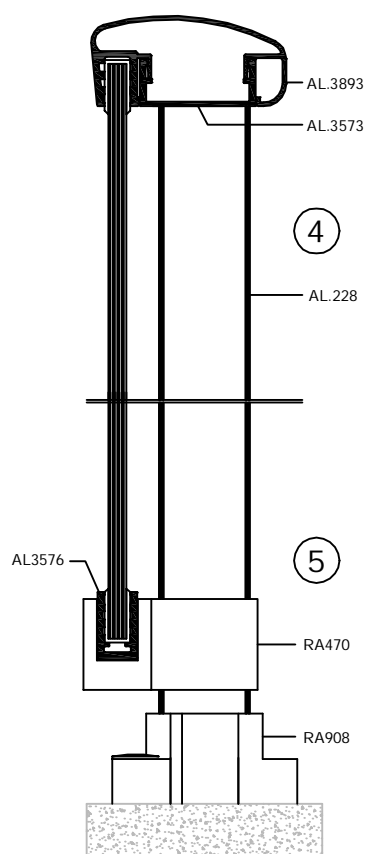
AL.3575



AL.3576



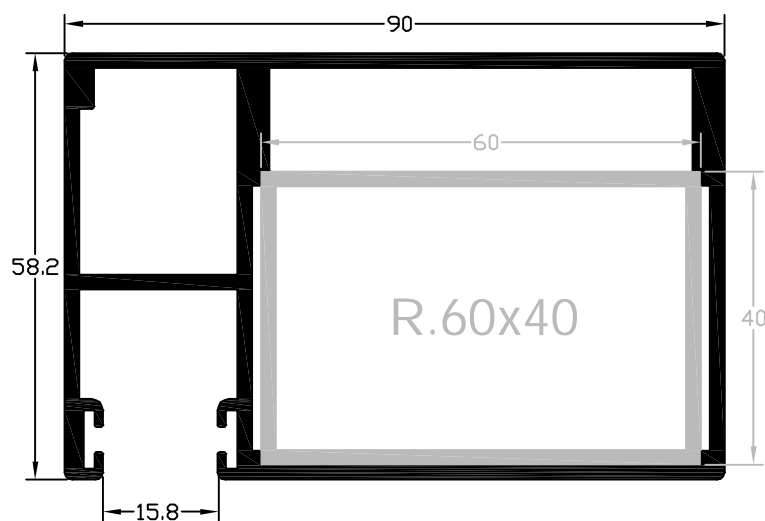
AL.228



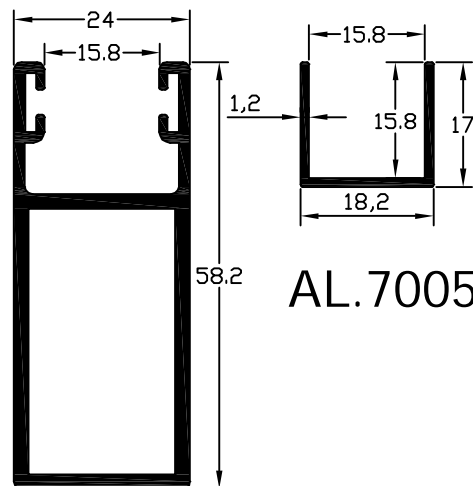
STANDARD'S

Balastrada com Vidro
Versão 01-13 Pág.14.03

Balaustrada com Vidro

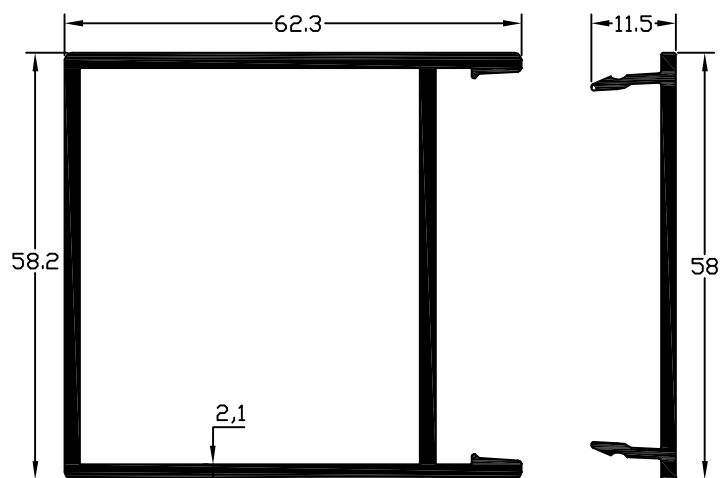


AL.7000



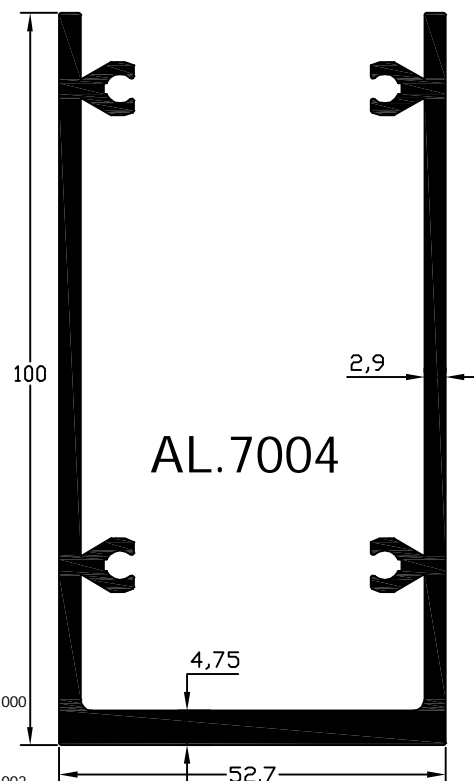
AL.7005

AL.7003

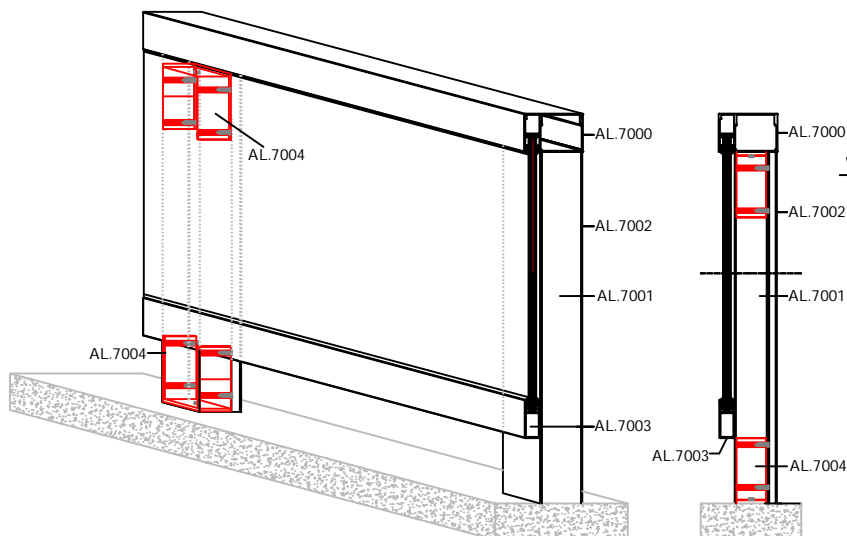


AL.7001

AL.7002



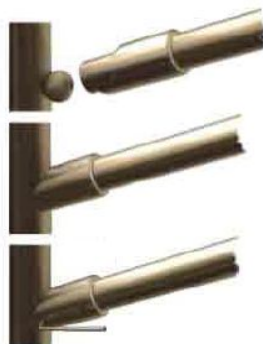
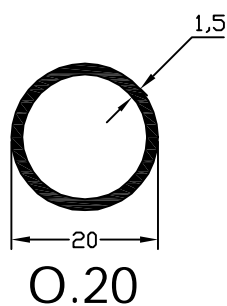
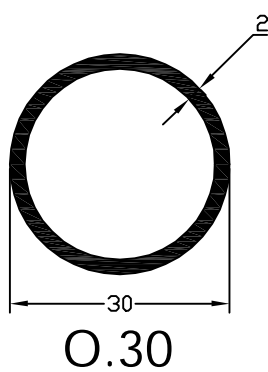
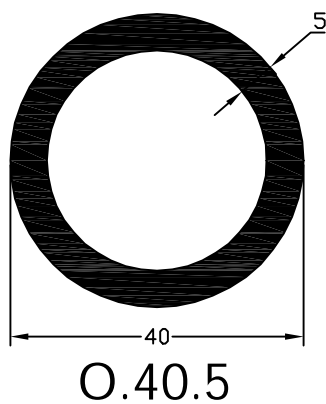
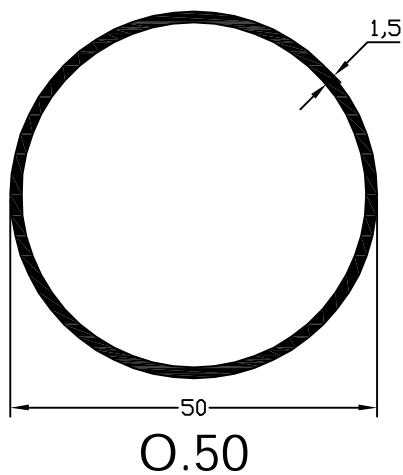
AL.7004



STANDARD'S

Balaustrada com Vidro
Versão 01-13 Pág.15.01

Balastrada com Tubos / Vidro

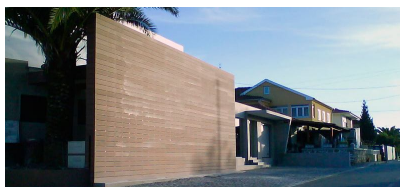


STANDARD'S

Balastrada Tubos / Vidro
Versão 01-13 Pág.16.01



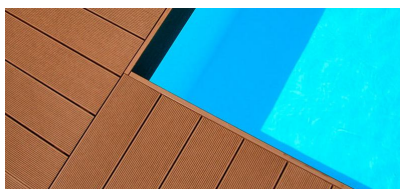
Terraços



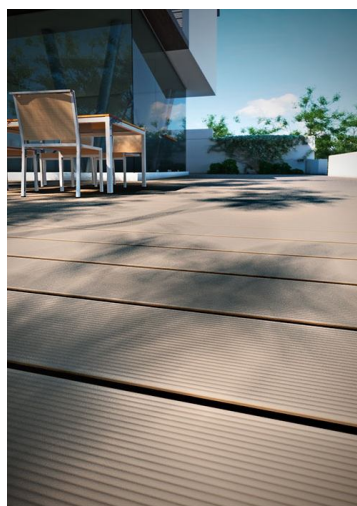
Fachadas



Portões



Piscinas



ALUdeck

Face á Madeira:

Mais atractivo:

Disponível em seis cores.

Mais resistente:

Com estabilizante U.V. (protecção contra o sol) e camada anti-fúngica.

Mais seguro:

Sem lascas ou outros elementos cortantes.

Menos mão-de-obra:

Sem necessidade de aparafusamento.

Amigo do ambiente:

Reciclável e com maior durabilidade.

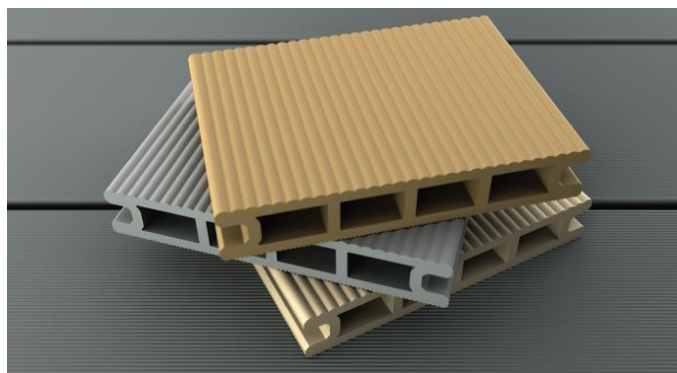
Face a outras soluções:

Totalmente inovador:

O primeiro deck flutuante do mercado.

Mais fácil de aplicar:

Utiliza um sistema patenteado de encaixe por clipagem.



Chocolate

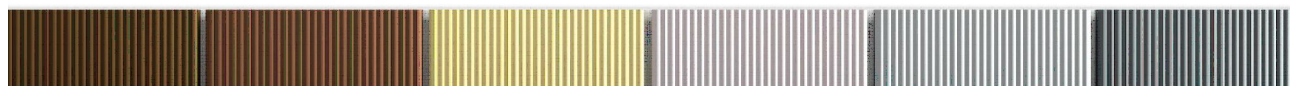
Red Wood

Faia Bege

Faia Rose

Cinza

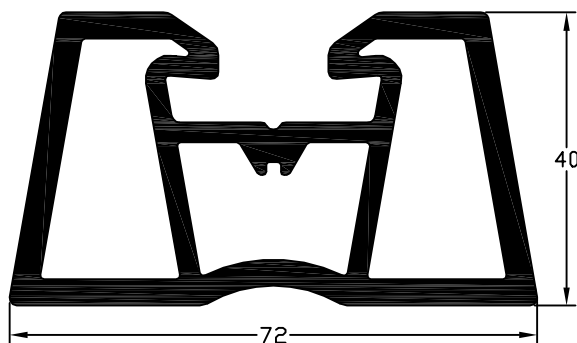
Negro



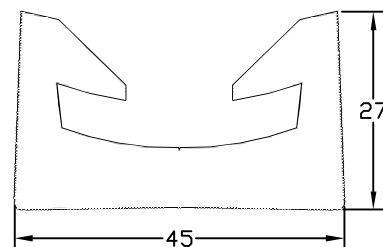
STANDARD'S

ALUdeck
Versão 01-13 Pág.17.01

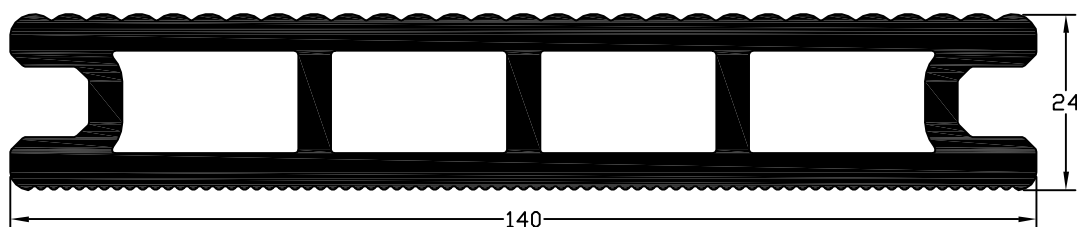
ALUdeck



*DEU10230

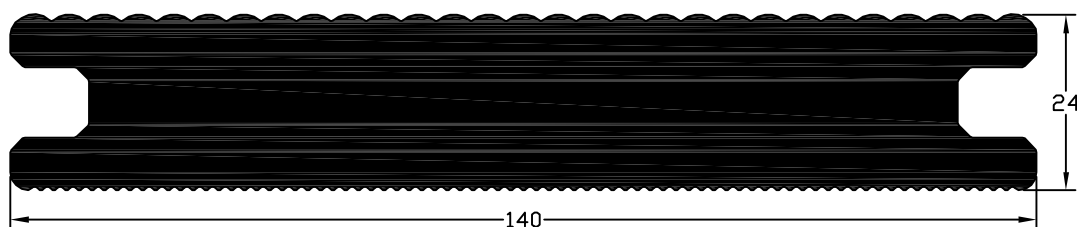


*DEU11230



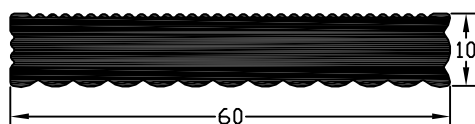
**DEC01420

*DEU01420



**DEC03420

*DEU03230



*DEU20230



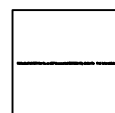
DEC70001



DEC70002



DEC70003



DEC70004

* DEU... Barras com 2300 de comprimento
** DEC... Barras com 4200 de comprimento

Esc. 1/1

STANDARD'S

ALUdeck
Versão 01-13

Pág.17.02

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