

solene25



GRUPO PERFISUD

O Perfil de Alumínio do Futuro.

O Grupo Perfisud é formado por empresas que atuam de forma integrada no desenvolvimento, industrialização e distribuição de perfis de alumínio, entregando ao mercado soluções completas com qualidade, agilidade e inovação.

Atendemos com excelência os setores da construção civil e da indústria, oferecendo tecnologia, suporte técnico especializado e flexibilidade para clientes que buscam desempenho, durabilidade e atendimento diferenciado nos seus projetos.

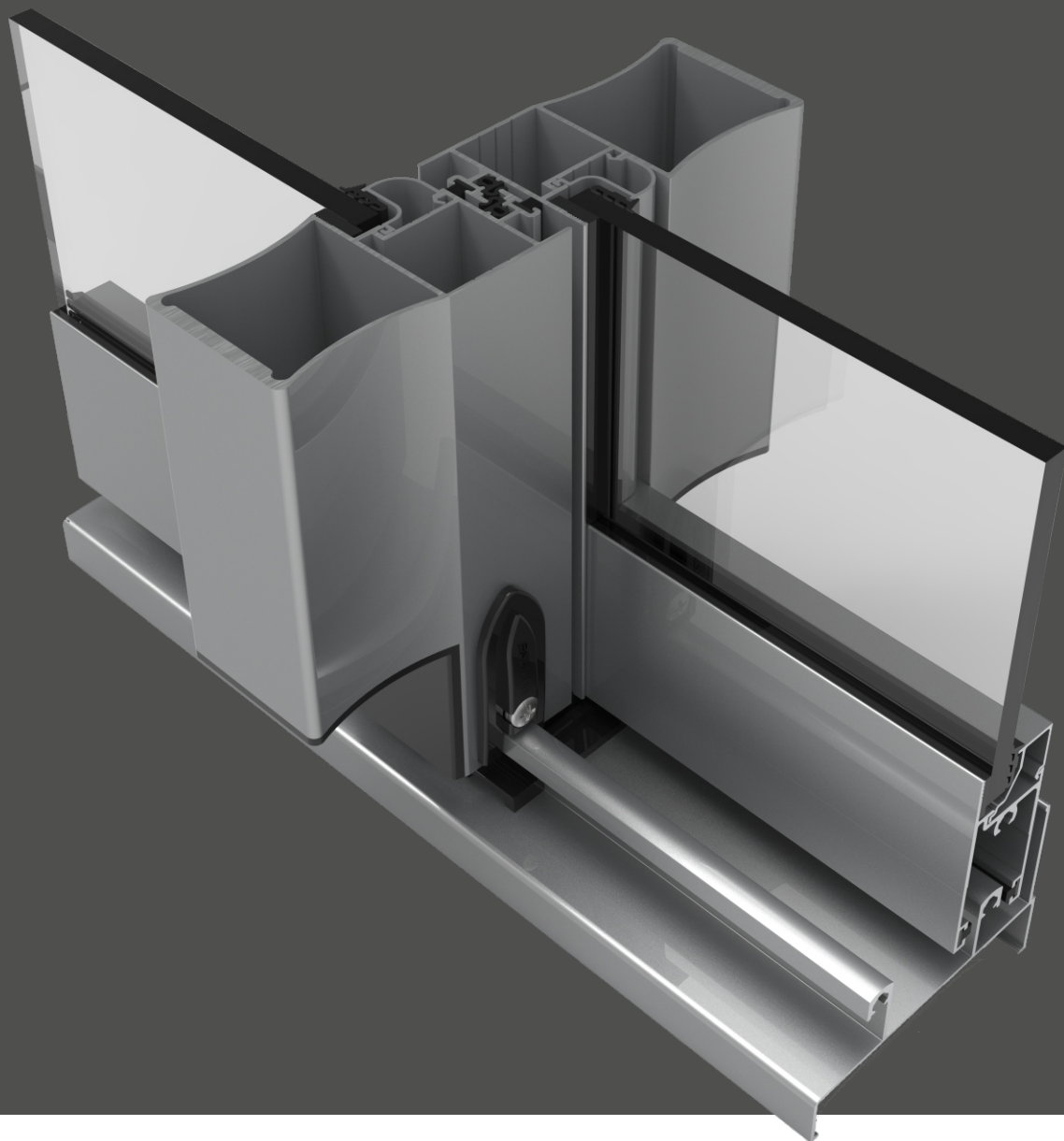
Nascemos com um propósito claro: sermos mais do que fornecedores. Somos parceiros estratégicos, comprometidos em impulsionar o

sucesso de cada cliente por meio de soluções que unem engenharia, inovação e profundo entendimento das necessidades do mercado.

Nossa atuação se destaca pela verticalização inteligente: da extrusão à pintura, da criação de sistemas próprios ao estoque à pronta entrega.

Somos a Perfisud e a Esquadrimax, marcas fortes, que juntas formam um grupo preparado para atender desde pequenos fabricantes até grandes indústrias, construtoras e especificadores.

Com uma cultura de excelência, inovação com propósito e relacionamentos duradouros, o Grupo Perfisud cresce de forma sustentável, valorizando o capital humano, respeitando o meio ambiente e se antecipando às transformações do mercado.



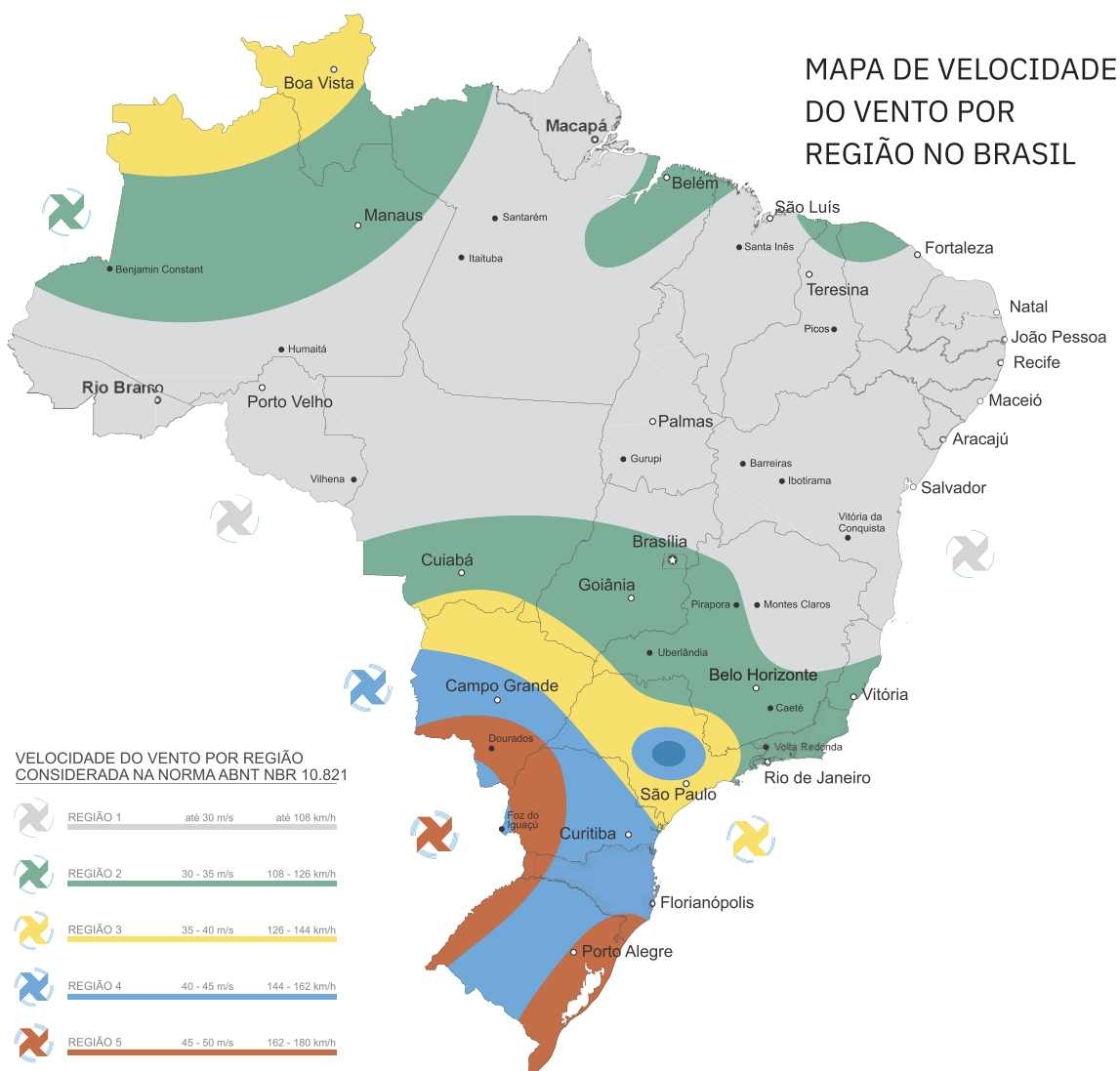
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Um sistema de esquadrias deslizantes, com bitola de 25 mm, reprojeto para alcançar novos patamares de eficiência e qualidade. Apresenta melhorias no layout e nos pontos estratégicos de vedação, contando com quatro vedações nos montantes centrais e mais quatro nos laterais, o que proporciona desempenho superior em permeabilidade ao ar e estanqueidade.

A determinação da pressão de ensaio que deve ser considerada nos cálculos e análises das esquadrias, são conforme a localização do empreendimento.

- Identifique no mapa de isopletras (figura 1) a região do País onde está localizada a sua edificação

Figura 1 - Isopletras da velocidade básica. Fonte: ABNT NBR 6123



- Após encontrada a região na figura 1, vamos analisar na tabela abaixo a pressão de ensaio, segurança e água de acordo com a altura ou quantidade de pavimentos da edificação.

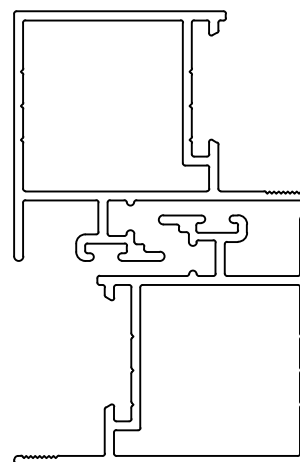
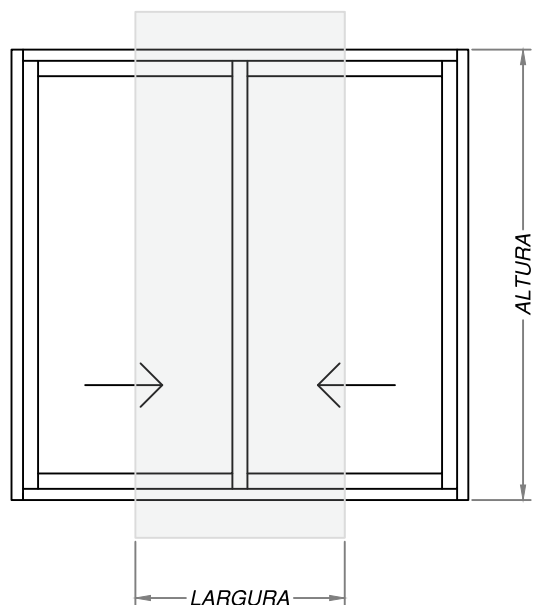
Quantidade de Pavimentos	Altura Máxima	Região do País	Pressão de ensaio Pe, em (Pa) Positiva e negativa $Pe = Pp \times 1,2$	Pressão de segurança Ps, em (Pa) Positiva e negativa $Pe = Pp \times 1,5$	Pressão de água Pa, em (Pa) $Pe = Pp \times 1,2$
02	6 m	I	350	520	60
		II	470	700	80
		III	610	920	100
		IV	770	1160	130
		V	950	1430	160
05	15 m	I	420	640	70
		II	580	860	100
		III	750	1130	130
		IV	950	1430	160
		V	1180	1760	200
10	30 m	I	500	750	80
		II	680	1030	110
		III	890	1340	150
		IV	1130	1700	190
		V	1400	2090	230
20	60 m	I	600	900	100
		II	815	1220	140
		III	1060	1600	180
		IV	1350	2020	220
		V	1660	2500	280
30	90 m	I	660	980	110
		II	890	1340	150
		III	1170	1750	200
		IV	1480	2210	250
		V	1820	2730	300

- Com as pressões encontradas, é possível verificar nas páginas dos diagramas de dimensões, qual o perfil se encaixa melhor para aplicação em sua edificação. Para isso, ligue o eixo da largura e altura com a curva referente a pressão de ensaio do seu projeto.

Notas:

* Nos gráficos de desempenho, foram considerados as pressões de ensaio e segurança de acordo com a norma ABNT NBR 10.821. Para edificações com especificações, localização, necessidades e/ou exigências especiais de utilização, deve-se consultar a ABNT NBR 6123 para determinação da pressão de projeto (Pp) e pressão de ensaio (Pe), prevalecendo como mínimos os valores acima.

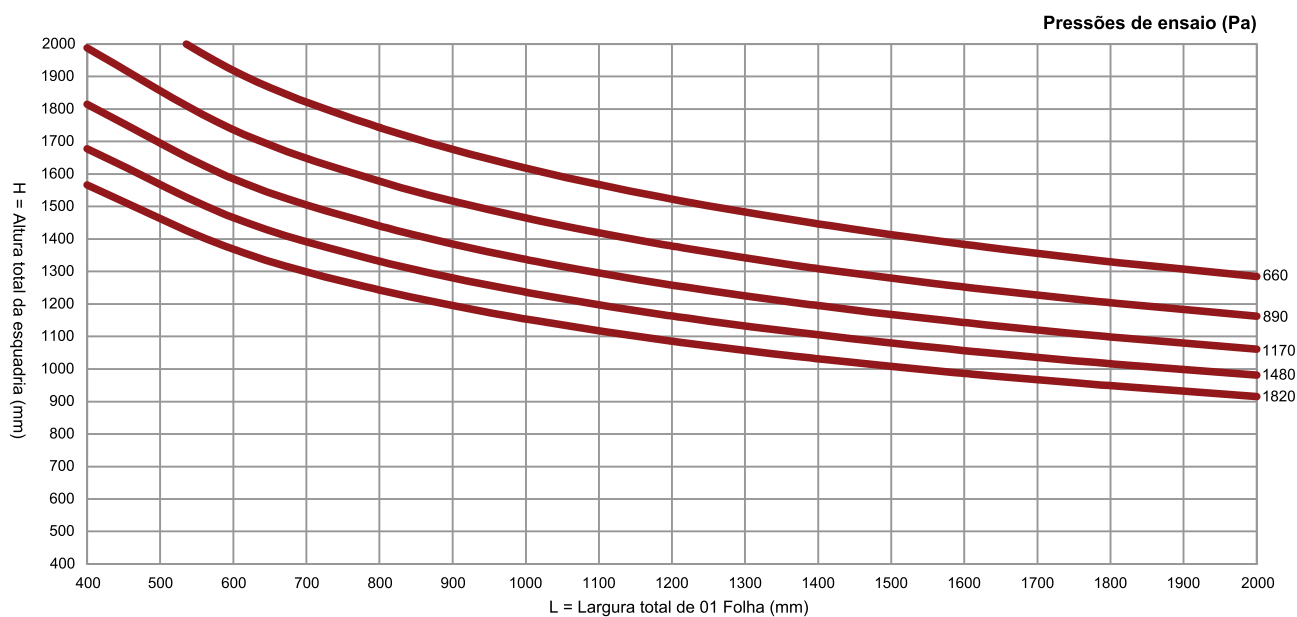
* Para cálculo dos vidros, devemos utilizar a pressão de segurança requerida para a esquadria, conforme orientado na ABNT NBR 7199 e ABNT NBR 10821.

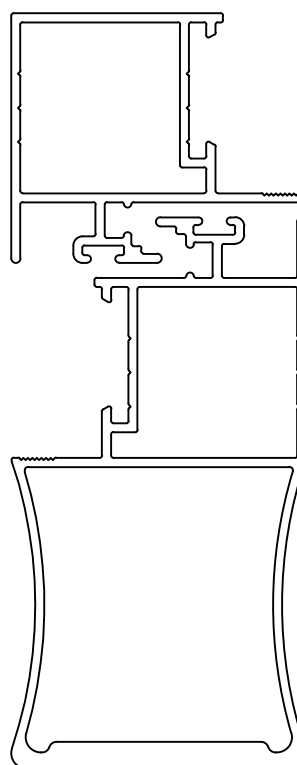
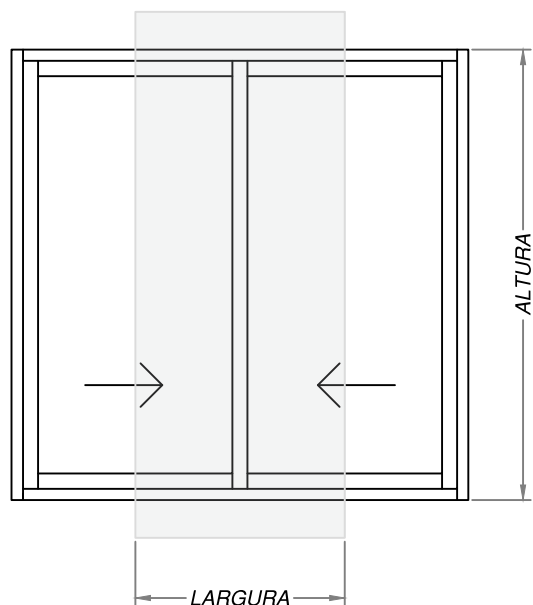


Jx= 2,20 cm⁴
Jy= 1,96 cm⁴
Wx= 1,29 cm³
Wy= 0,80 cm³

Jx= 2,44 cm⁴
Jy= 1,96 cm⁴
Wx= 1,37 cm³
Wy= 0,80 cm³

Jxt= 4,64 cm⁴
Wxt= 2,66 cm³

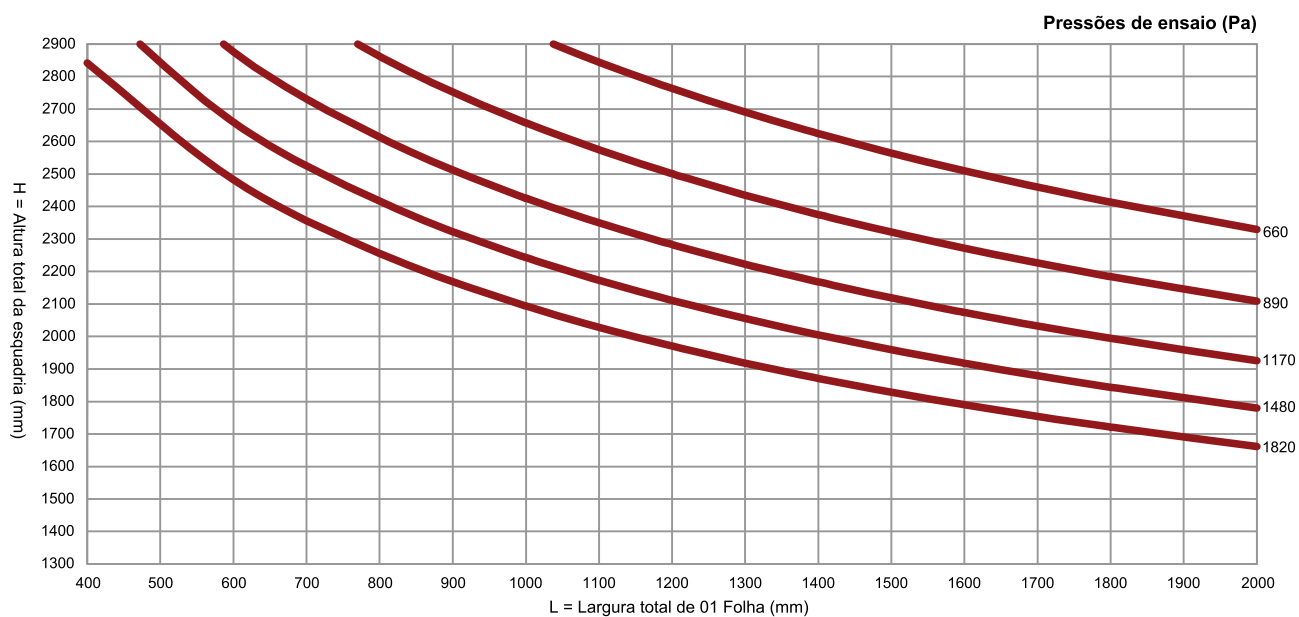


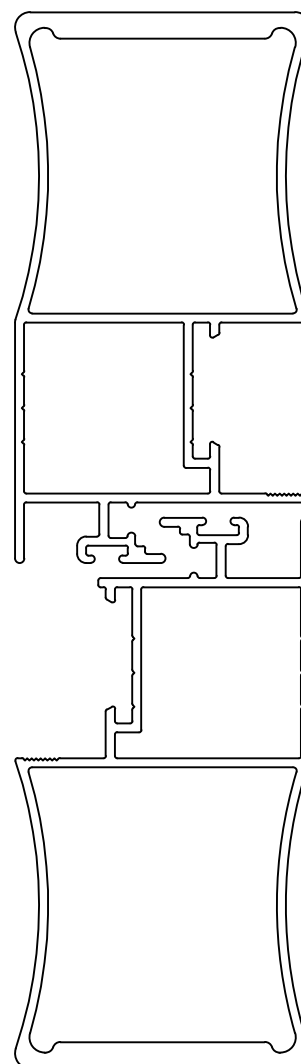
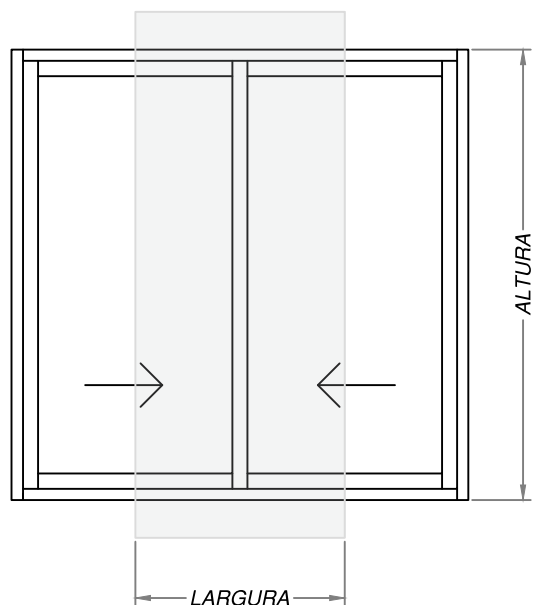


Jx= 2,20 cm⁴
Jy= 1,96 cm⁴
Wx= 1,29 cm³
Wy= 0,80 cm³

Jx= 25,52 cm⁴
Jy= 6,15 cm⁴
Wx= 6,01 cm³
Wy= 2,83 cm³

Jxt= 27,72 cm⁴
Wxt= 7,03 cm³

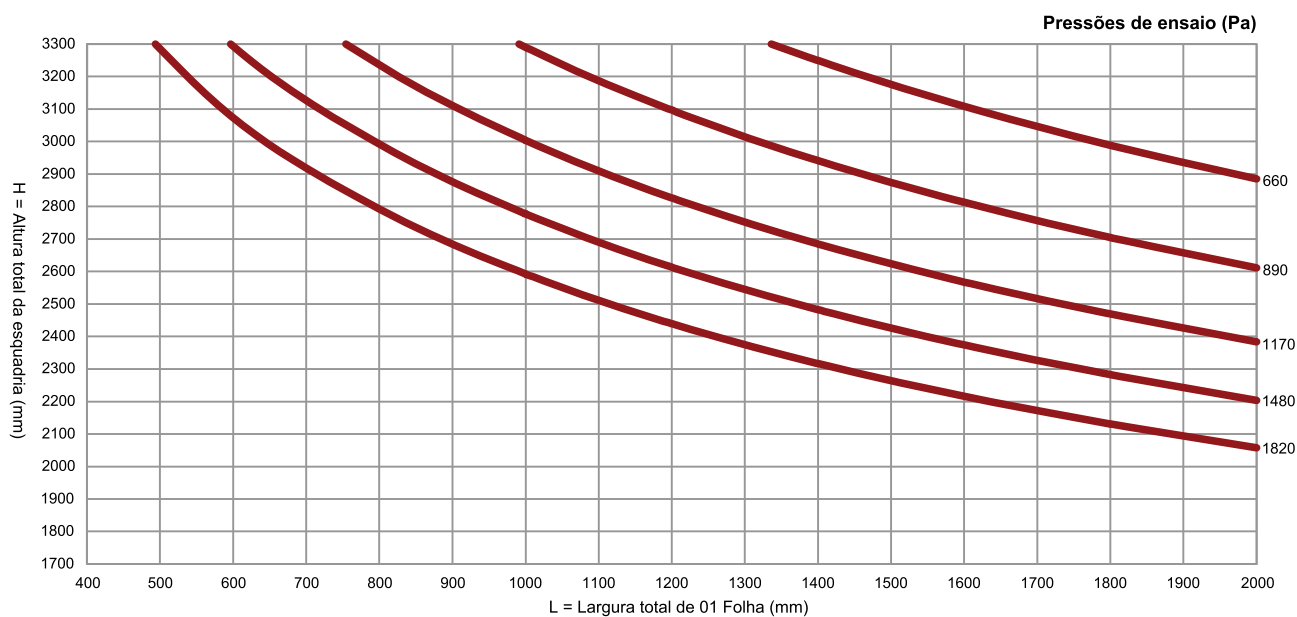


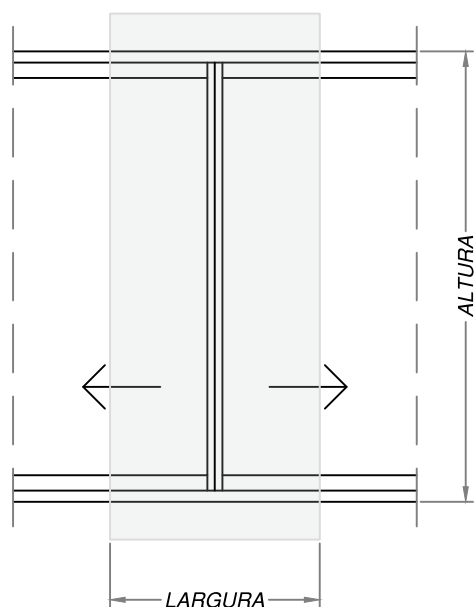


Jx= 27,09 cm⁴
 Jy= 6,50 cm⁴
 Wx= 6,56 cm³
 Wy= 3,06 cm³

Jx= 25,52 cm⁴
 Jy= 6,15 cm⁴
 Wx= 6,01 cm³
 Wy= 2,83 cm³

Jxt= 52,61 cm⁴
 Wxt= 12,57 cm³

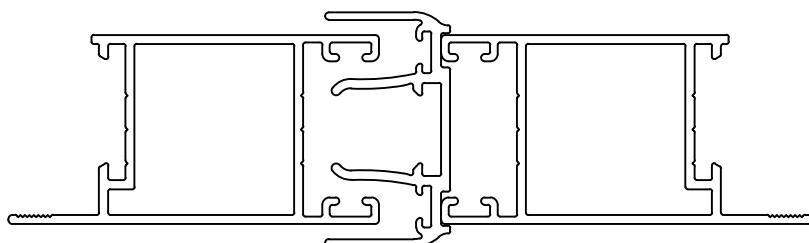




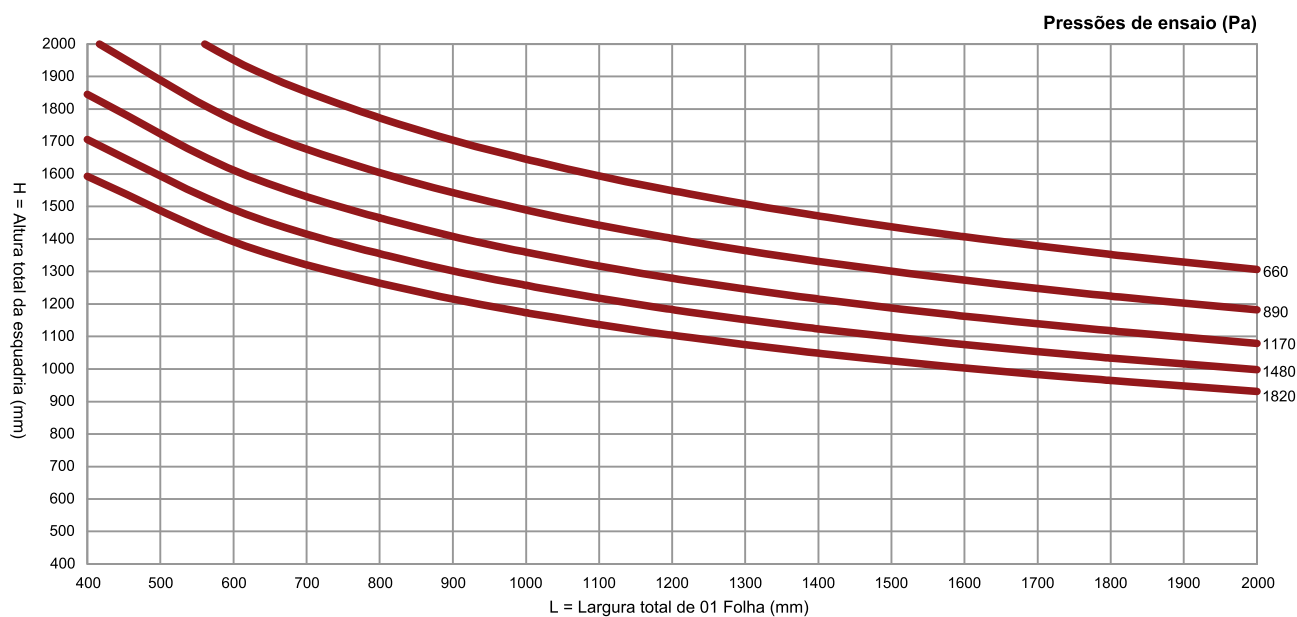
$J_x = 1,83 \text{ cm}^4$
 $J_y = 2,98 \text{ cm}^4$
 $W_x = 1,36 \text{ cm}^3$
 $W_y = 1,09 \text{ cm}^3$

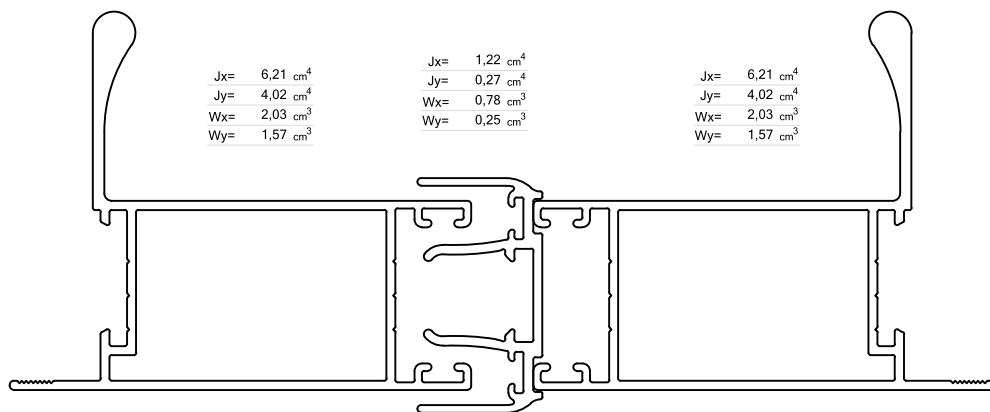
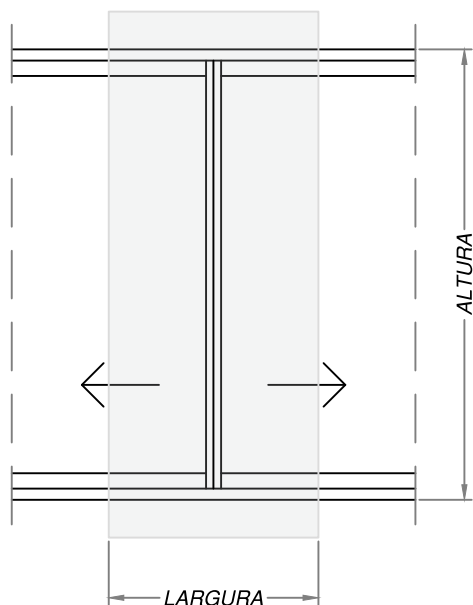
$J_x = 1,22 \text{ cm}^4$
 $J_y = 0,27 \text{ cm}^4$
 $W_x = 0,78 \text{ cm}^3$
 $W_y = 0,25 \text{ cm}^3$

$J_x = 1,83 \text{ cm}^4$
 $J_y = 2,98 \text{ cm}^4$
 $W_x = 1,36 \text{ cm}^3$
 $W_y = 1,09 \text{ cm}^3$



$J_{xt} = 4,88 \text{ cm}^4$
 $W_{xt} = 3,5 \text{ cm}^3$



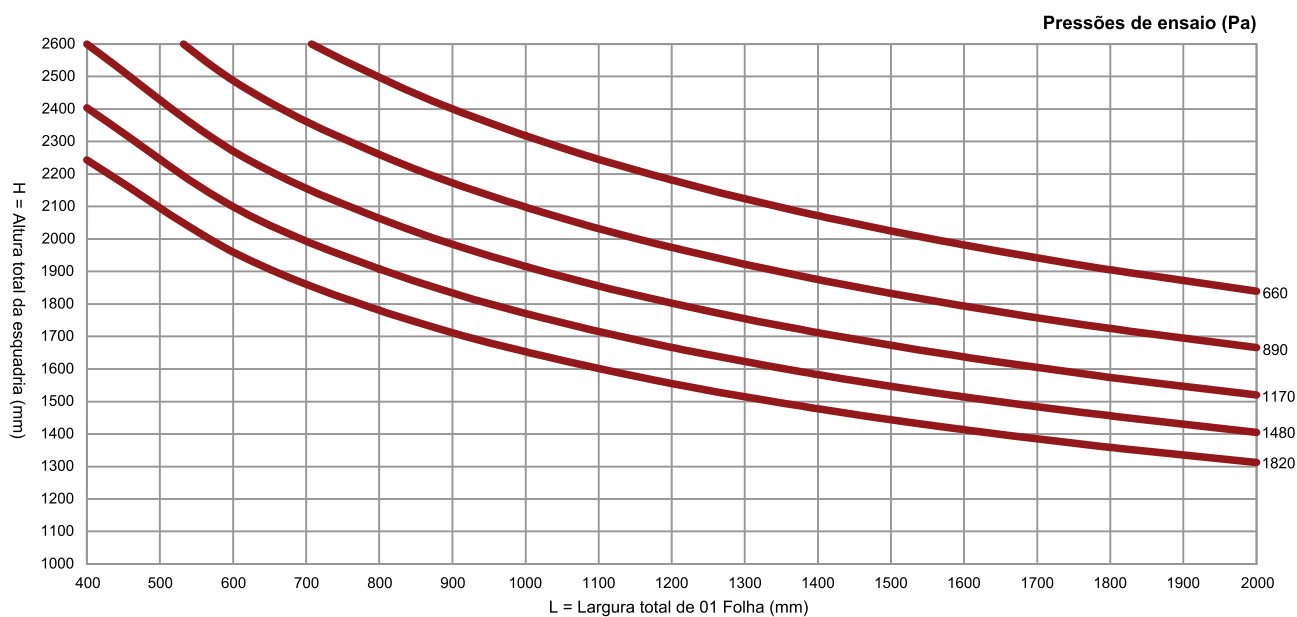


Jx= 6,21 cm⁴
Jy= 4,02 cm⁴
Wx= 2,03 cm³
Wy= 1,57 cm³

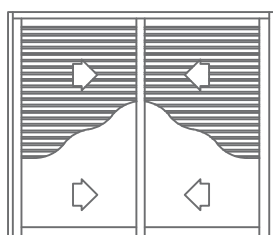
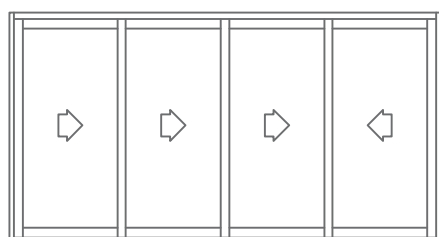
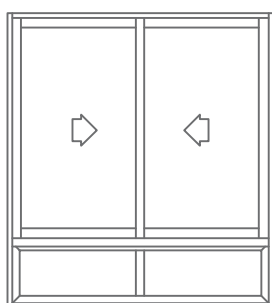
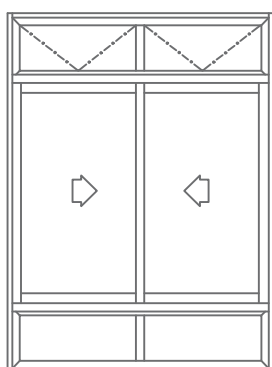
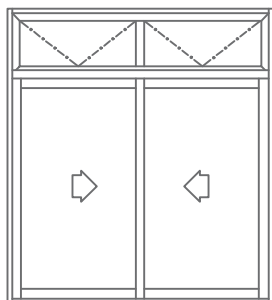
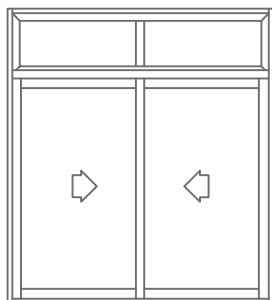
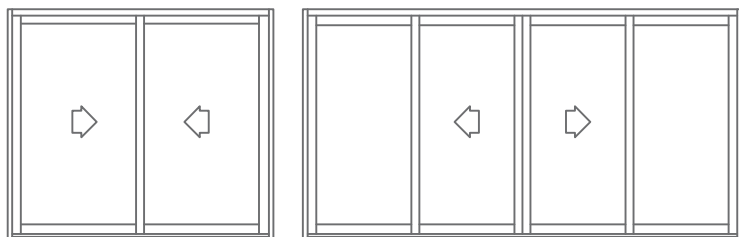
Jx= 1,22 cm⁴
Jy= 0,27 cm⁴
Wx= 0,78 cm³
Wy= 0,25 cm³

Jx= 6,21 cm⁴
Jy= 4,02 cm⁴
Wx= 2,03 cm³
Wy= 1,57 cm³

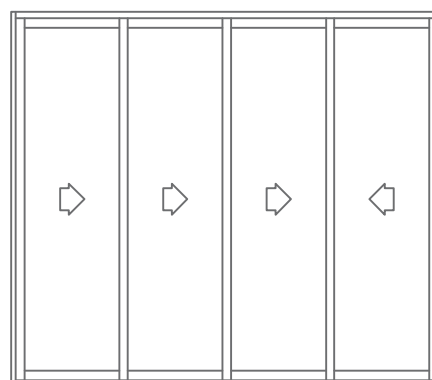
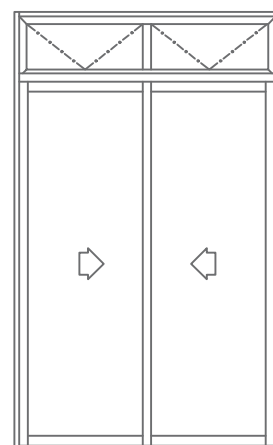
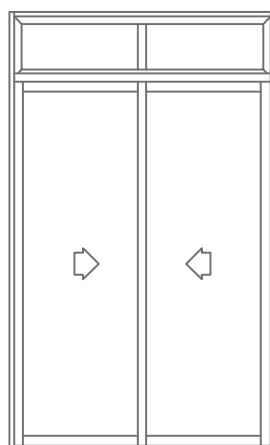
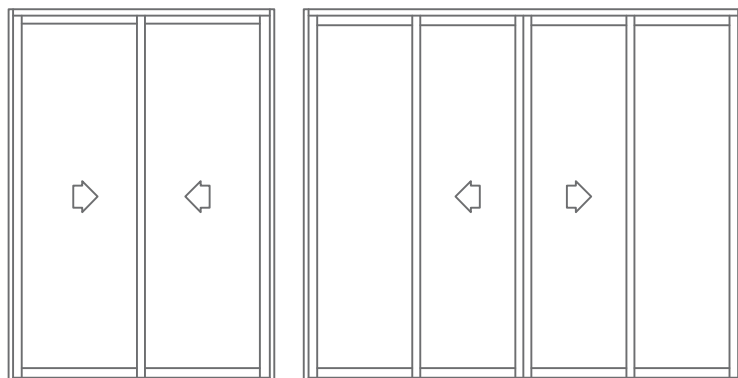
Jxt= 13,64 cm⁴
Wxt= 4,84 cm³



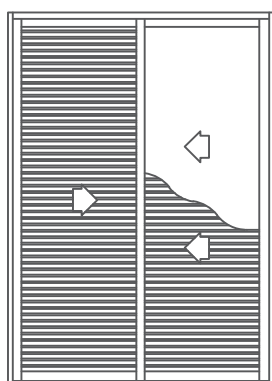
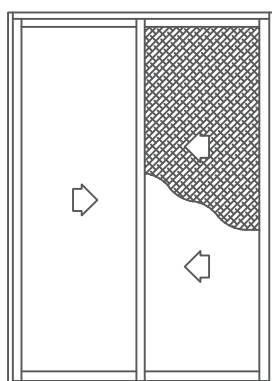
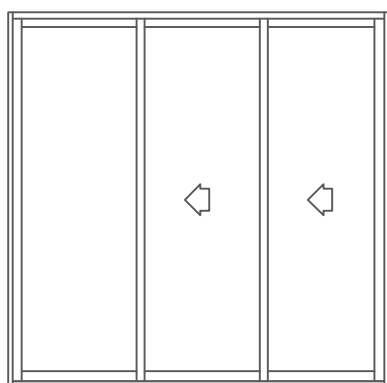
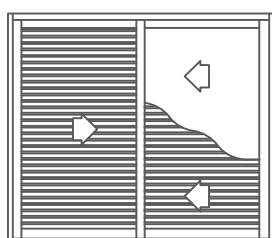
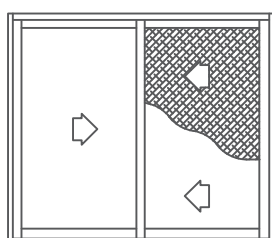
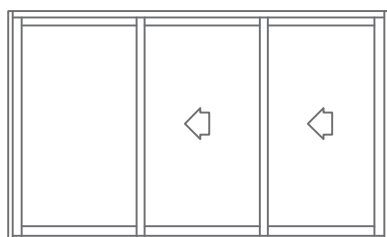
Janelas De Correr 2 e 4 Folhas



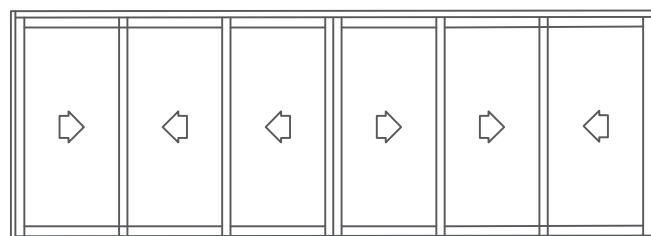
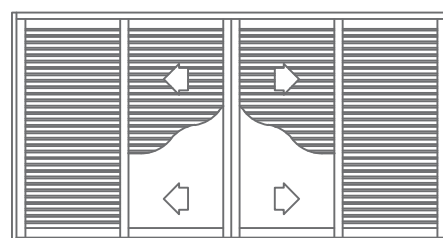
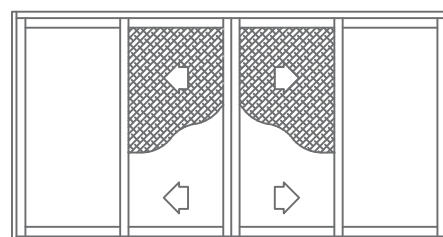
Portas De Correr 2 e 4 Folhas



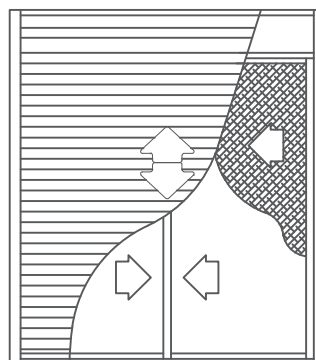
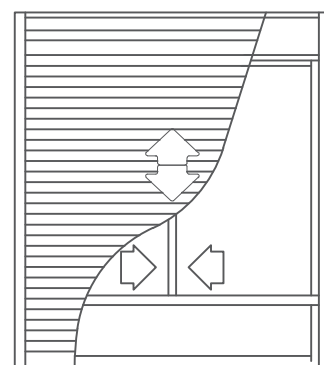
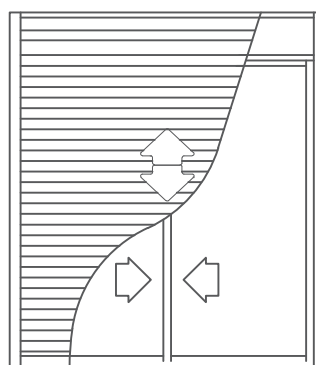
Janelas e Portas de Correr 3 Folhas



Janelas e Portas de Correr 6 Folhas



Janelas e Portas de Correr com Persiana Integrada

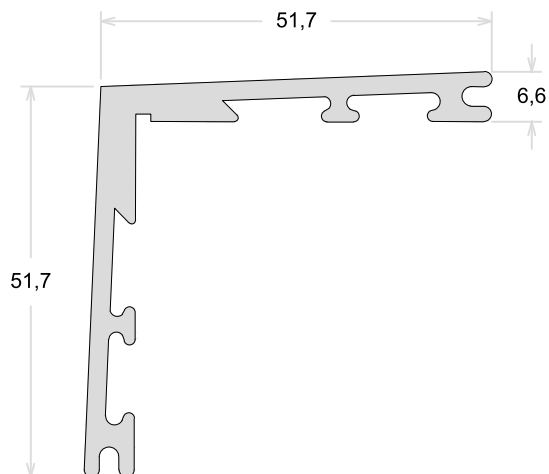


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CL-011	15	S25-123	41
CM-060	16	S25-124	39
CM-064	16	S25-125	36
CM-098	16	SOL-230	48
CM-175	15	SOL-007	47
SOL-578	21	SOL-008	44
SOL-580	25	SOL-017	42
SOL-313	17	SOL-031	47
SOL-315	17	SOL-039	45
SOL-347	17	S25-001	31
SOL-349	17	S25-002	31
S25-634	22	S25-003	31
SOL-008	43	S25-004	32
SOL-009	43	S25-005	32
SOL-011	43	S25-006	30
SOL-023	46	S25-007	30
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SOL-026	36	S25-009	30
SOL-039	45	S25-010	30
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S25-113	38	S25-013	34
S25-114	36	S25-014	34
S25-115	38	S25-015	34
S25-116	42	S25-016	34
S25-117	42	S25-017	34
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S25-121	40	S25-053	29

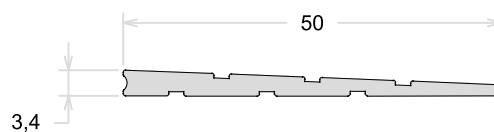
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S25-407	21	VZ-006VT	50
S25-409	22	VZ-082	50
S25-410	23	VZ-082VT	50
S25-411	23	VZ-106	51
S25-412	24	VZ-106VT	51
S25-418	26		
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S25-225	29		
S25-226	33		

CL-006

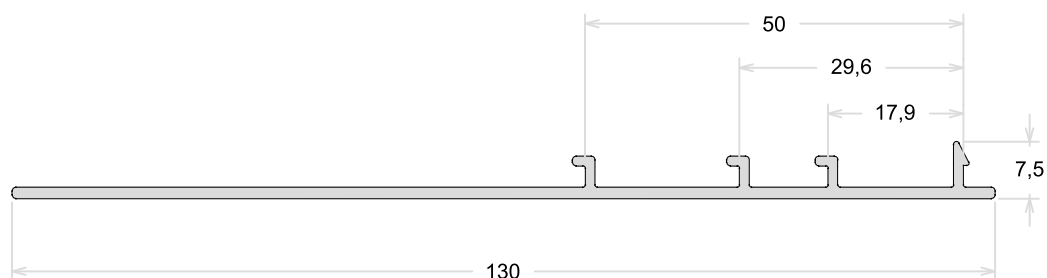
PESO 1,114 kg/m
Cantoneira 45°

**CL-011**

PESO 0,330 kg/m
Cunha 45°

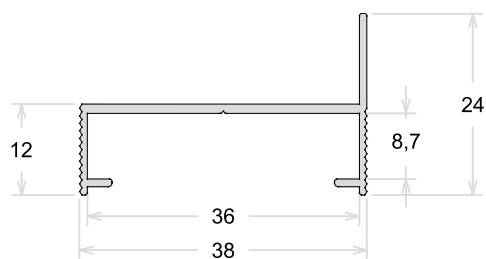
**CM-175**

PESO 0,652 kg/m
Chumbador Contramarco

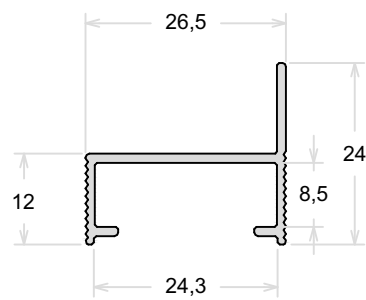


CM-060

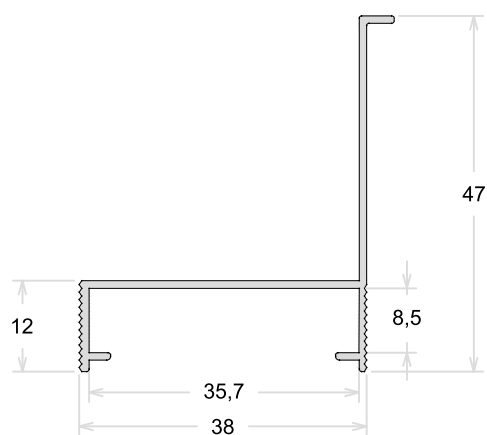
PESO 0,238 kg/m
Contramarco

**CM-064**

PESO 0,214 kg/m
Contramarco

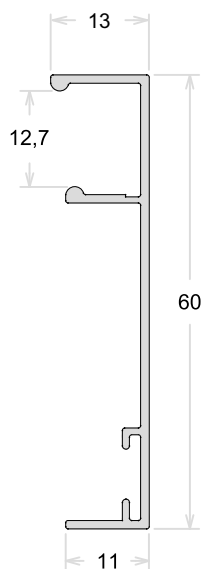
**CM-098**

PESO 0,301 kg/m
Contramarco

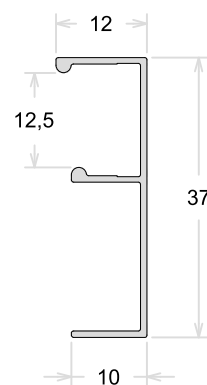


SOL-349

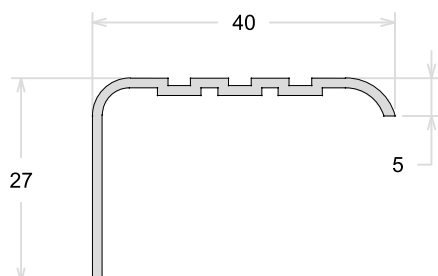
PESO 0,318 kg/m
Arremate

**SOL-347**

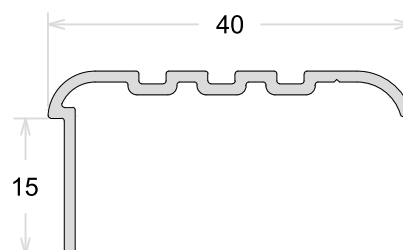
PESO 0,180 kg/m
Arremate

**SOL-313**

PESO 0,270 kg/m
Arremate de Piso

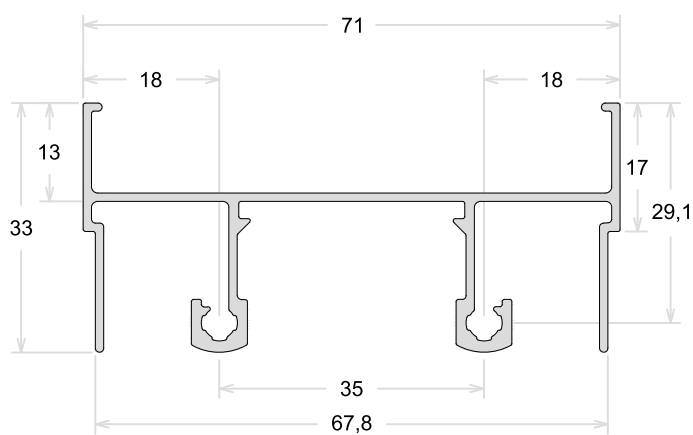
**SOL-315**

PESO 0,235 kg/m
Acabamento Do Trilho

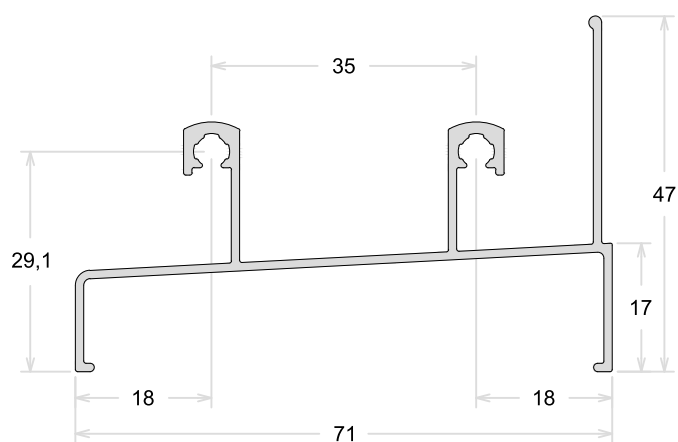


S25-401

PESO 0,791 kg/m
Marco Superior

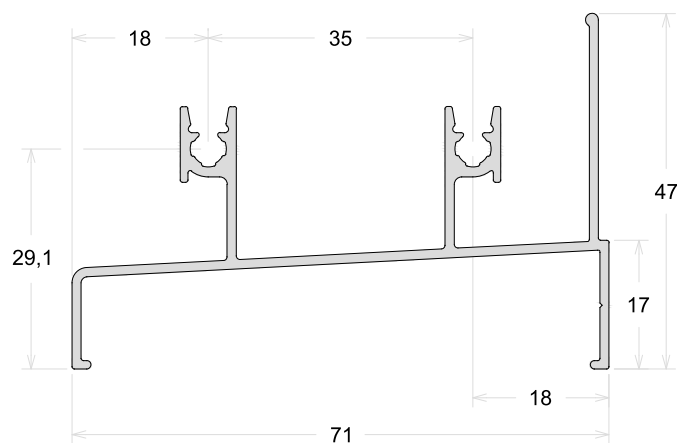
**S25-402**

PESO 0,654 kg/m
Marco Inferior

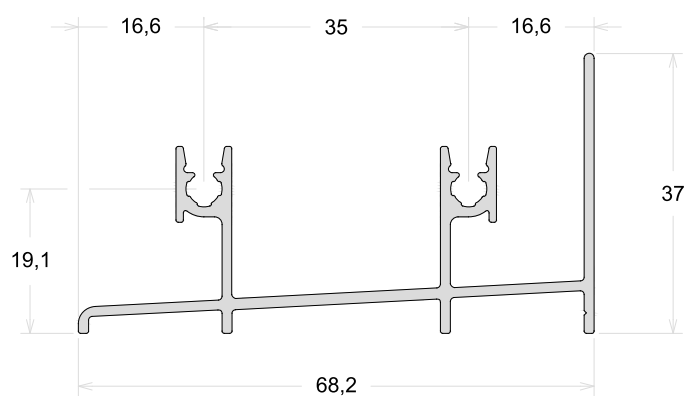


S25-130

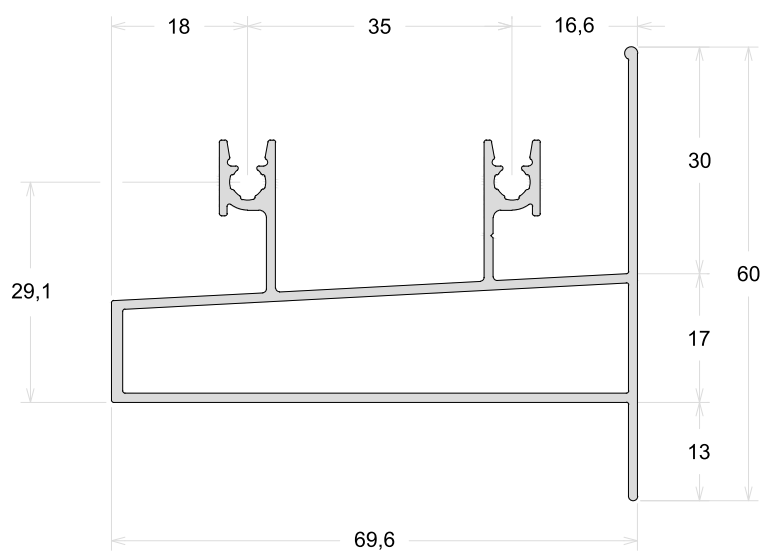
PESO 0,732 kg/m
Marco Inferior

**S25-131**

PESO 0,720 kg/m
Marco Inferior

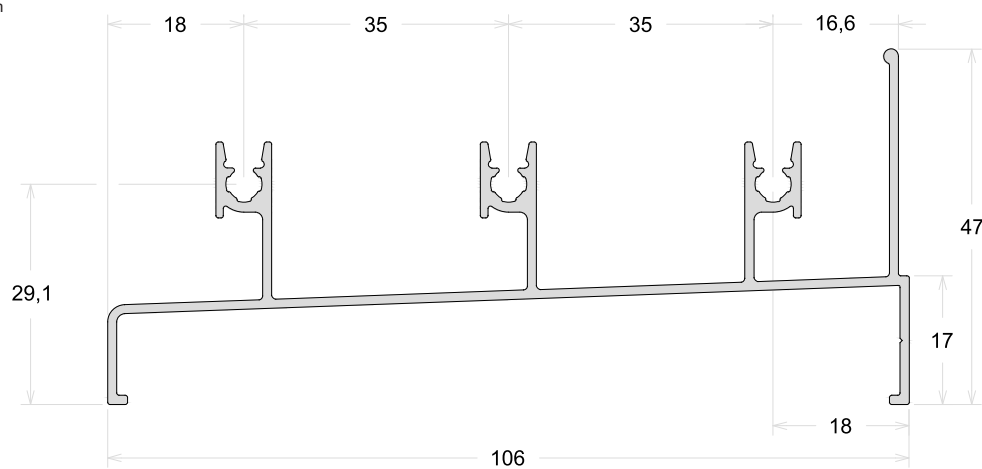
**S25-132**

PESO 1,011 kg/m
Travessa Peitoril

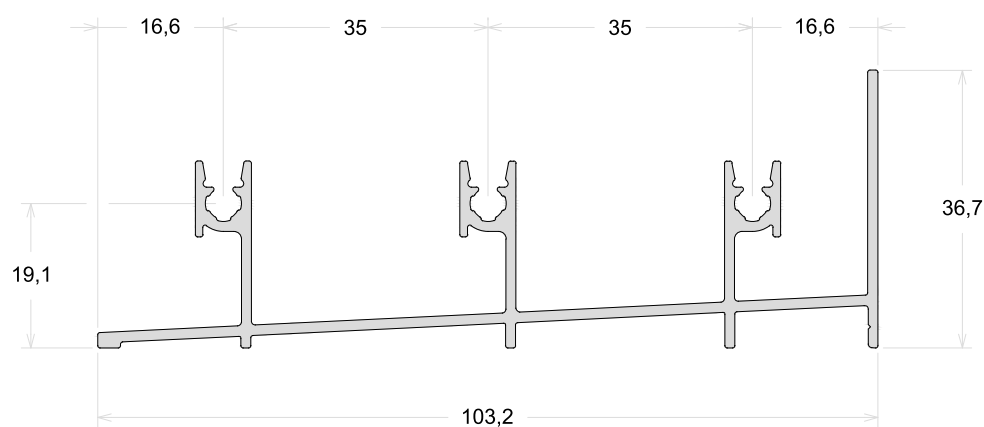


S25-133

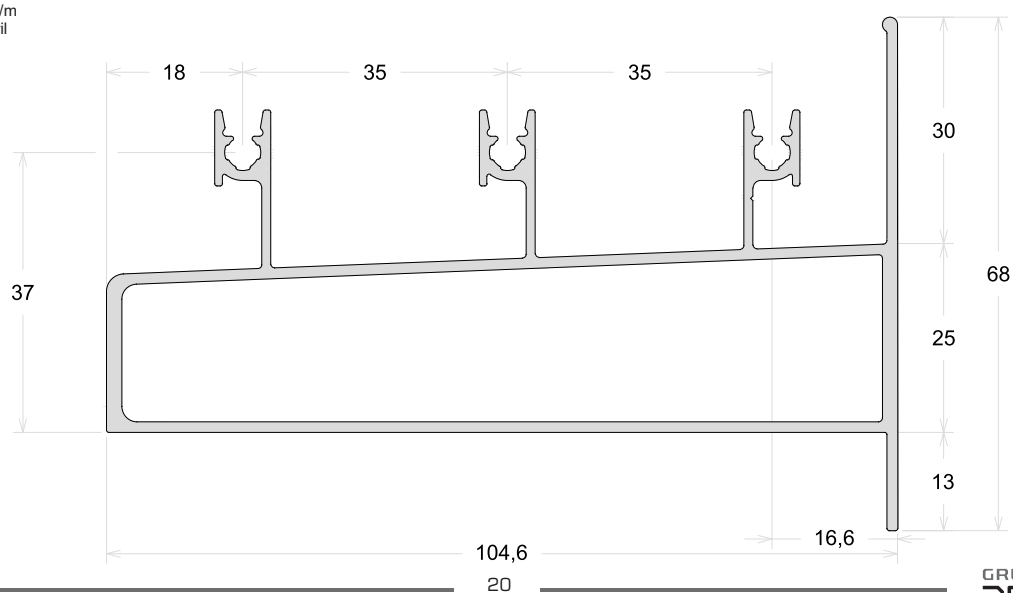
PESO 0,996 kg/m
Marco Inferior

**S25-134**

PESO 1,026 kg/m
Marco Inferior

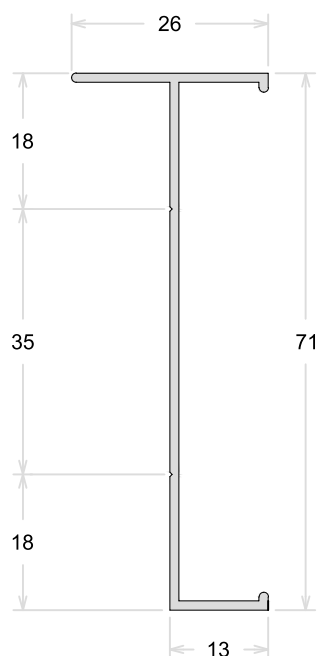
**S25-135**

PESO 1,679 kg/m
Travessa Peitoril

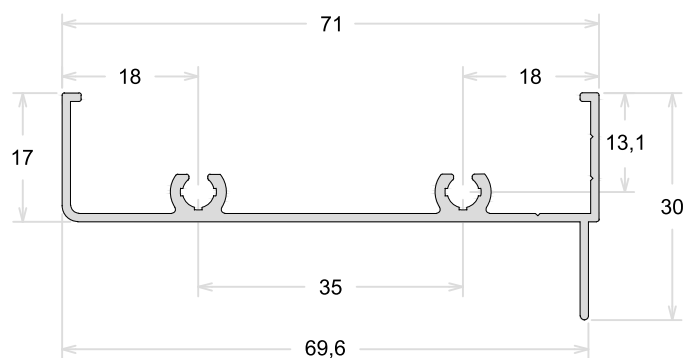


S25-407

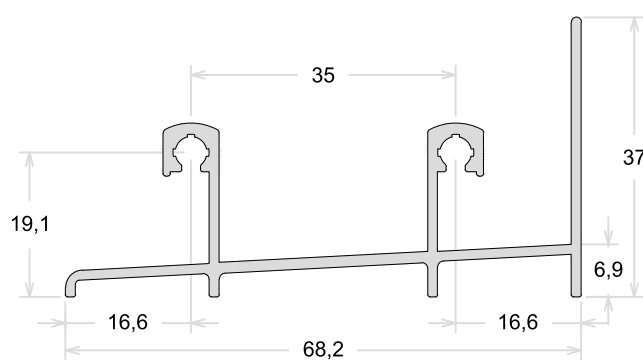
PESO 0,380 kg/m
Marco Lateral Liso

**S25-404**

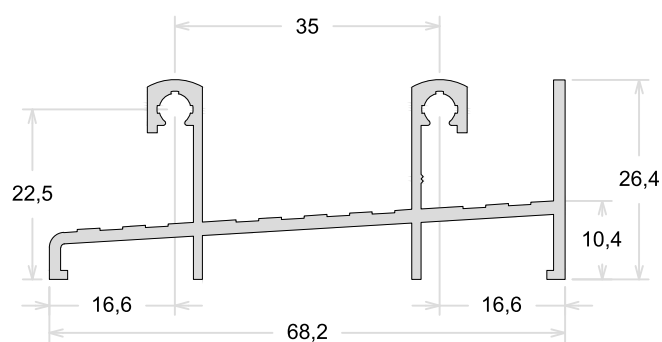
PESO 0,499 kg/m
Marco Bandeira / Peitoril

**S25-228**

PESO 0,695 kg/m
Marco Inferior

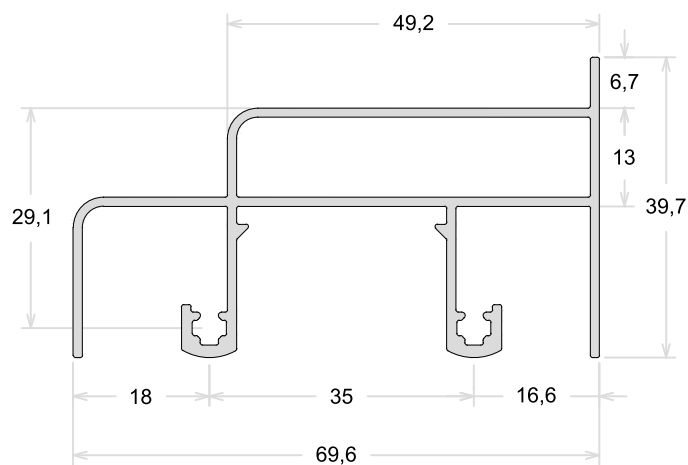
**S25-578 ***

PESO 0,753 kg/m
Marco Inferior

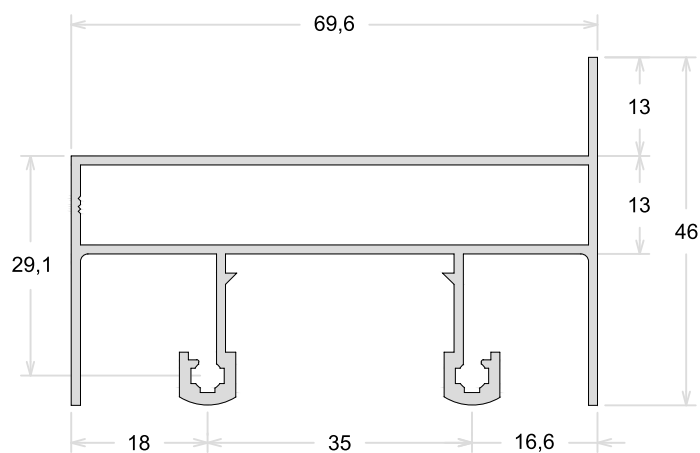


S25-405

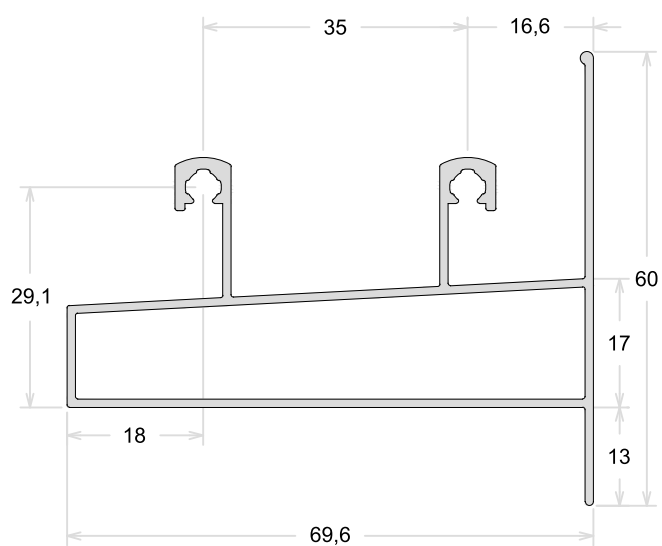
PESO 0,905 kg/m
Travessa Intermediária Bandeira

**S25-634**

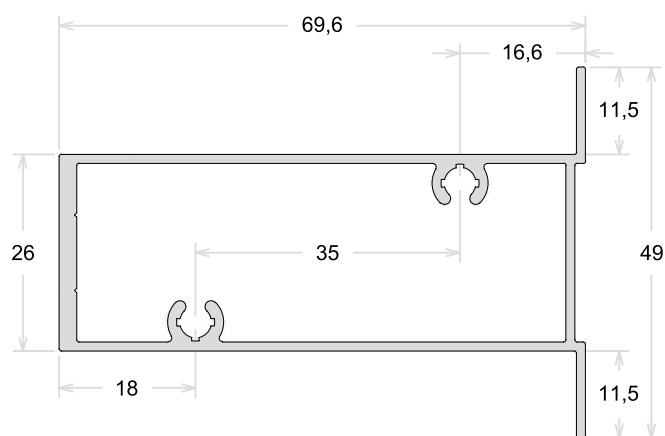
PESO 1,017 kg/m
Travessa Intermediária

**S25-406**

PESO 0,899 kg/m
Travessa Intermediária Peitoril

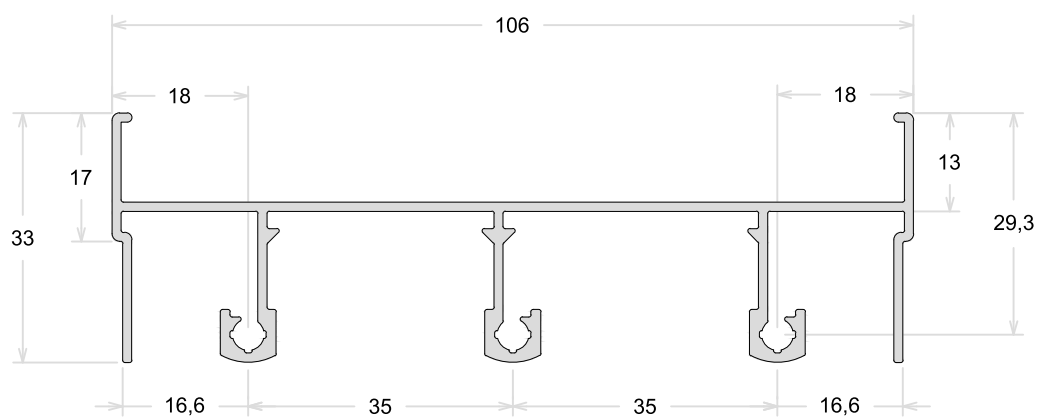
**S25-409**

PESO 0,953 kg/m
Coluna

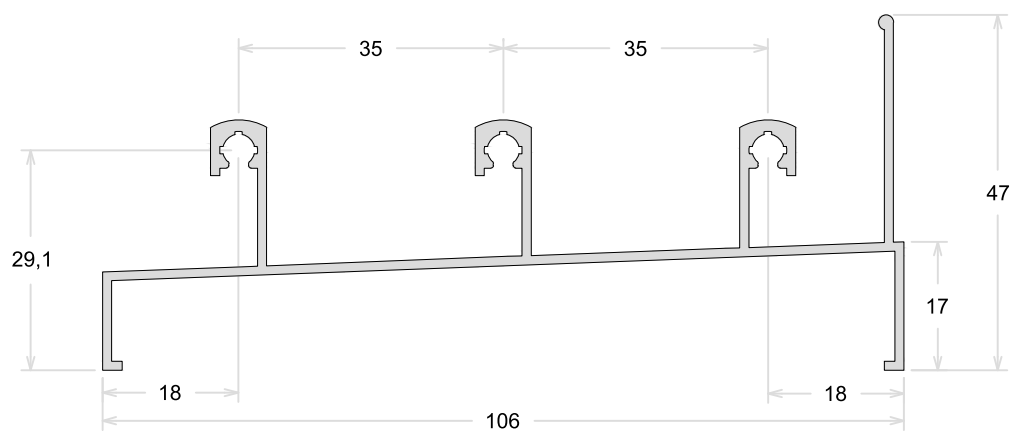


S25-410

PESO 1,061 kg/m
Marco Superior

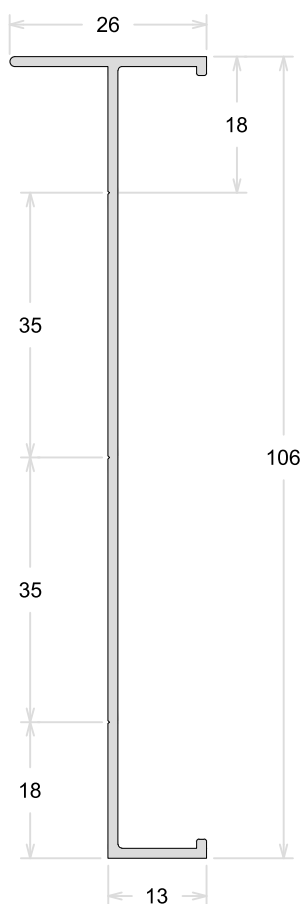
**S25-411**

PESO 0,963 kg/m
Marco Inferior

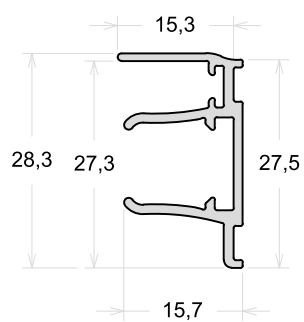


S25-412

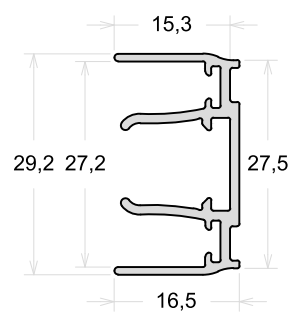
PESO 0,567
Marco Lateral Liso

**S25-011**

PESO 0,273 kg/m
Mata Junta

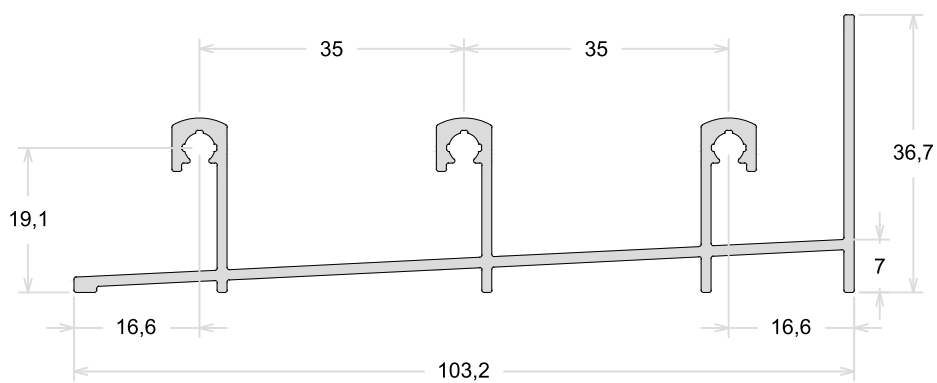
**S25-012**

PESO 0,320 kg/m
Mata Junta Central

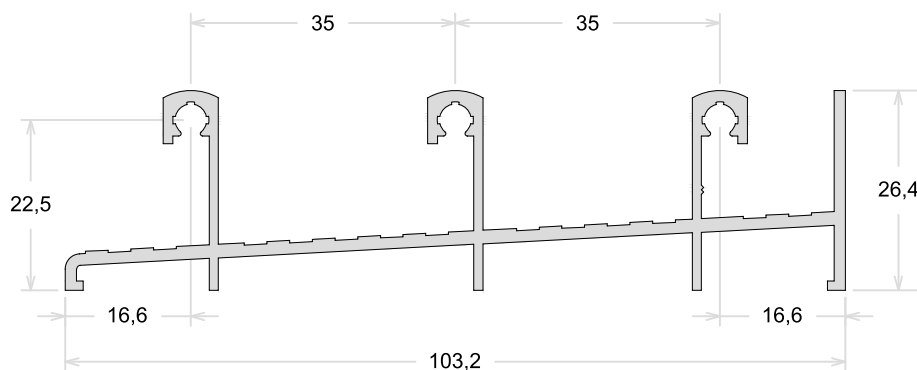


S25-230

PESO 0,985 kg/m
Marco Inferior

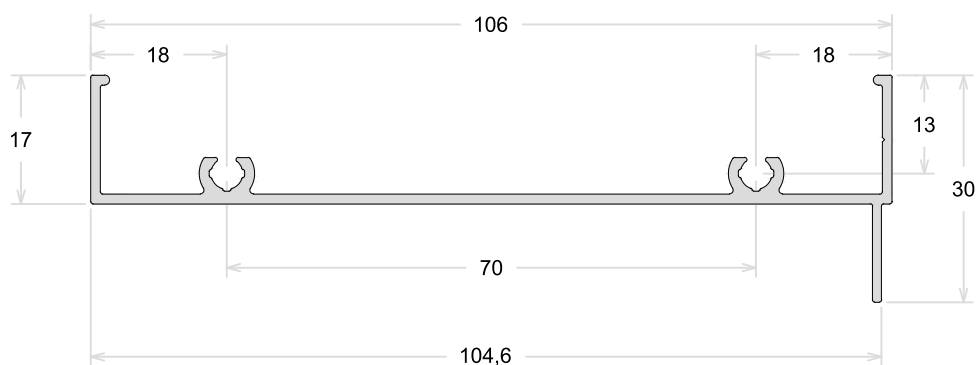
**S25-580**

PESO 1,062 kg/m
Marco Inferior

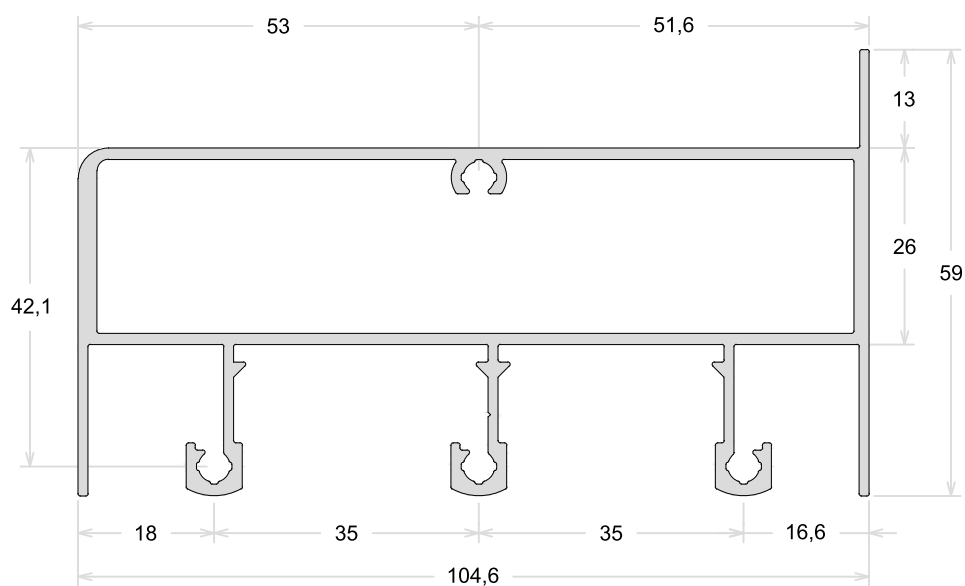


S25-418

PESO 0,675 kg/m
Marco Bandeira / Peitoril

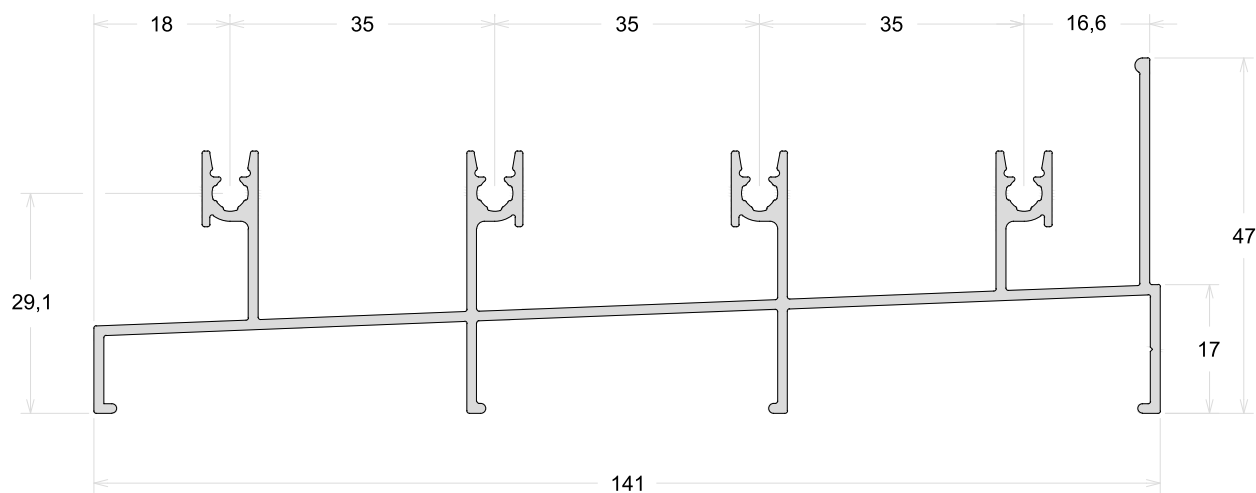
**S25-419 ***

PESO 1,885 kg/m
Travessa Intermediária Bandeira

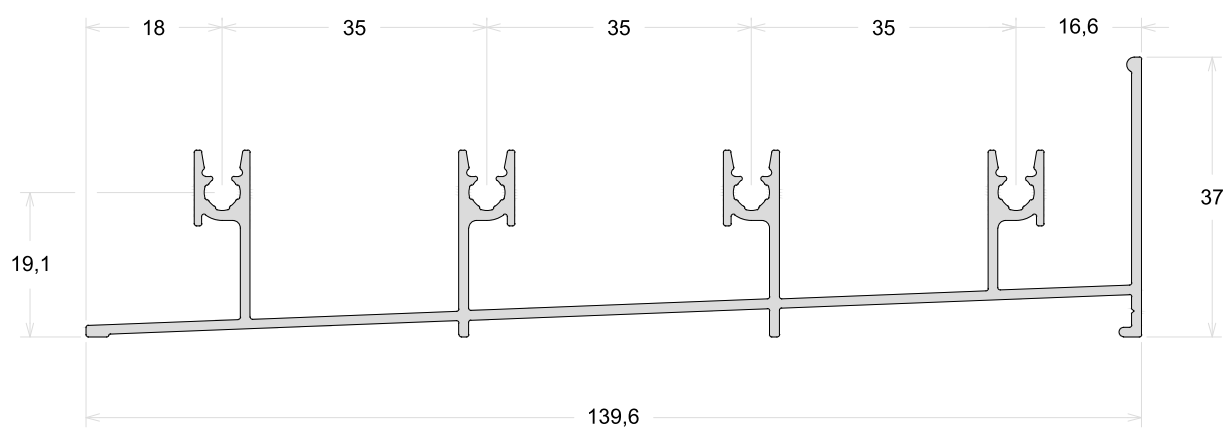


S25-136

PESO 1,441 kg/m
Marco Inferior

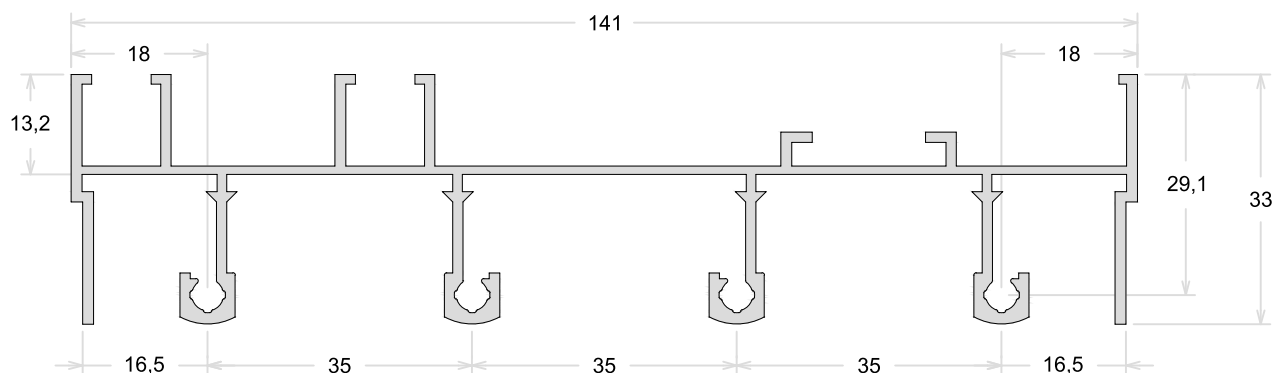
**S25-137**

PESO 1,258 kg/m
Marco Inferior

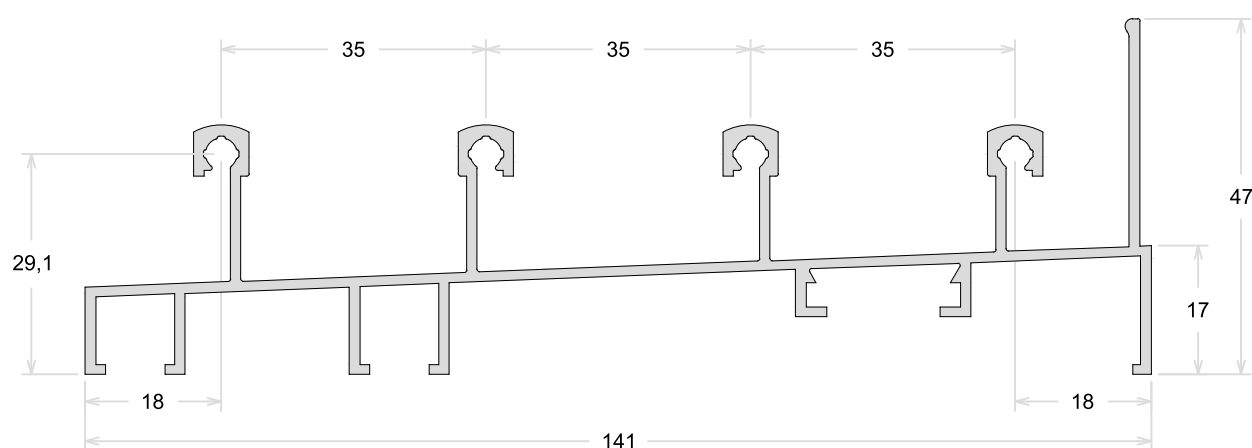


S25-421

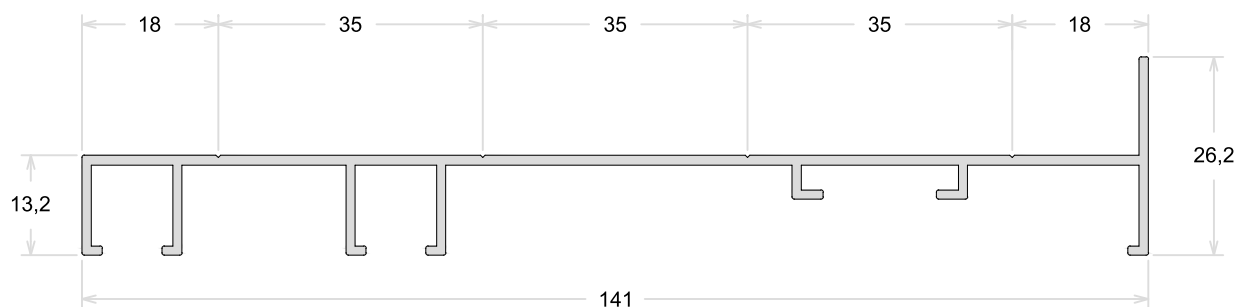
PESO 1,519 kg/m
Marco Superior

**S25-422**

PESO 1,535 kg/m
Marco Inferior

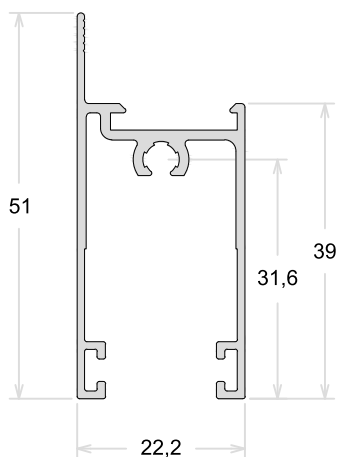
**S25-423**

PESO 0,858 kg/m
Marco Lateral Liso

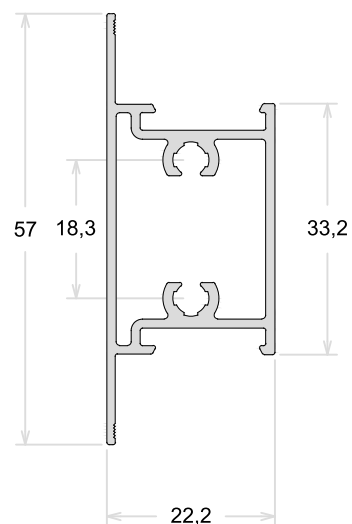


S25-053

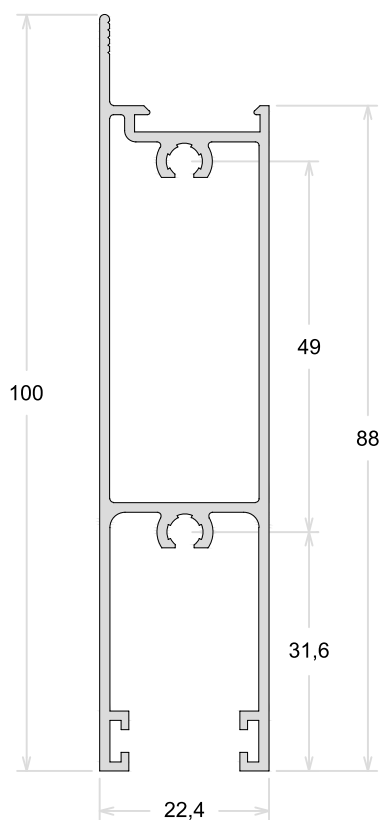
PESO 0,520 kg/m
Folha Horizontal

**S25-227**

PESO 0,581 kg/m
Travessa 57mm

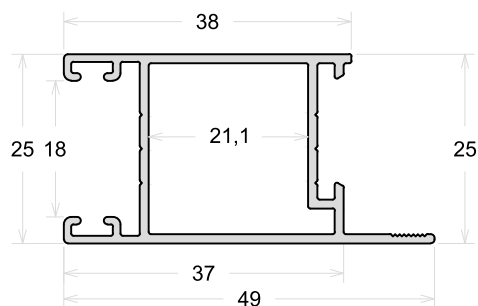
**S25-225**

PESO 1,033 kg/m
Folha Horizontal

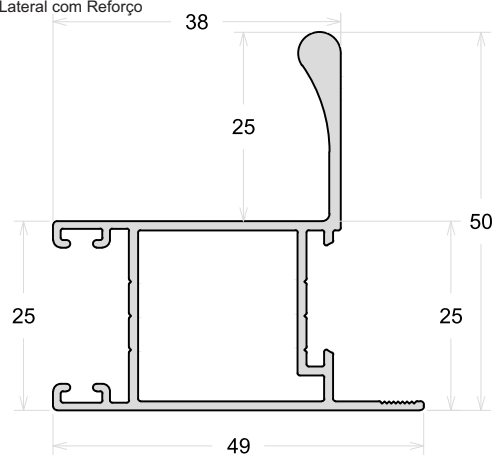


S25-006

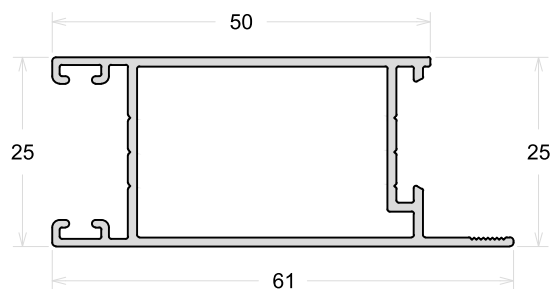
PESO 0,500 kg/m
Folha Lateral

**S25-008 ***

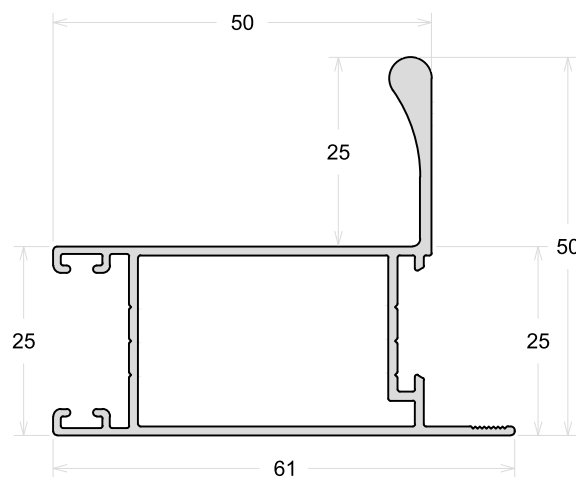
PESO 0,686 kg/m
Folha Lateral com Reforço

**S25-007**

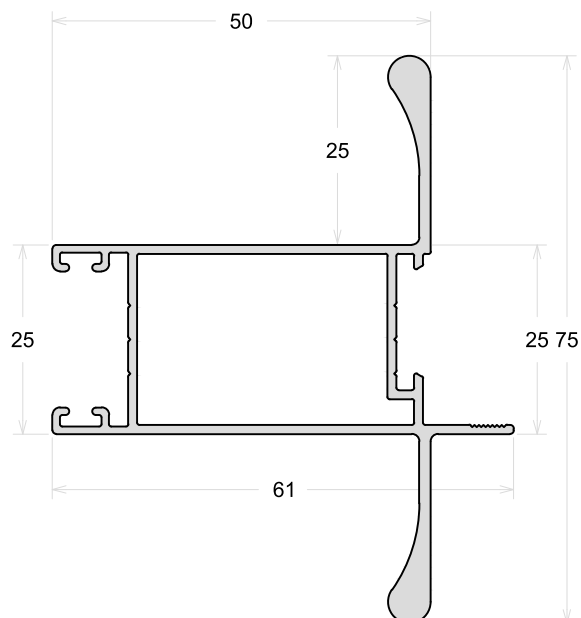
PESO 0,582 kg/m
Folha Lateral

**S25-009 ***

PESO 0,768 kg/m
Folha Lateral com Reforço

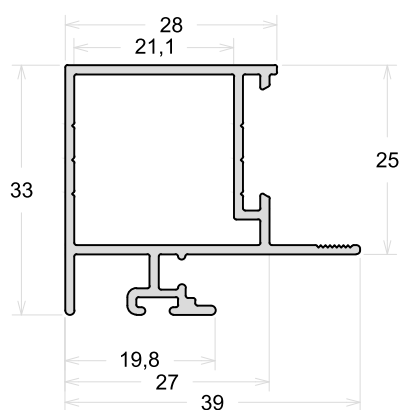
**S25-010**

PESO 0,955 kg/m
Folha Lateral Com Reforço

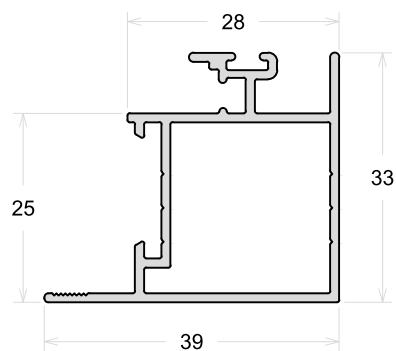


S25-002

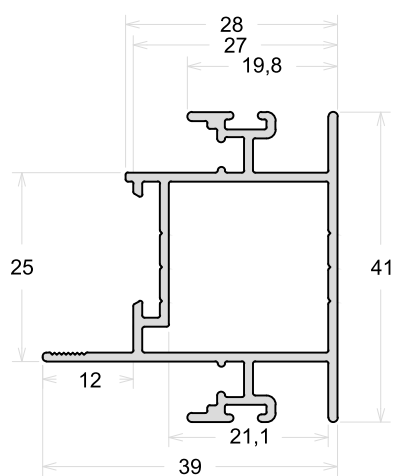
PESO 0,510 kg/m
Mão de Amigo Interno

**S25-001**

PESO 0,510 kg/m
Mão de Amigo Externo

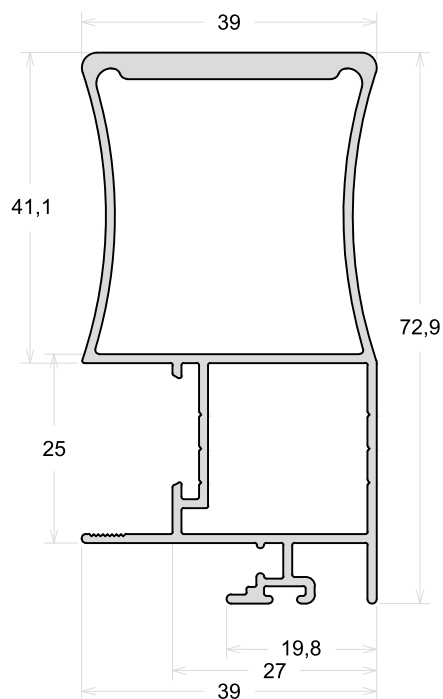
**S25-003**

PESO 0,617 kg/m
Mão de Amigo Central

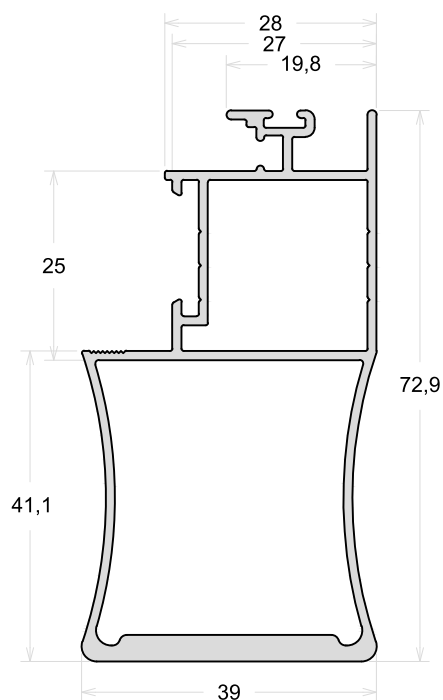


S25-005

PESO 1,163 kg/m
Mão de Amigo Interno com Reforço

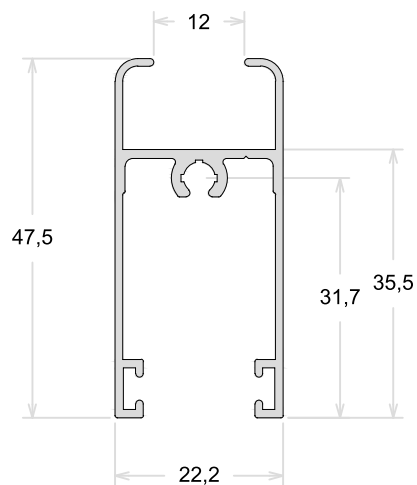
**S25-004**

PESO 1,125 kg/m
Mão de Amigo Externo com Reforço

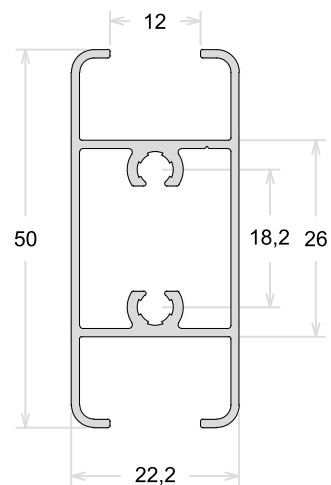


S25-186 *

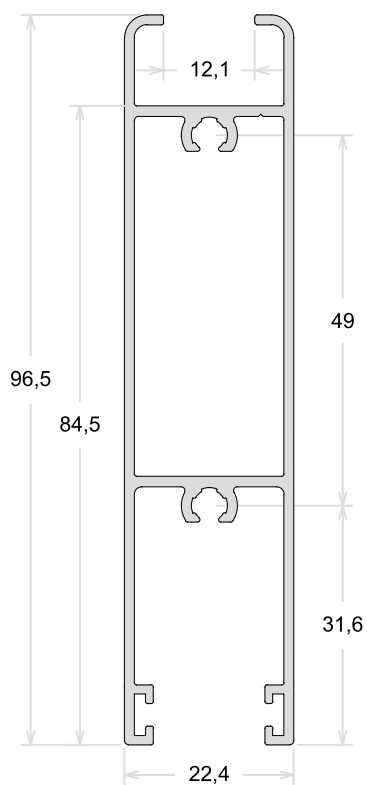
PESO 0,511 Kg/m
Folha Horizontal sem Baguete

**S25-188 ***

PESO 0,616 kg/m
Travessa 50mm sem Baguete

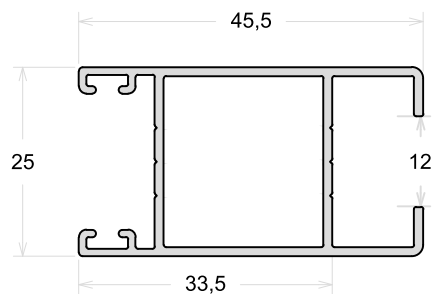
**S25-226 ***

PESO 1,124 kg/m
Folha Horizontal sem Baguete

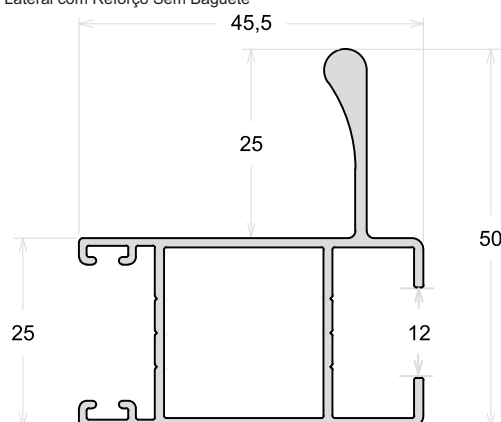


S25-013 *

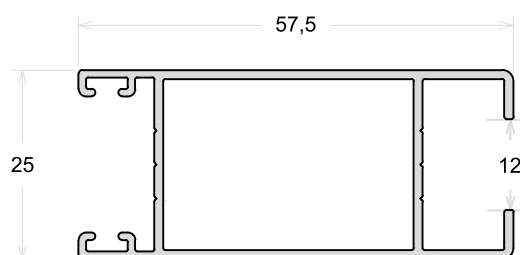
PESO 0,525 kg/m
Folha Lateral Sem Baguete

**S25-014 ***

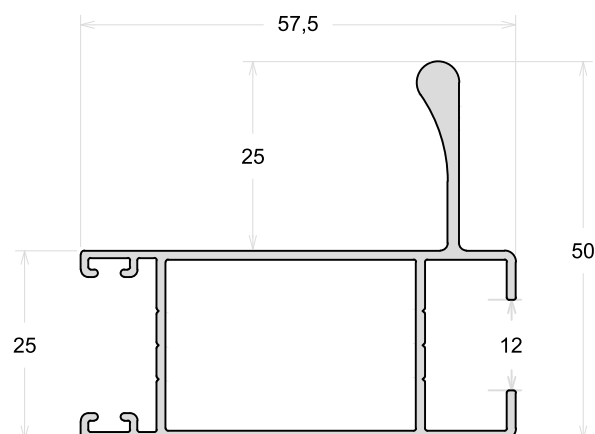
PESO 0,711 kg/m
Folha Lateral com Reforço Sem Baguete

**S25-015 ***

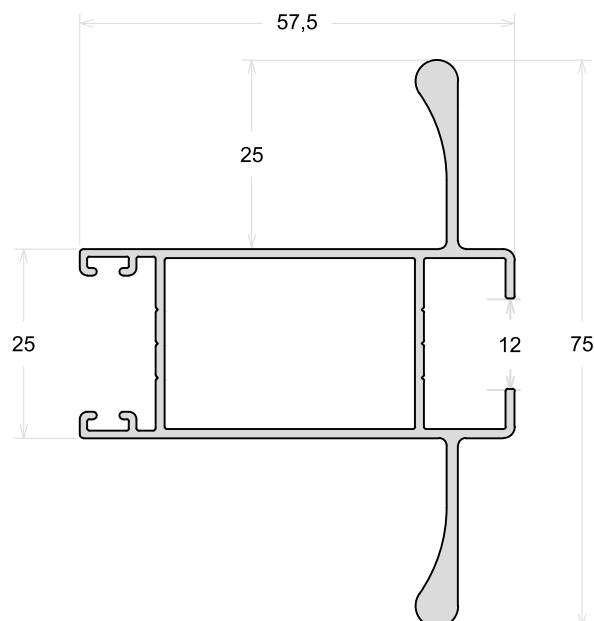
PESO 0,606 kg/m
Folha Lateral Sem Baguete

**S25-016 ***

PESO 0,793 kg/m
Folha Lateral com Reforço Sem Baguete

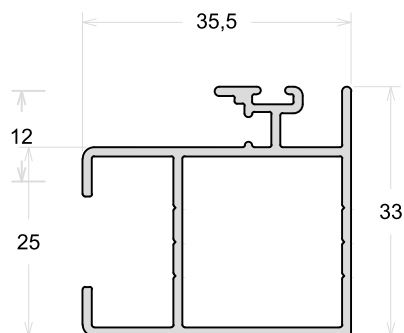
**S25-017 ***

PESO 0,980 kg/m
Folha Lateral com Reforço Sem Baguete

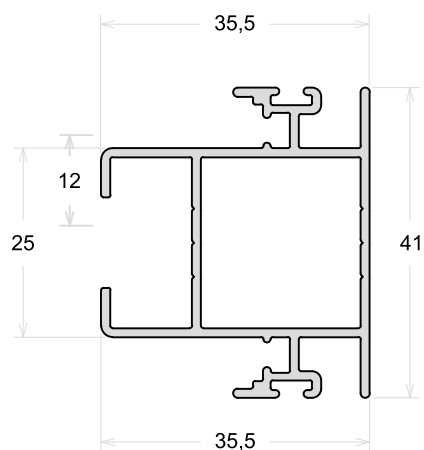


S25-018 *

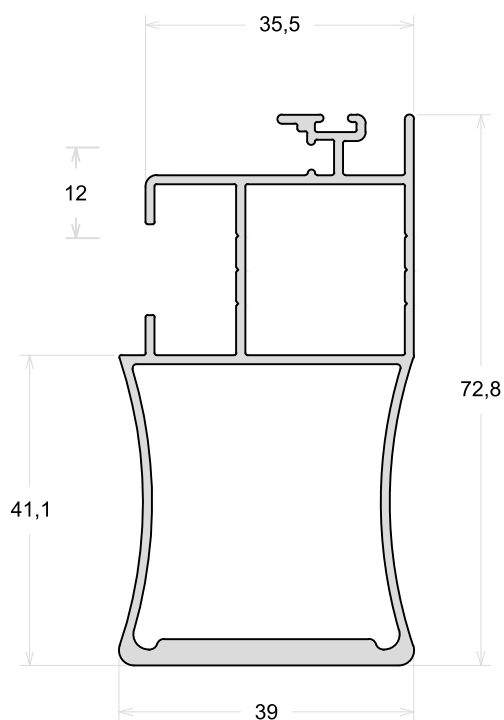
PESO 0,534 kg/m
Mão de Amigo Sem Baguele

**S25-019 ***

PESO 0,641 kg/m
Mão de Amigo Central Sem Baguele

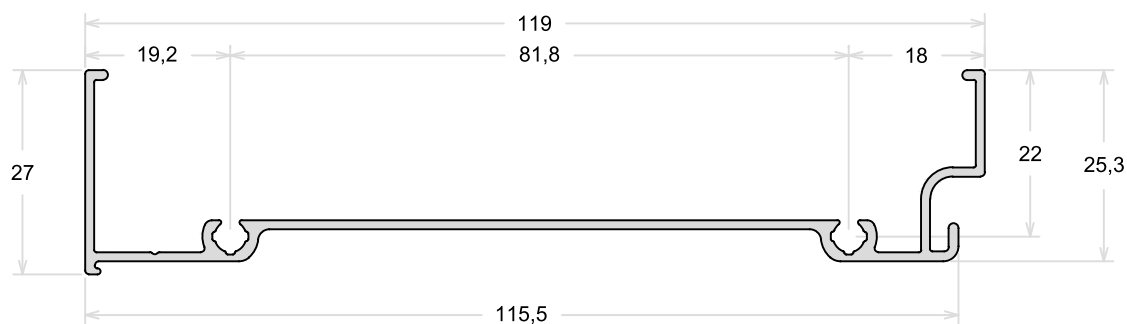
**S25-020 ***

PESO 1,163 kg/m
Mão de Amigo com Reforço Sem Baguele

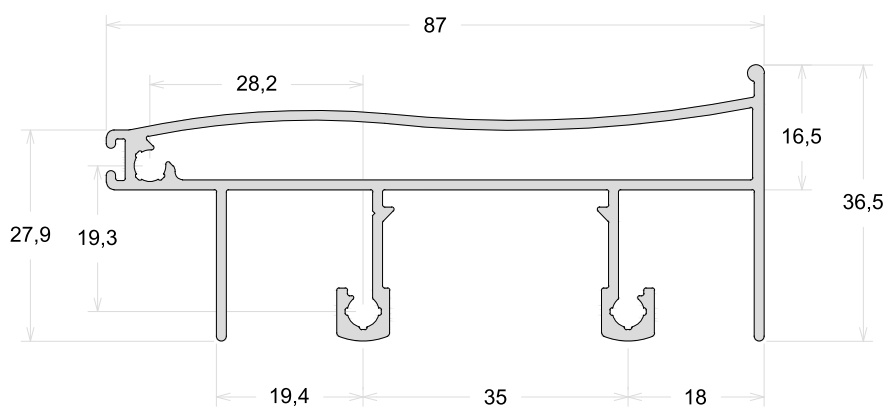


S25-114

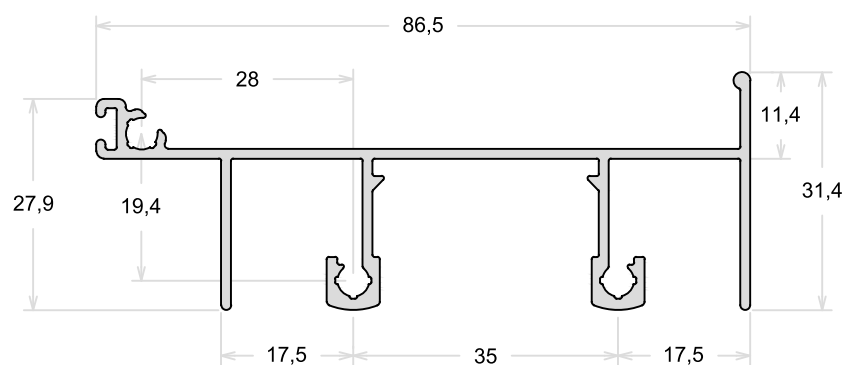
PESO 0,701 kg/m
Marco Superior

**S25-125**

PESO 1,194 kg/m
Travessa Intermediária

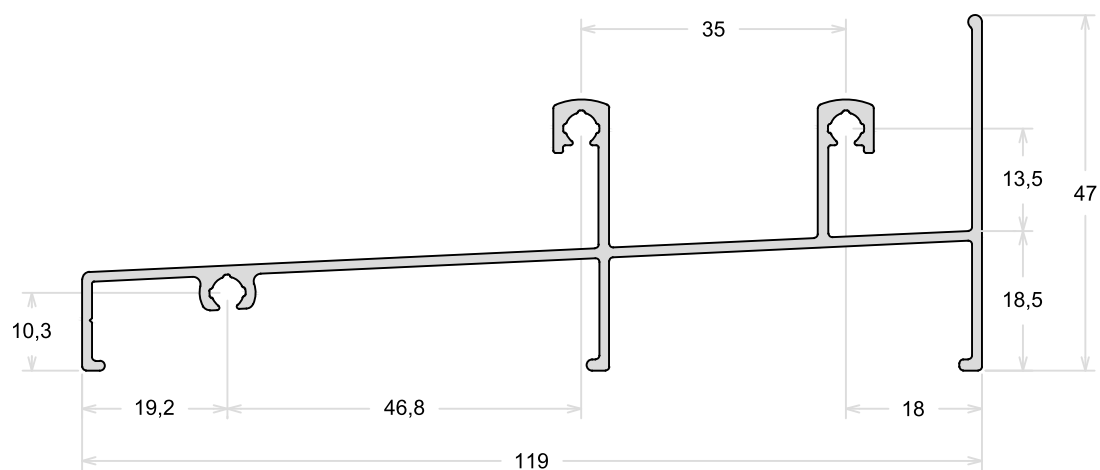
**S25-026**

PESO 0,849 kg/m
Travessa Intermediária

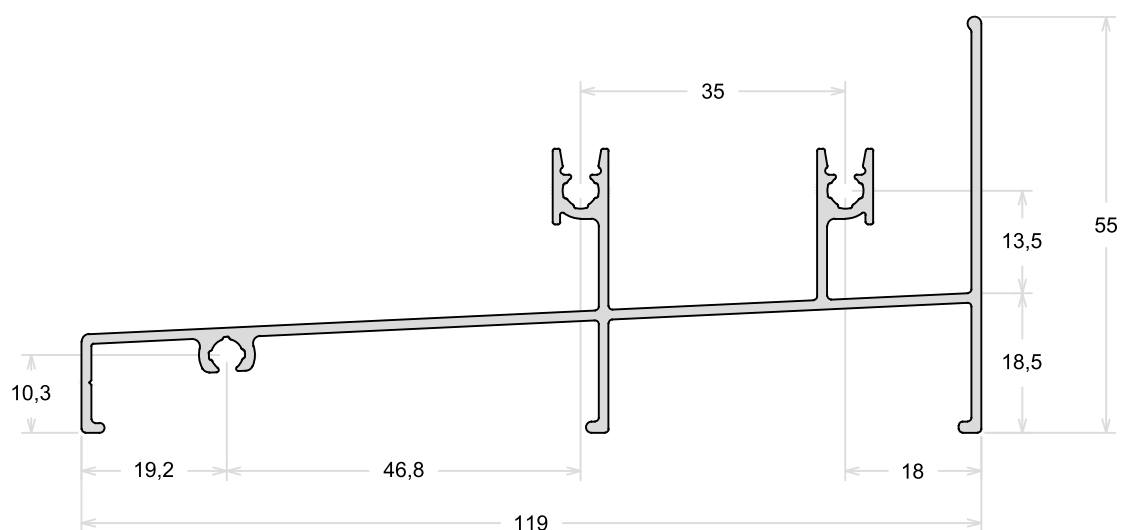


S25-112

PESO 1,065 kg/m
Marco Inferior

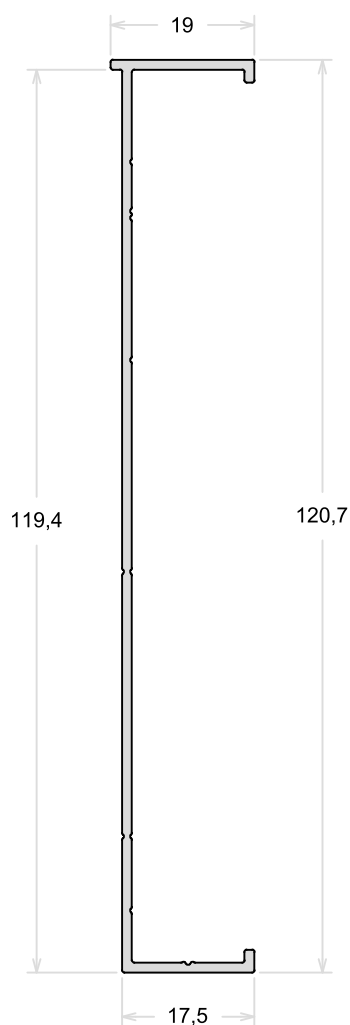
**S25-111**

PESO 1,113 kg/m
Marco Inferior

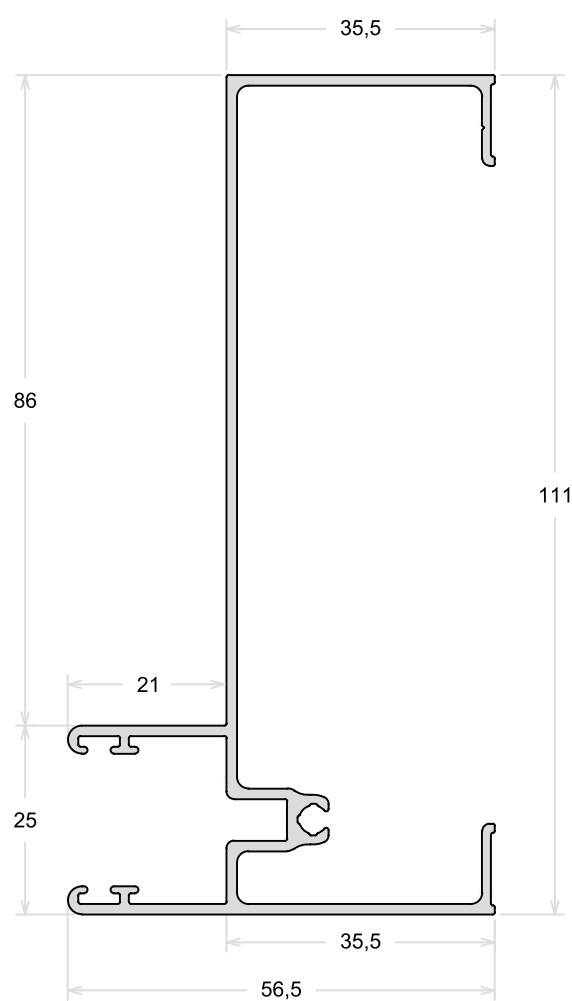


S25-113

PESO 0,593 kg/m
Marco Lateral

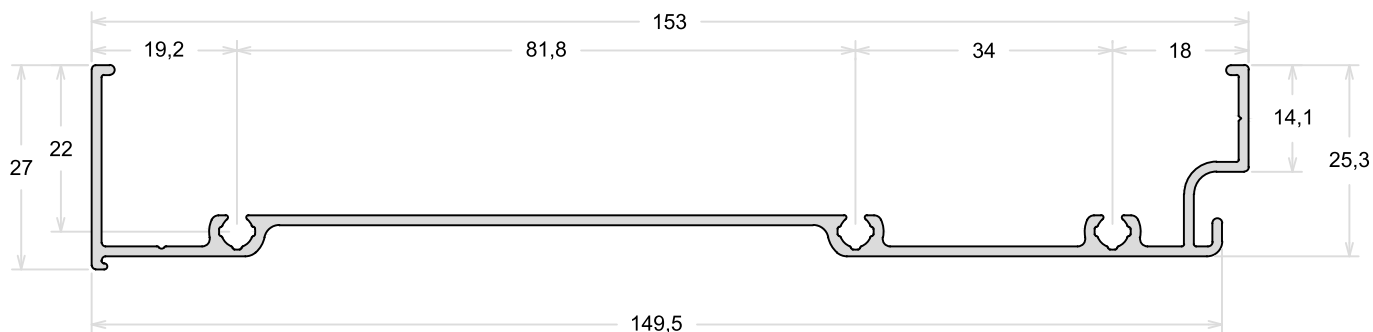
**S25-115**

PESO 1,132 kg/m
Marco Lateral

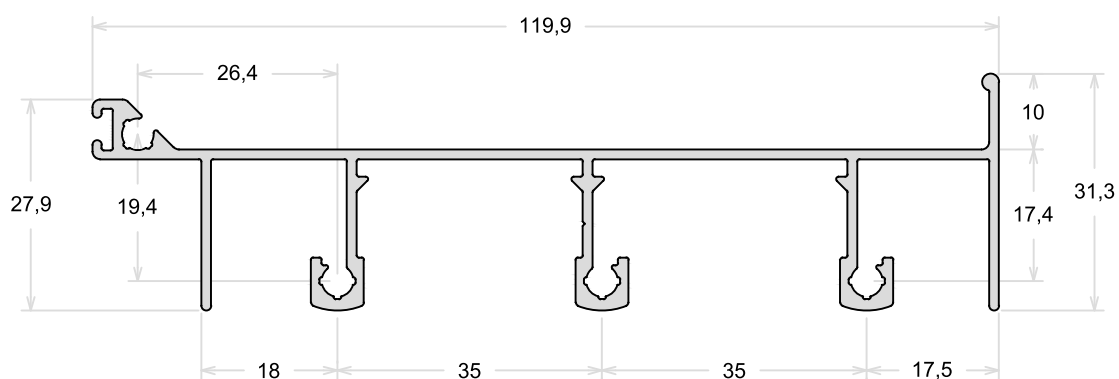


S25-119

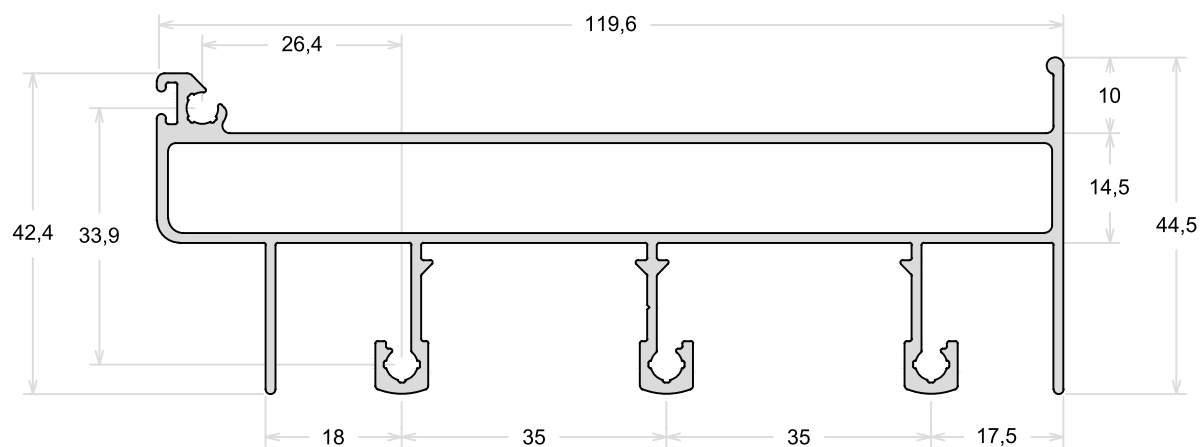
PESO 0,918 kg/m
Marco Superior

**S25-118**

PESO 1,135 kg/m
Travessa Intermediária

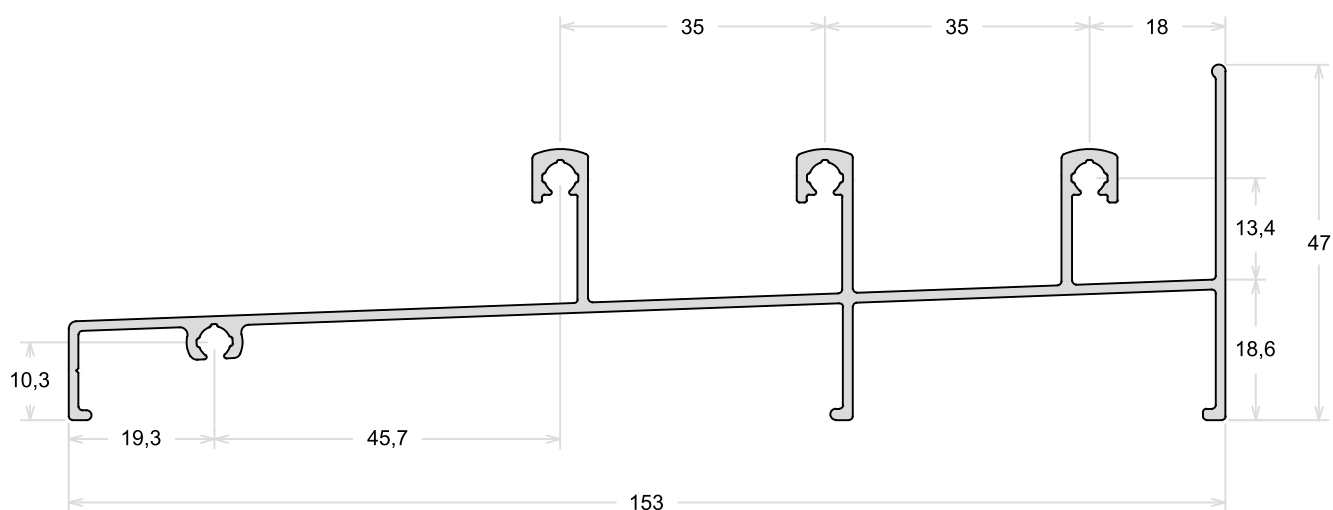
**S25-124**

PESO 1,719 kg/m
Travessa Intermediária

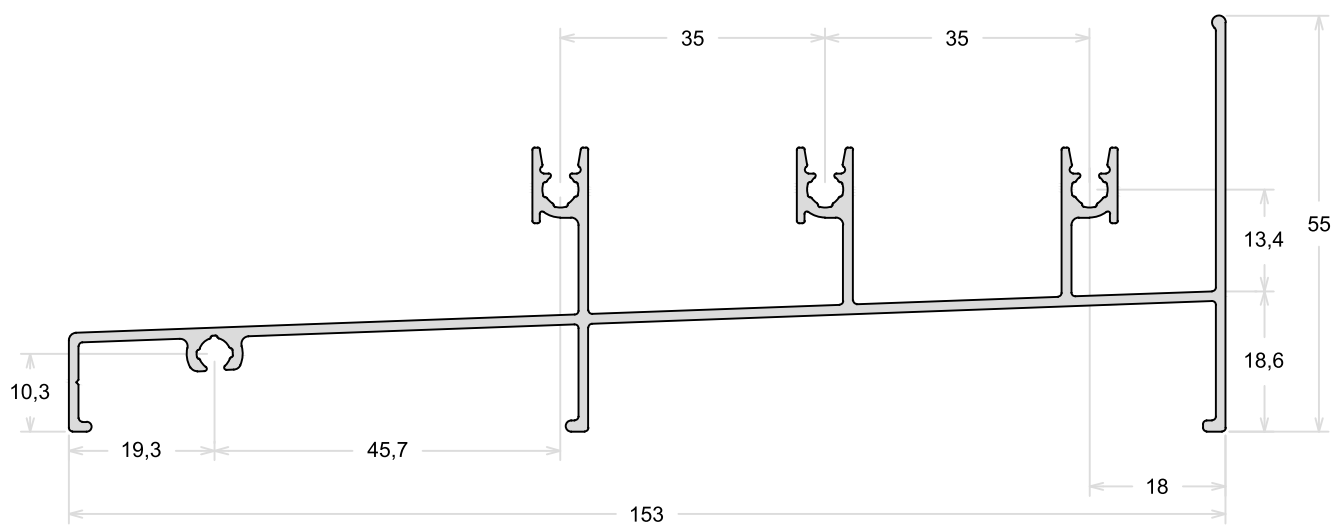


S25-120

PESO 1,332 kg/m
Marco Inferior

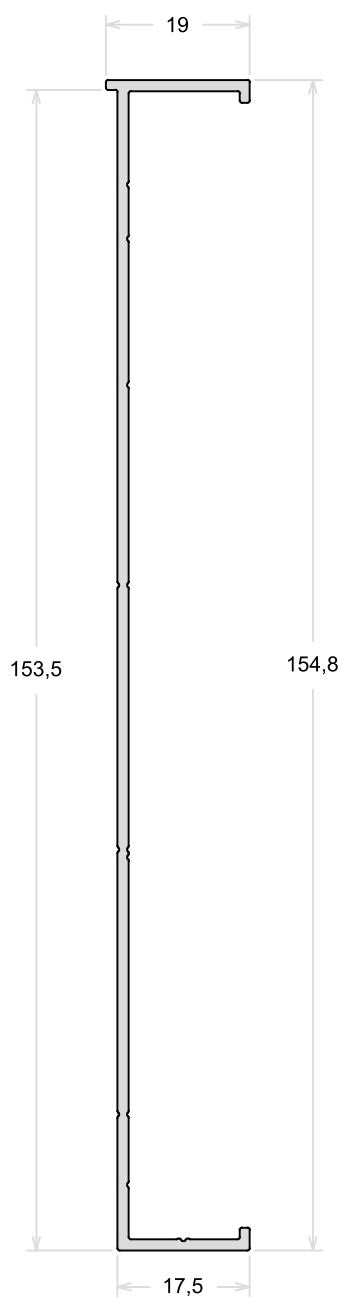
**S25-121**

PESO 1,384 kg/m
Marco Inferior

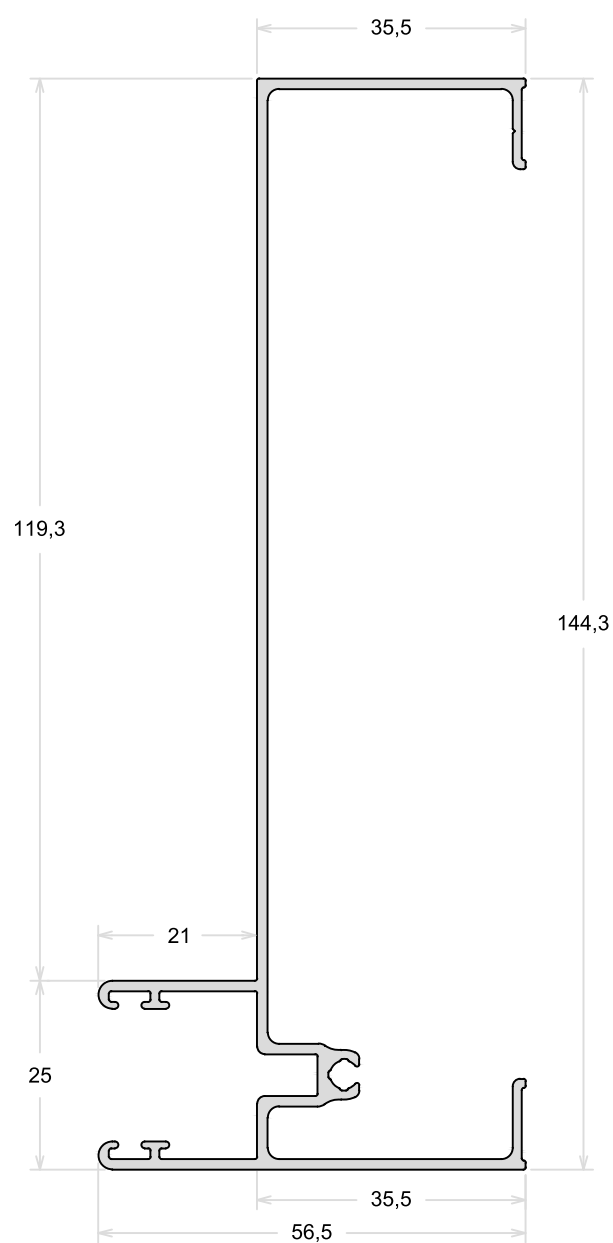


S25-122

PESO 0,828 kg/m
Marco Lateral

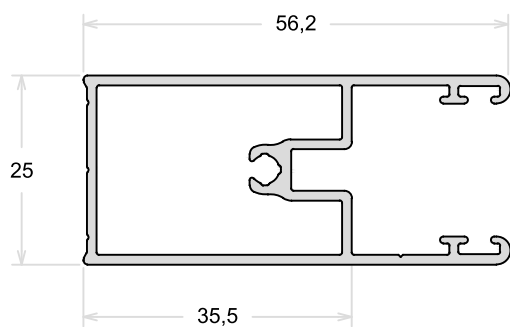
**S25-123**

PESO 1,267 kg/m
Marco Lateral

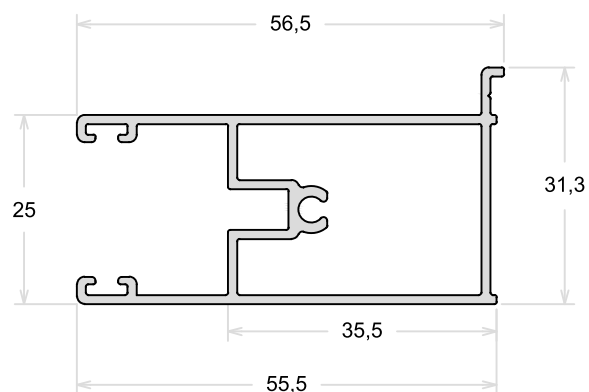


SOL-116

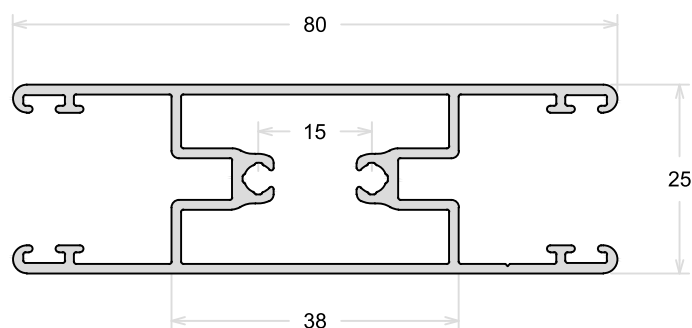
PESO 0,745 kg/m
Guia Da Persiana

**SOL-017**

PESO 0,706 kg/m
Guia Da Persiana

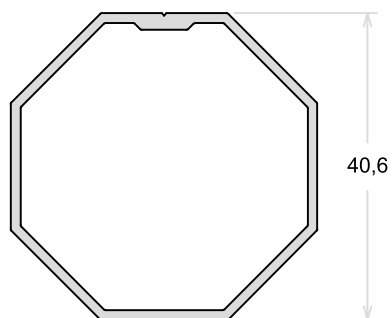
**SOL-117**

PESO 1,076 kg/m
Guia Duplo Da Persiana

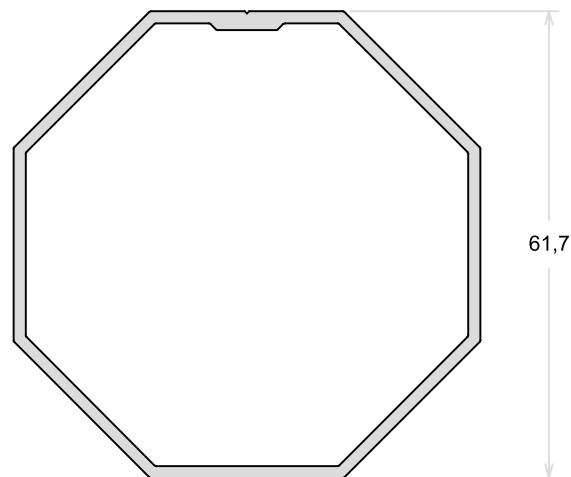


SOL-011

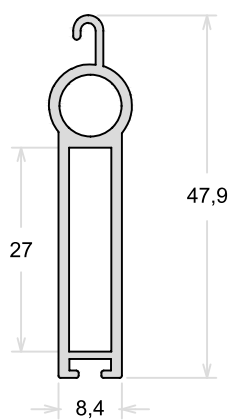
PESO 0,508 kg/m
Tubo Recolhedor - 40mm

**SOL-008**

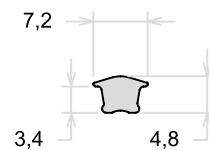
PESO 0,945 kg/m
Tubo Recolhedor - 60mm

**SOL-009**

PESO 0,438 kg/m
Terminal Da Persiana

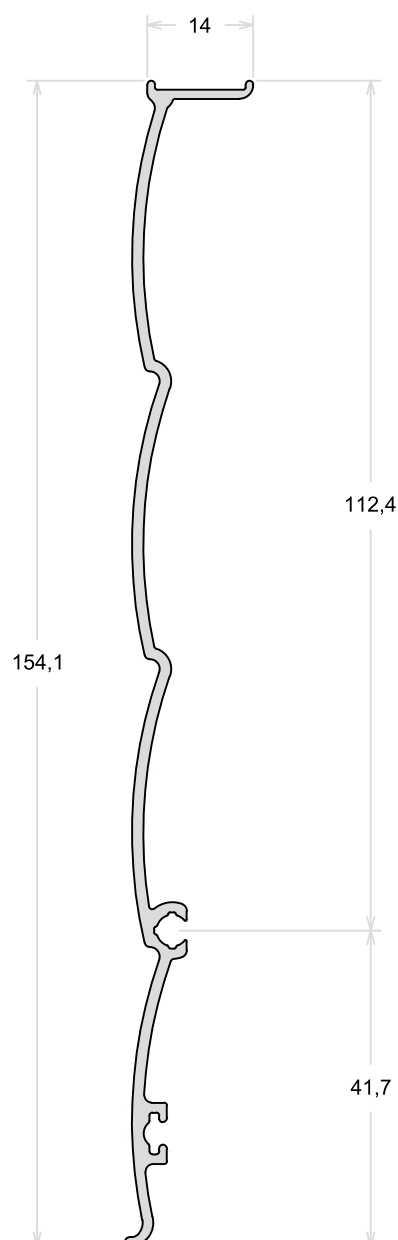
**S25-586**

PESO 0,067 kg/m
Click Do Marco Inferior

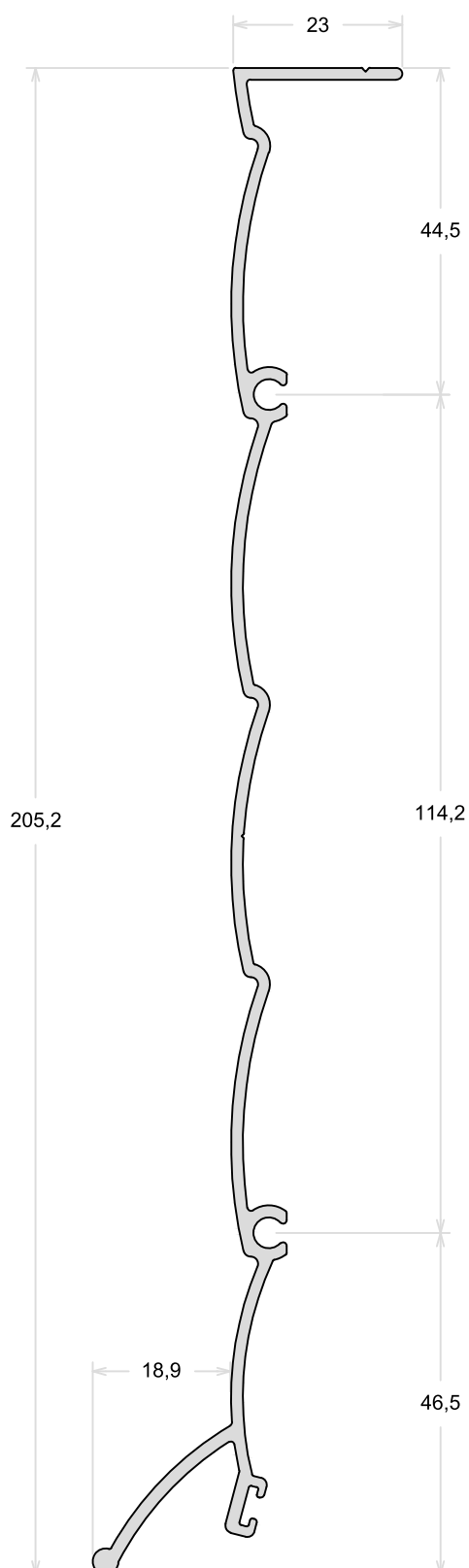


SOL-108

PESO 0,824 kg/m
Tampa Externa

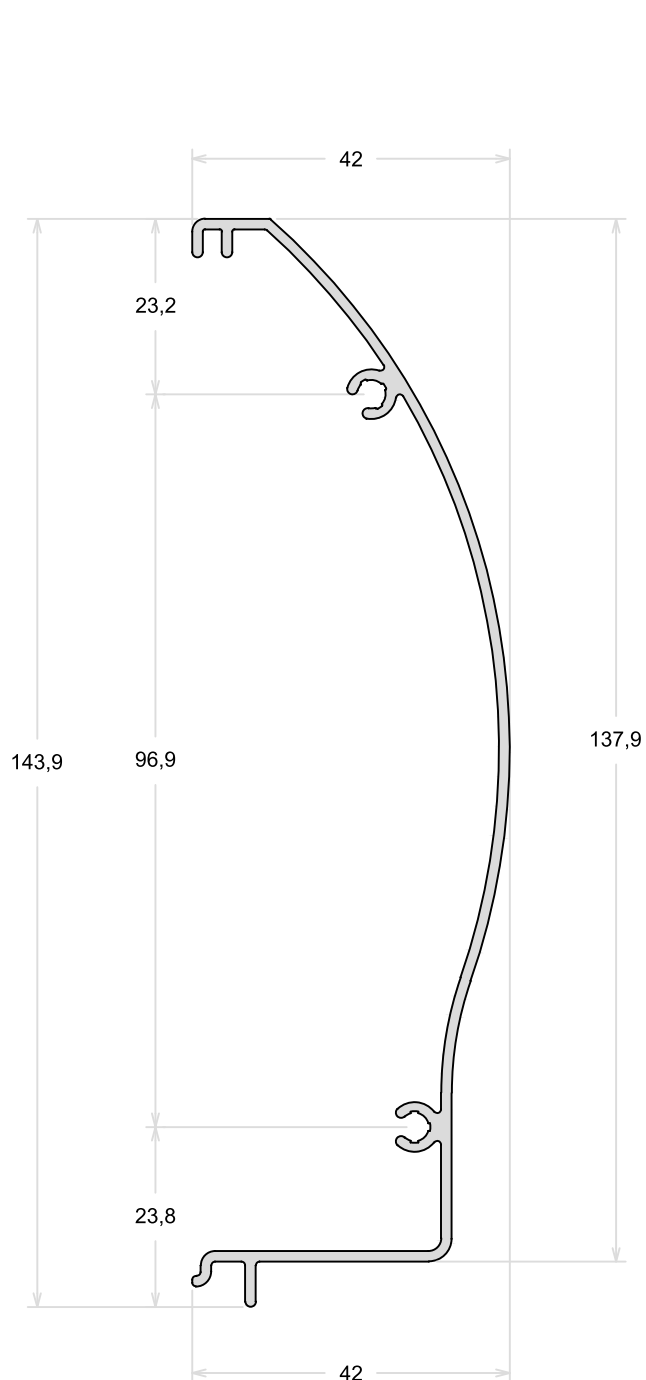


PESO 1,249 kg/m
Tampa Externa



SOL-023

PESO 0,939 kg/m
Tampa Interna



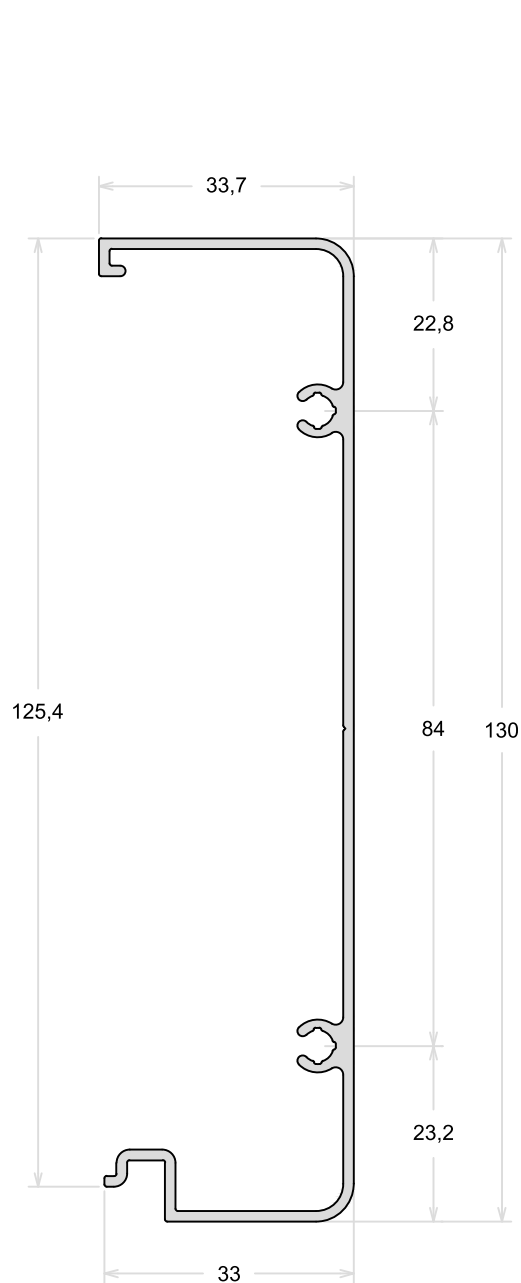
SOL-024

PESO 1,156 kg/m
Tampa Interna



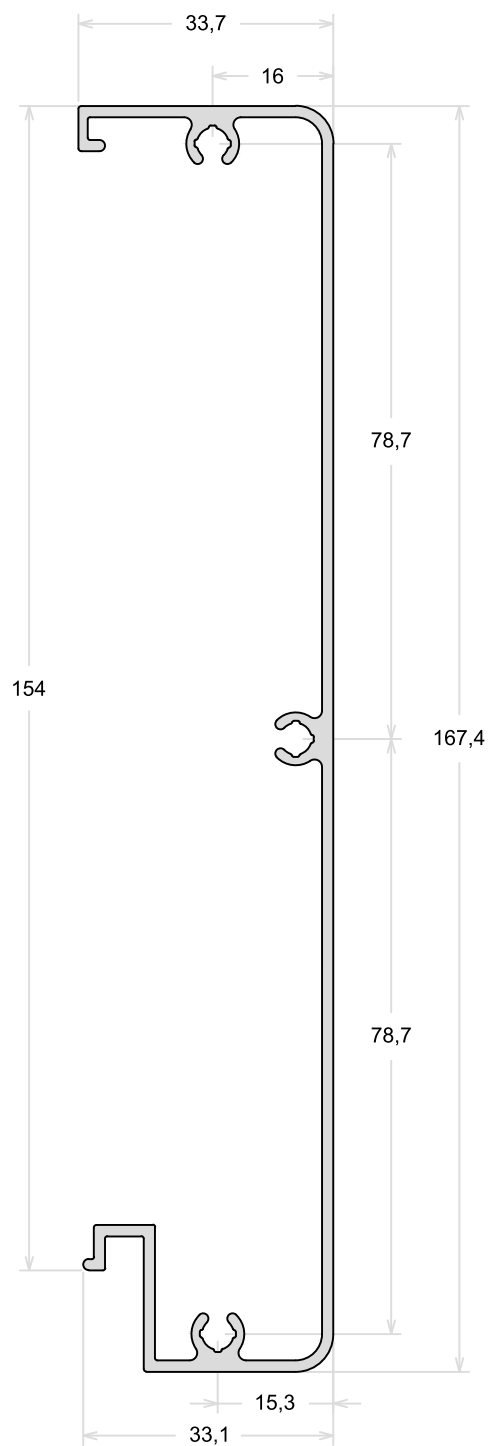
SOL-007

PESO 0,959 kg/m
Tampa Interna



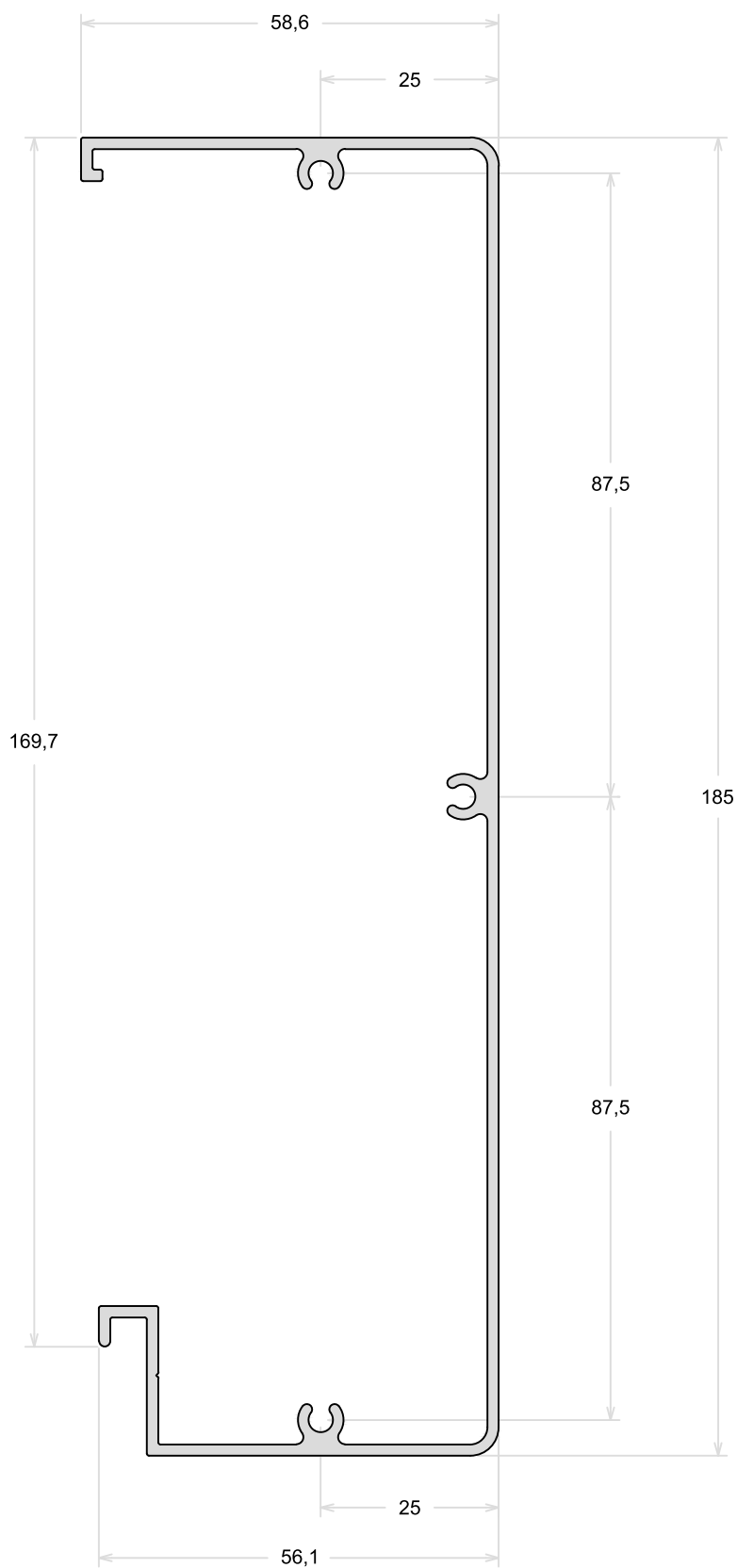
SOL-031

PESO 1,302 kg/m
Tampa Interna



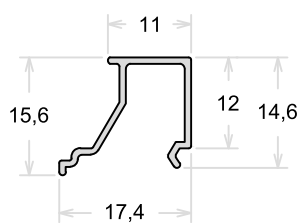
SOL-230

PESO 1,683 kg/m
Tampa Interna

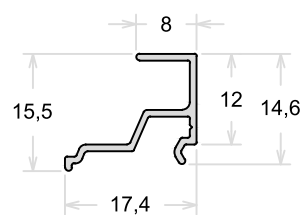


S25-102

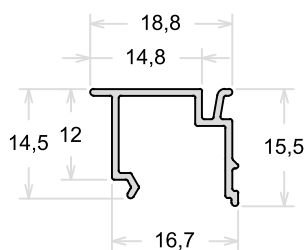
PESO 0,112 kg/m
Baguete Horizontal e Vertical

**S25-415**

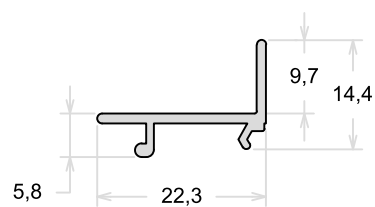
PESO 0,115 kg/m
Baguete Vertical e Horizontal

**S25-203**

PESO 0,144 kg/m
Baguete Terminal Veneziana

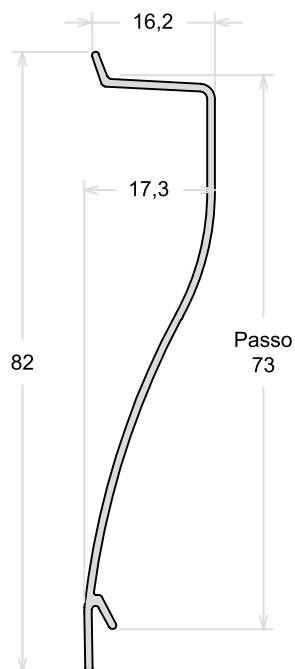
**S25-108**

PESO 0,149 kg/m
Complemento Veneziana

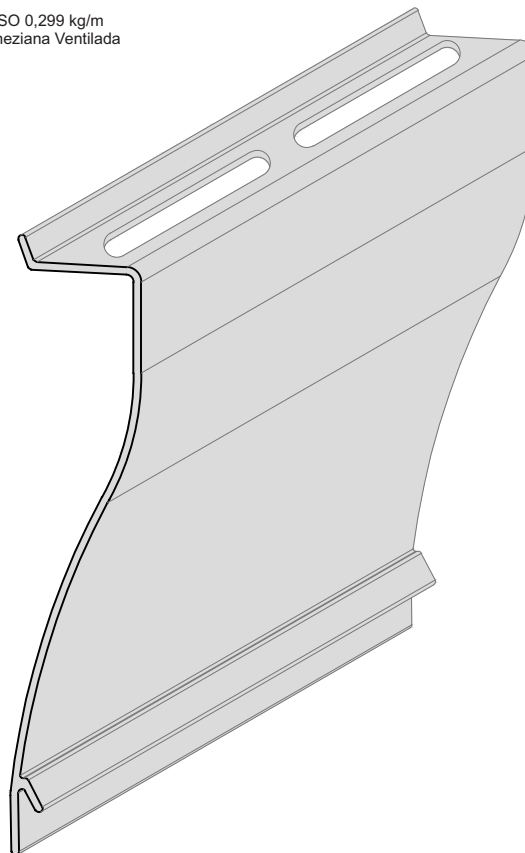


VZ-082

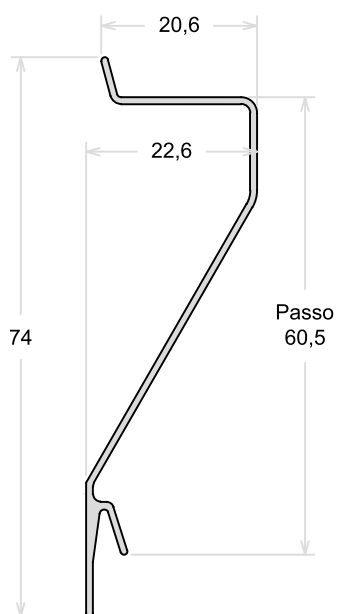
PESO 0,299 kg/m
Veneziana

**VZ-082VT**

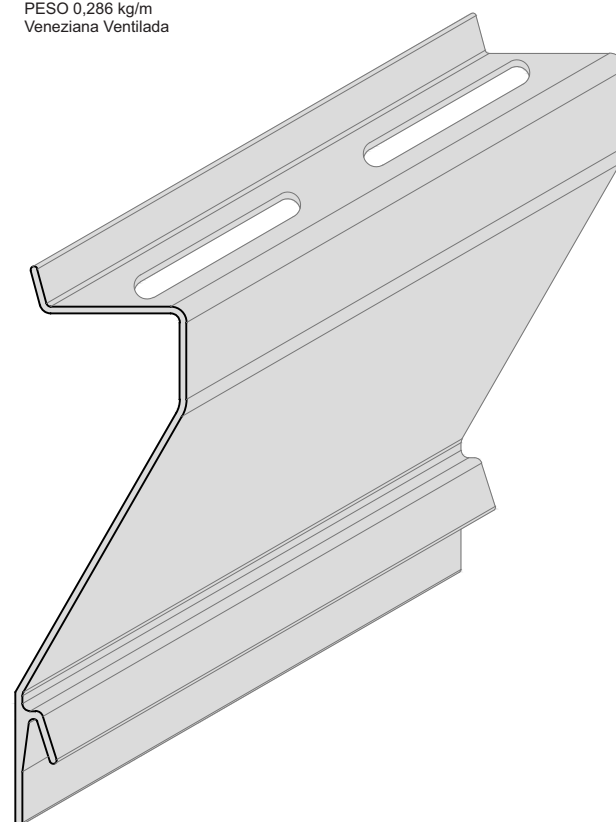
PESO 0,299 kg/m
Veneziana Ventilada

**VZ-006**

PESO 0,286 kg/m
Veneziana

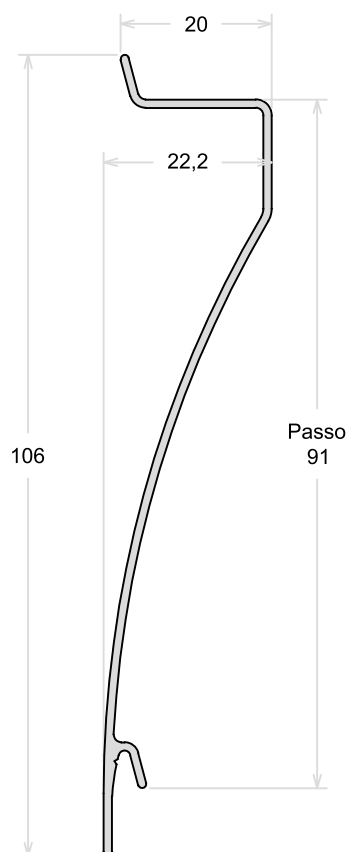
**VZ-006VT**

PESO 0,286 kg/m
Veneziana Ventilada

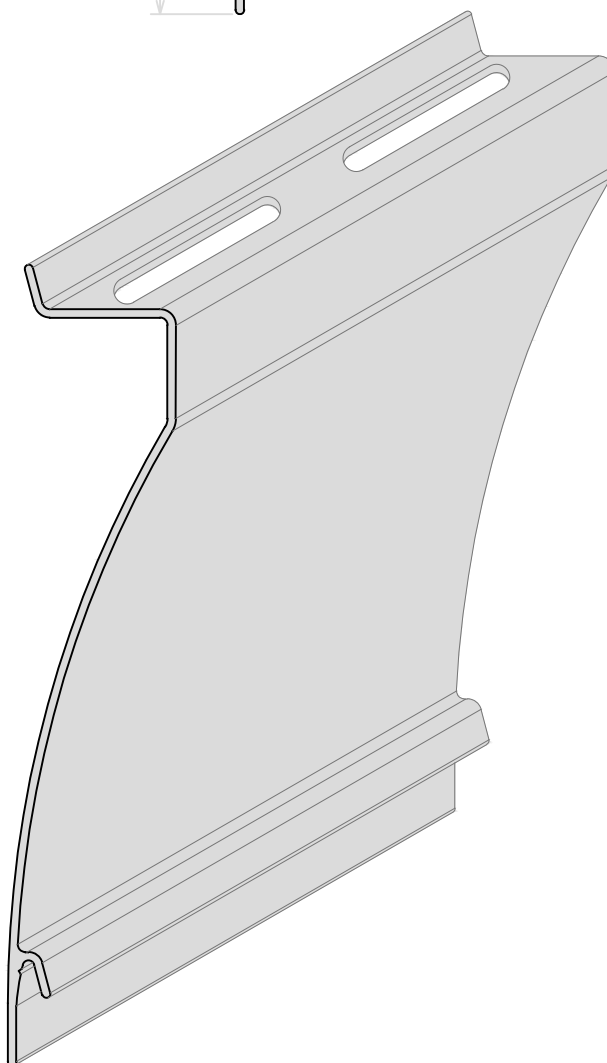


VZ-106

PESO 0,433 kg/m
Veneziana

**VZ-106VT**

PESO 0,433 kg/m
Veneziana Ventilada



13388	57	GUA386	63
13389	57	GUINF	59
9001458	59	MOTOR INTEGRADA UDINESE	58
9001816	58	MOTOR INTEGRATOMAX	58
9001876	58	NYL329U	55
9001980	62	NYL355U	55
9212222	56	NYL369	60
9212224	56	NYL370	60
9212365	60	NYL382	61
9212424	56	NYL383	61
9212425	56	NYL411	62
9302381	54	NYL414UD	54
9302382	54	NYL900	62
9302385	54	PERSIANA INTEGRADA	60
9302386	54	RCE01GU	60
9302549	54	RCE06GU	60
9302551	54	ROL439U	53
9302564	54	ROL440U	53
9302565	54	TABELAS	64
9302570	55	TAMS25	54
9302571	55	TPA250	61
9500521	53	TPA350	61
9500529	53	TPP03A	59
9601876	59		
9901387	62		
BOTOEIRA	57		
CON370UD	56		
CONTROLE	58		
DISC	59		
GUA252	63		
GUA256	63		
GUA259	63		
GUA385	63		

ROL440U

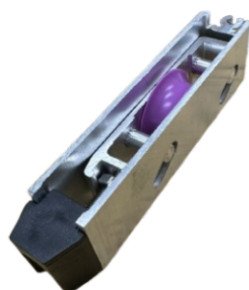
Roldana Simples
40 Kg Por Folha

**ROL439U**

Roldana Dupla
80 Kg Por Folha

**9500529**

Roldana Pedra Concava Simples
50 Kg Por Folha

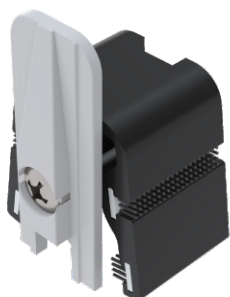
**9500521**

Roldana Pedra Concava Pedra Dupla
100 Kg Por Folha



9302381-BR
9302382-PT

Guia Deslizante Vedação 21mm



9302385-BR
9302386-PT

Guia Deslizante 32mm



9302564-BR
9302565-PT

Batedeira Mordente 40mm



9302549-BR
9302551-PT

Batedeira Universal Mini



NYL414UD-BR
NYL414UD-PT

Batedeira



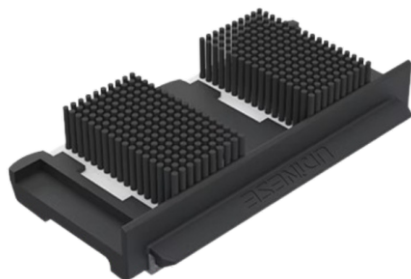
TAMS25-BR
TAMS25-PT

Tampa Montante



9302570-BR
9302571-PT

Caixa Dreno Max-ved



NYL329U-BR
NYL329U-PT

Caixa Dreno



NYL335U-BR
NYL335U-PT

Vedação Superior



9212222-BR
9212224-PT

Fecho Square



CON370UD-BR
CON370UD-PT

Contra Fecho



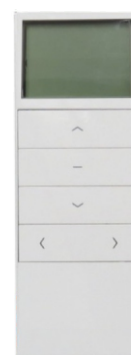
9212424-BR
9212425-PT

Contra fecho Touch



CONTROLE-BR
CONTROLE-PT

Controle Motor Integrada Udinese

**13388**Controle Motor Integrada Esquadrimax
1 Canal**13389**Controle Motor Integrada Esquadrimax
15 Canais

Motor Integratomax

Para tubo de 60 / 40
Esquadrimax

**Motor Integrada**

Para tubo de 60 / 40
Udinese

**9001816-BR
BOTOEIRA-PT**

Botoeira Integrada

**9001876**

Modulo WI-FI Udiconnect



TPP03A

Tampa Para Persiana 45mm



9601876

Tampa Para Persiana 41mm



9001458

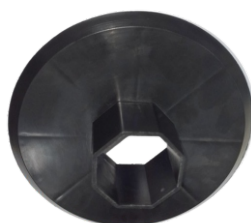
Kit Acessórios Motor 60mm

GUINF-BR
GUINF-PT

Passa Cinta Do Recolhedor



DISC

Disco Alinhador
Discos 120x60, 158x60, 190x60

RCE01GU-BR
RCE01GU-PT

Recolhedor De Janela Tubo 40mm



RCE06GU-BR
RCE06GU-PT

Recolhedor Com Redução



Persiana Integrada

Persiana De 41mm / 45mm
Branco / Preto



NYL369

Guia E Limitador



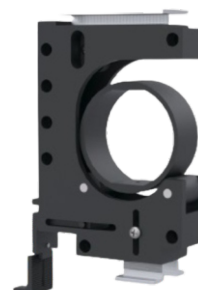
NYL370

Guia Da Persiana



9212365

Mancal Smart Central Para Integrada



NYL382-BR
NYL382-PT

Tampa Sol-031



NYL383-BR
NYL383-PT

Tampa Sol 230



TPA250-BR
TPA250-PT

Tampa SOL-023



TPA350-BR
TPA350-PT

Tampa SOL-024



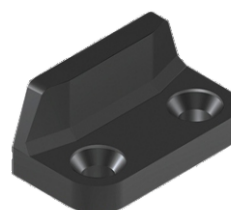
NYL411-BR
NYL411-PT

Tampa Sol-007



NYL 900-BR
NYL 900-PT

Limitador Da Persiana



9901387

Presilha Para Esteira



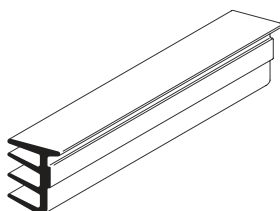
9001980

Fixador Esteira Anti-vandalismo

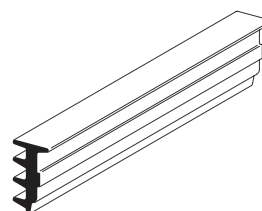


GUA256

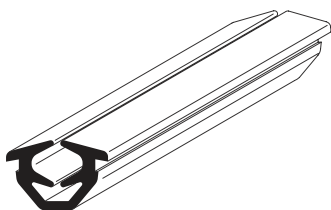
Guarnição Do Vidro
EPDM

**GUA259**

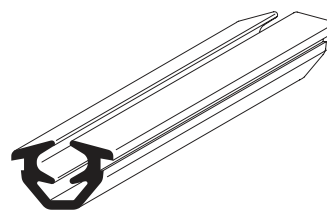
Guarnição Do Vidro
EPDM

**GUA385**

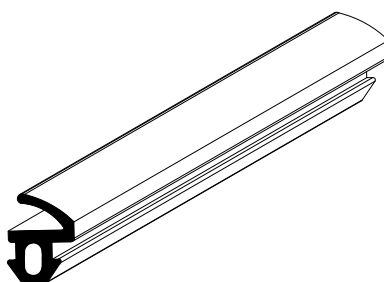
Guarnição Do Vidro 3 e 4 mm
EPDM

**GUA386**

Guarnição Do Vidro 5 e 6 mm
EPDM

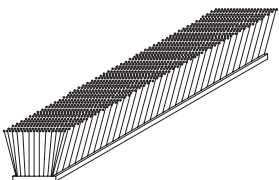
**GUA252**

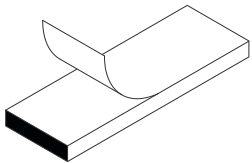
Guarnição Mão De Amigo
EPDM



TABELAS DE COMPONENTES

	CÓDIGO	DIAMETRO	COMP.	PONTA
	PAR006	4,2 MM	16 MM	AUTO-ATARRAXANTE
	PAR016	4,2 MM	32 MM	AUTO-ATARRAXANTE
	PAR016	4,2 MM	32 MM	AUTO-ATARRAXANTE
	PAR050PIL	4,8 MM	50 MM	PILOTO

	CÓDIGO	LARGURA ALTURA	COMP.	BARREIRA PLASTICA
	FIT208-PT	5 X 6	50 M	SIM
	FIT203	5 X 8	50 M	SIM
	FIT223	5 x 7,5	50 M	SIM

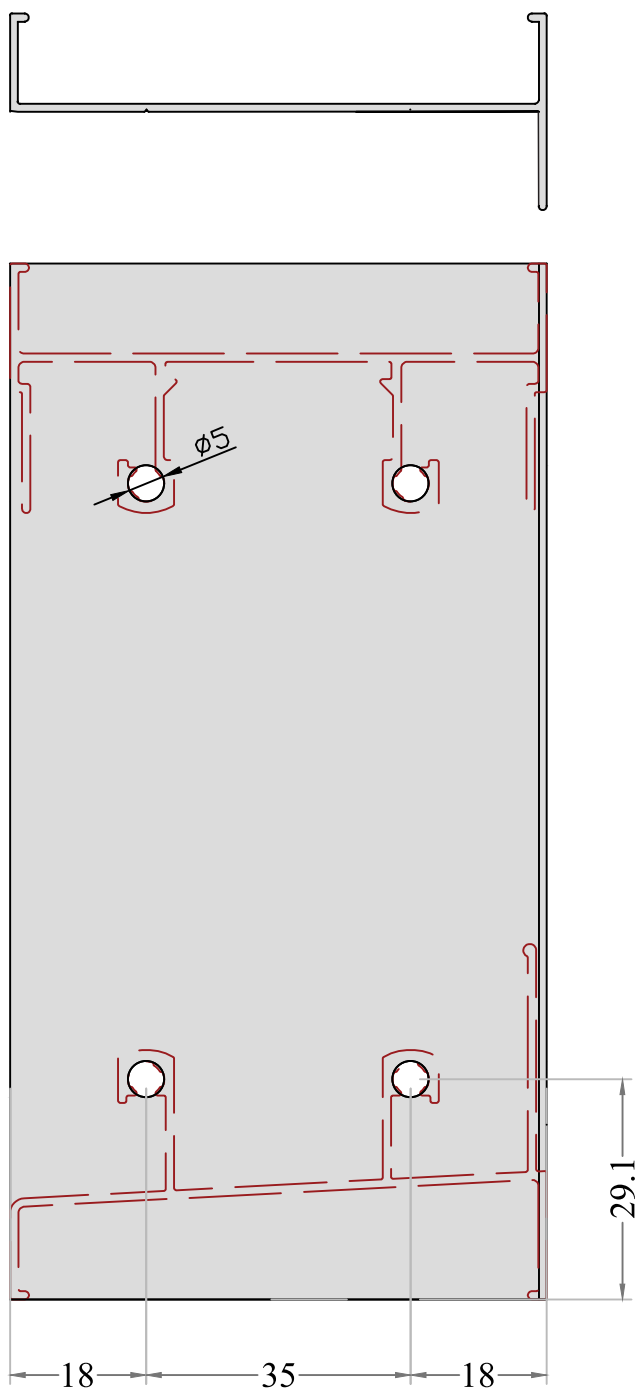
	CÓDIGO	LARGURA ALTURA	COMP.
	SWES1104	11 X 4	50 M
	SWES1106	11 X 6	50 M

USINAGEM DE DRENO	68
FURAÇÕES DOS MARCOS VERTICAIS	66
USINAGEM DE FOLHA	70
USINAGEM MATA JUNTA LATERAL	69

SU-007

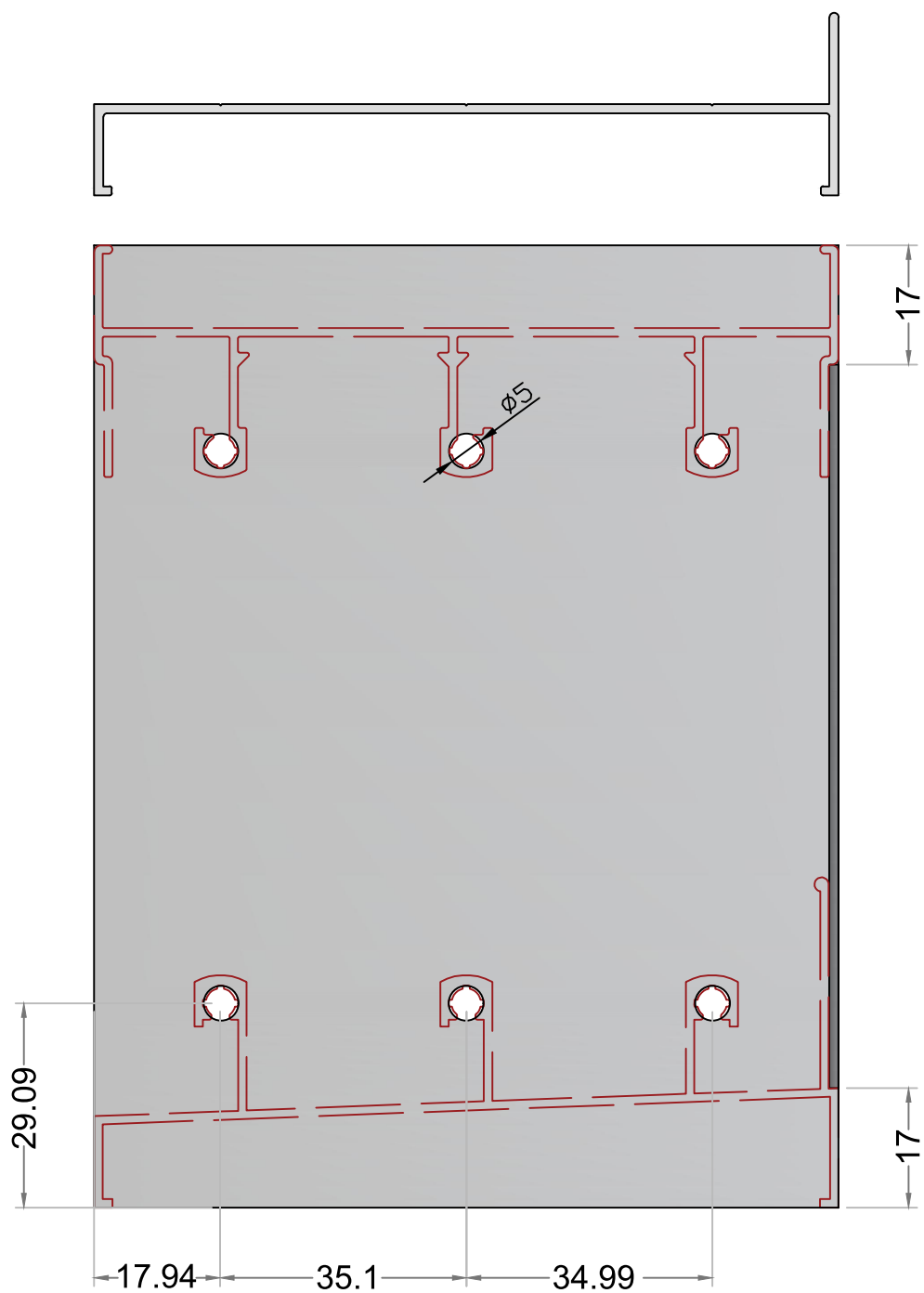
SU-012

E SIMILARES



SU-012

E SIMILARES



SU-002

SU-006

SU-011

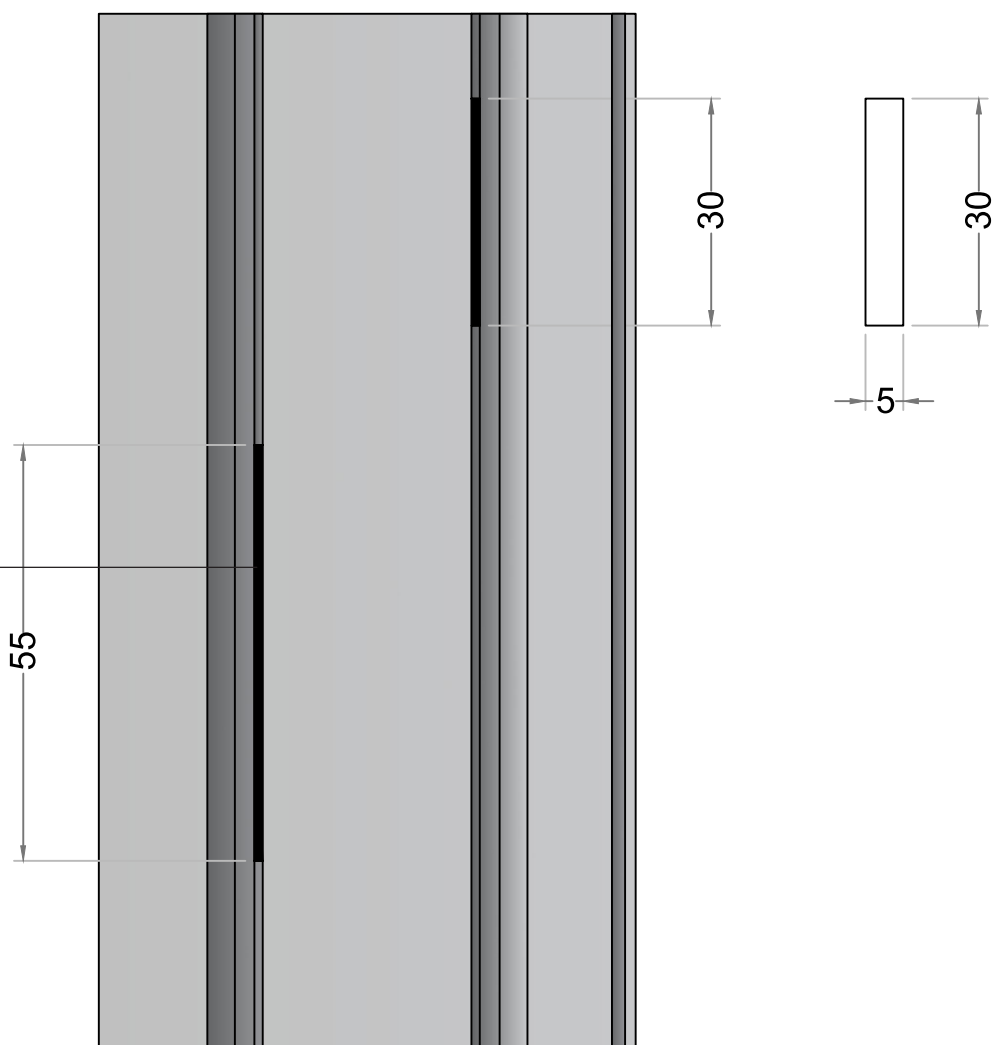
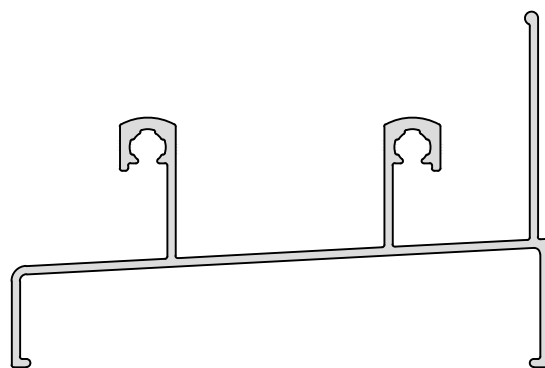
SU-025

SU-122

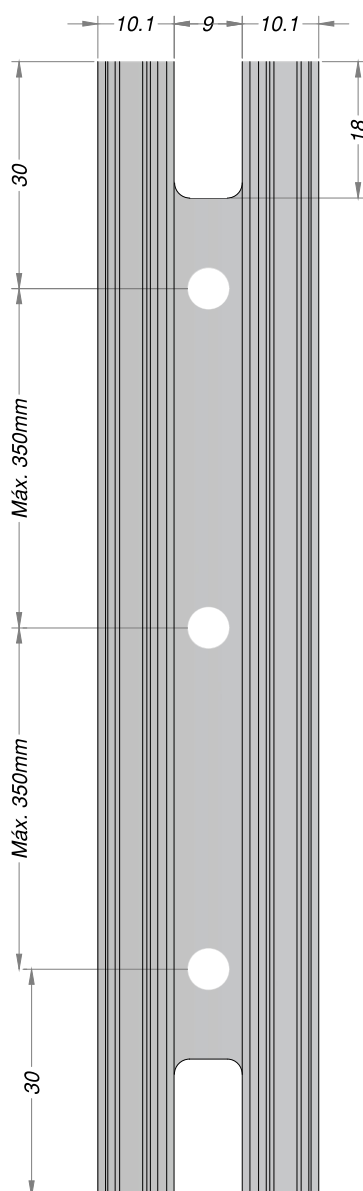
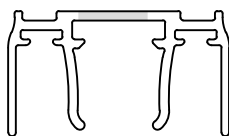
SU-228

SU-230

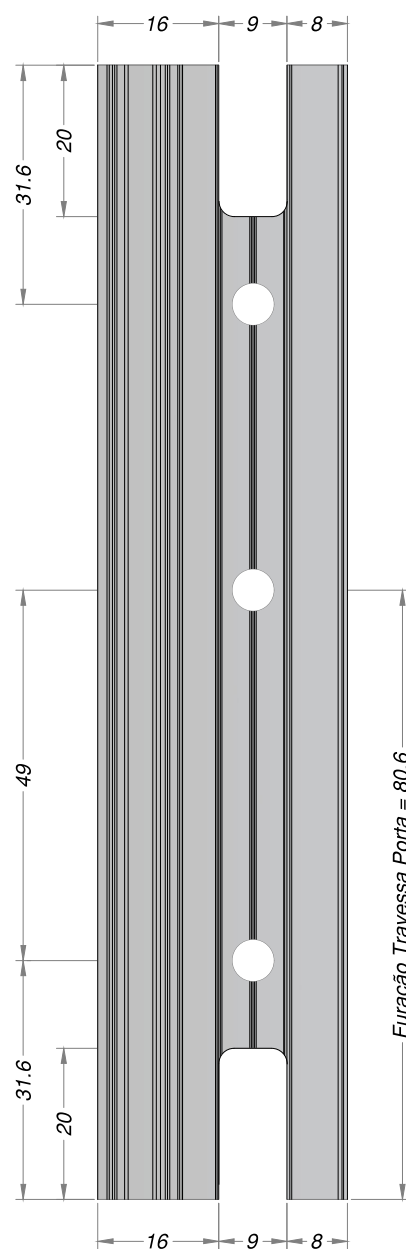
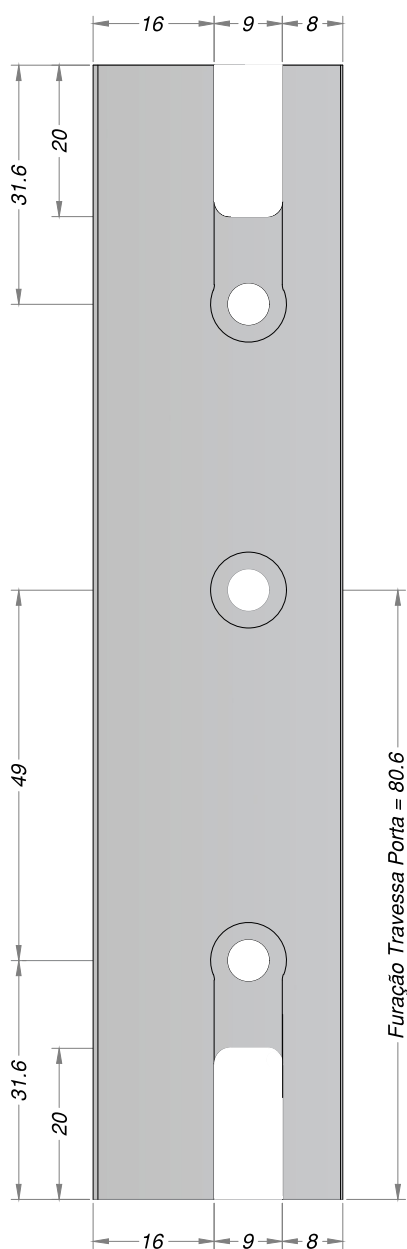
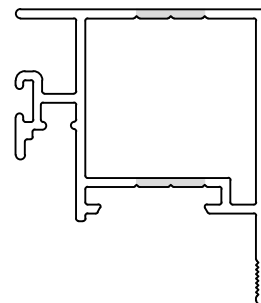
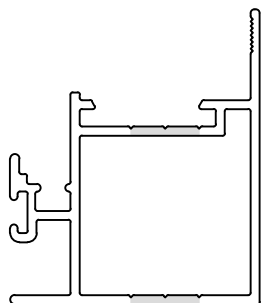
E SIMILARES



USINAGEM MATA JUNTA

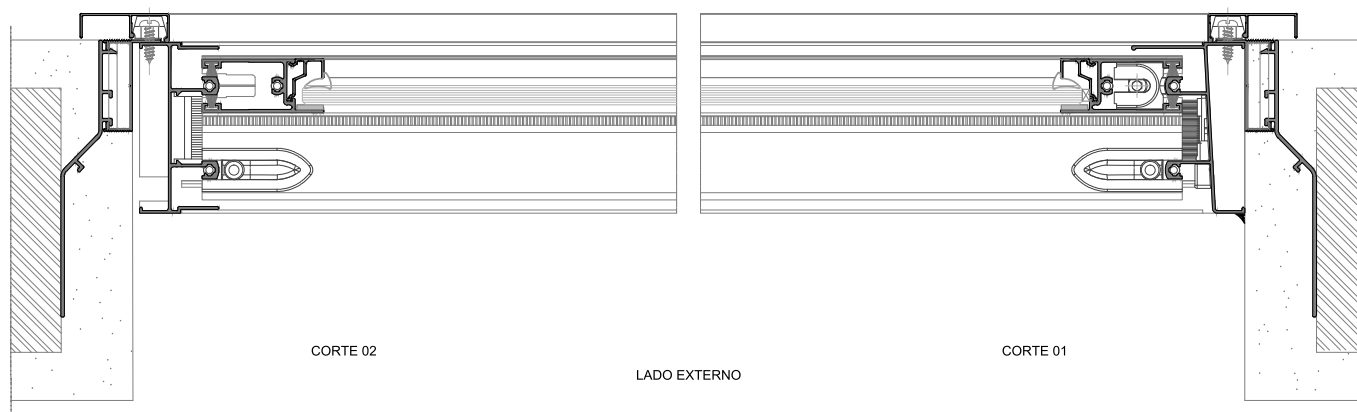
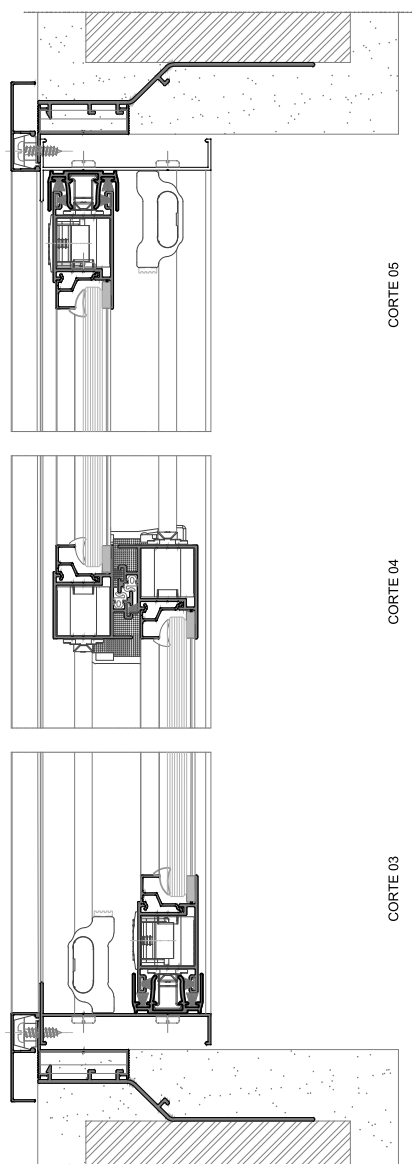
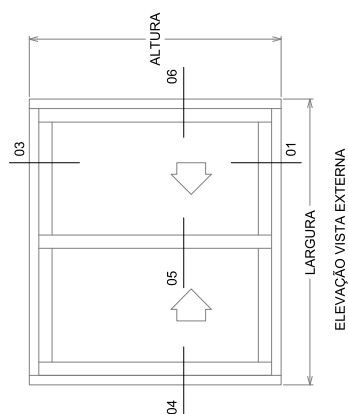


USINAGEM DA FOLHA

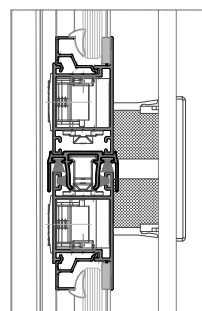
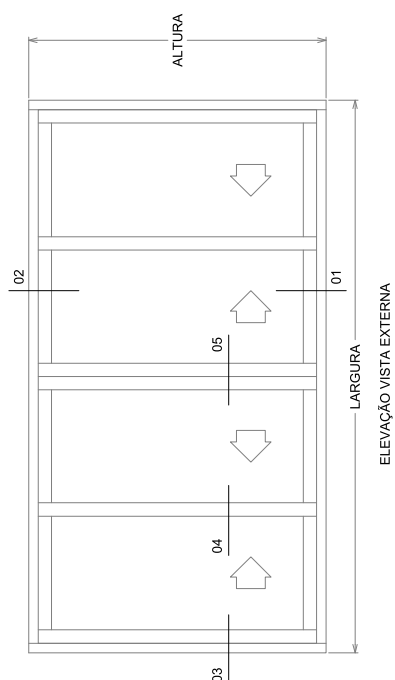


JANELA DE CORRER 02 FOLHAS COM BAGUETE	72
JANELA DE CORRER 04 FOLHAS COM BAGUETE	73
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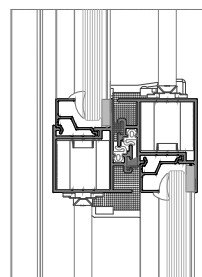
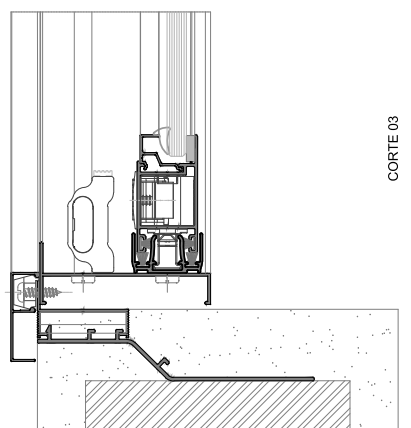
JANELA DE CORRER 02 FOLHAS
COM BAGUETE



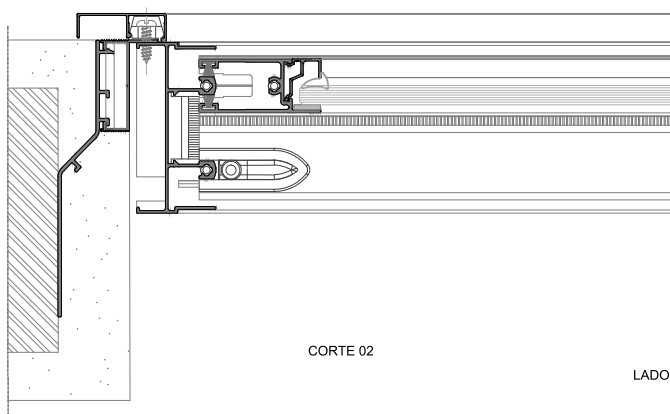
JANELA DE CORRER 04 FOLHAS
COM BAGUETE



CORTE 05

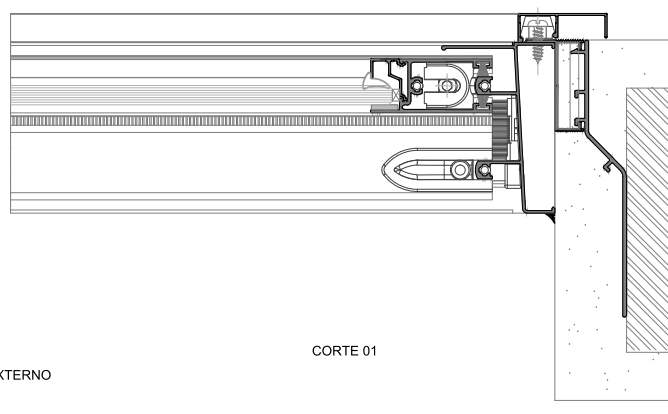
CORTE 04
LADO EXTERNO

CORTE 03



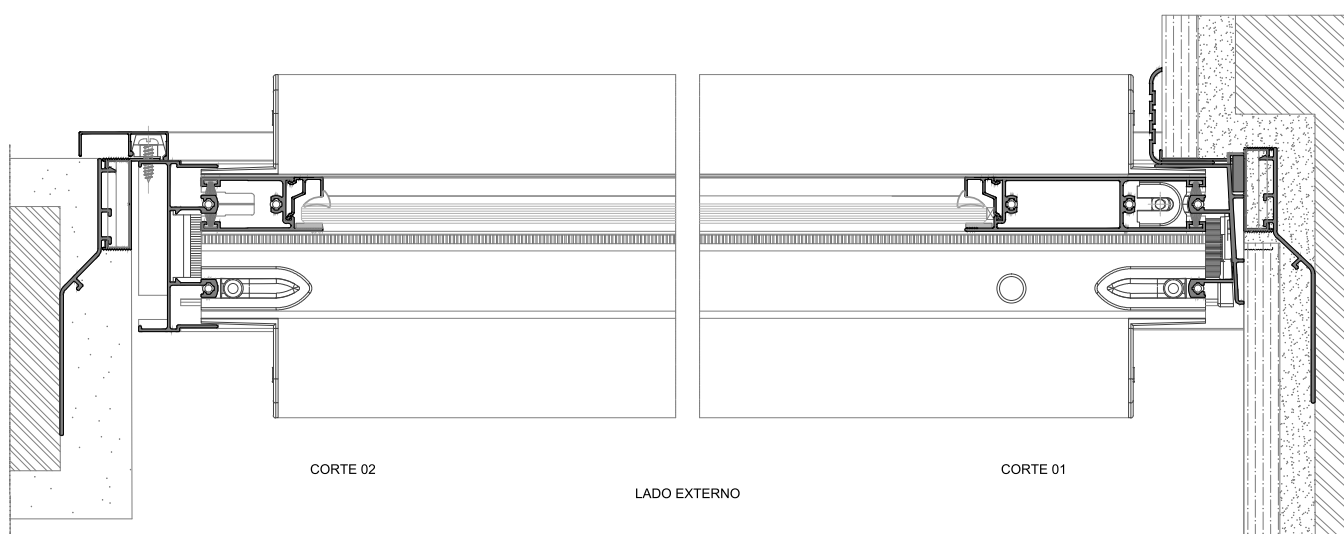
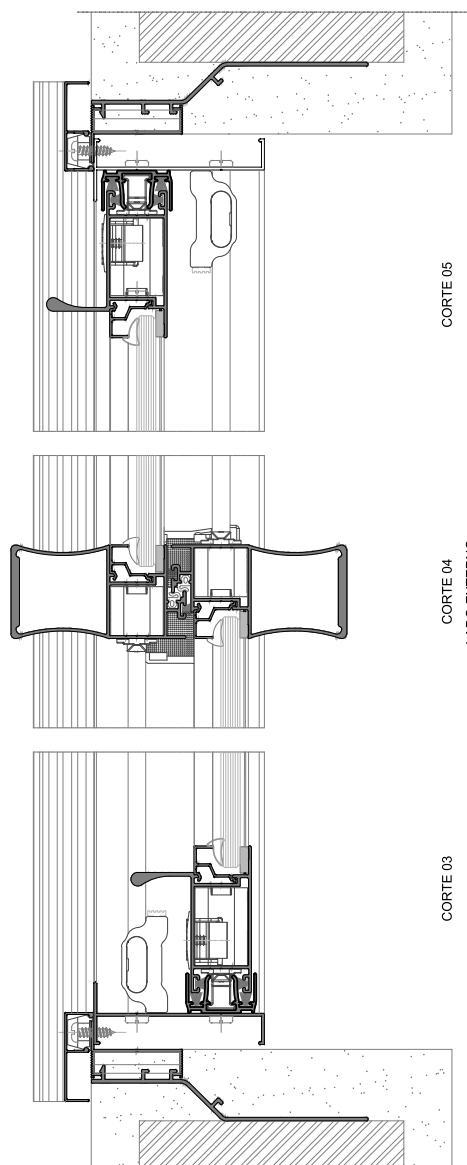
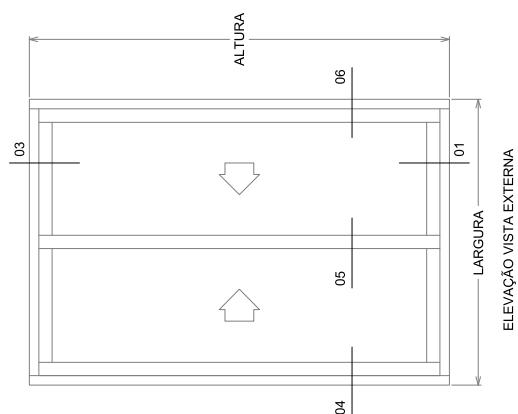
CORTE 02

LADO EXTERNO

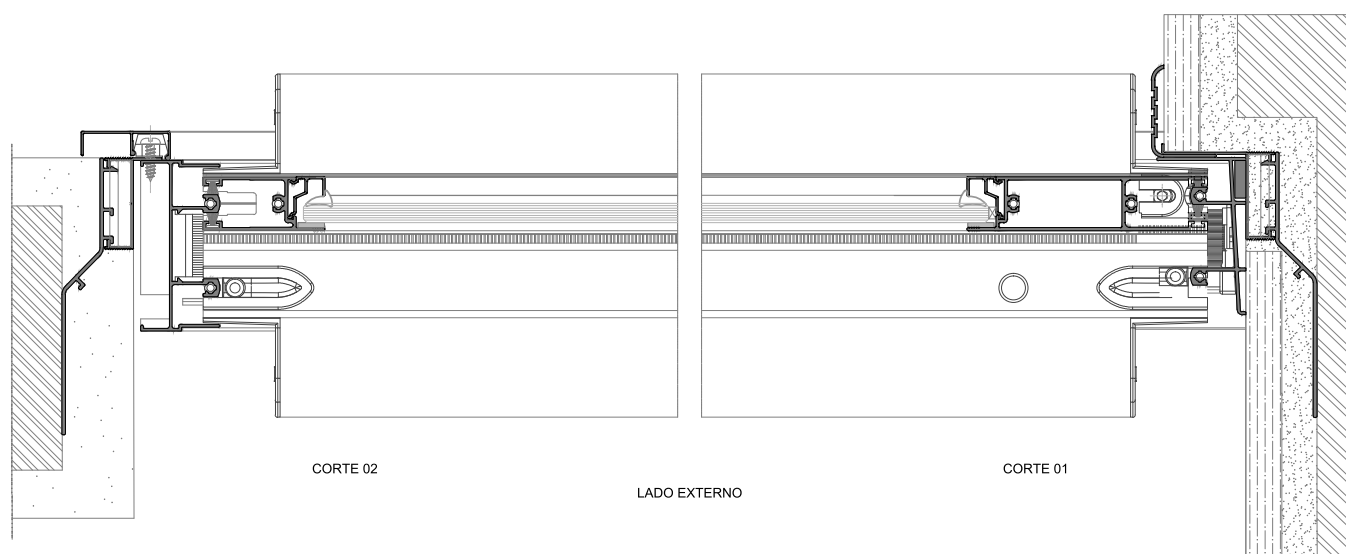
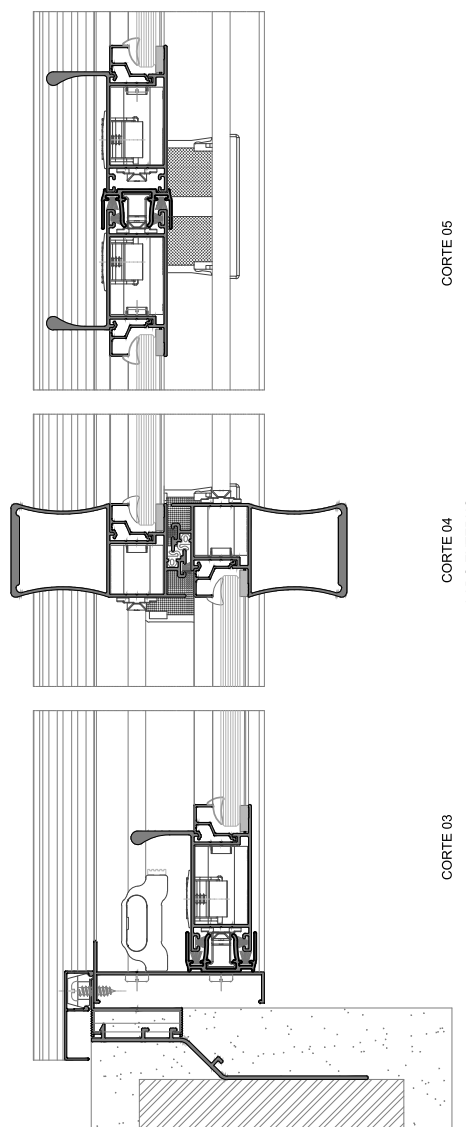
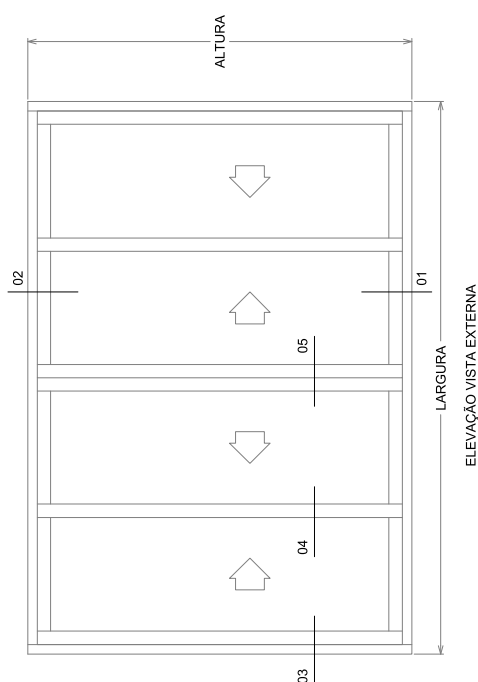


CORTE 01

PORTA DE CORRER 02 FOLHAS
COM BAGUETE



PORTA DE CORRER 04 FOLHAS
COM BAGUETE





GRUPO
PERFISUD