



PRAIA DO ROSA 25

SISTEMA DE ESQUADRIAS

ÍNDICE GERAL

	Página
A NOSSA HISTÓRIA	03
A EMPRESA	04
INFORMAÇÕES TÉCNICAS SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25	05
GRÁFICOS DE DIMENSÕES	08
TIPOLOGIAS	16
ÍNDICE DE PERFIS	18
PERFIS SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25	19
ÍNDICE DE COMPONENTES	51
COMPONENTES	52
DETALHES DE USO - GUARNIÇÕES	81
ÍNDICE DE USINAGENS	82
USINAGENS	83
ÍNDICE DE DETALHES CONSTRUTIVOS	95
DETALHES CONSTRUTIVOS	96

NOSSA HISTÓRIA

Foi em 1895, que a família Fretta ingressou na atividade comercial, ao fundar na localidade de Azambuja - SC a Casas Fretta. Mais de 120 anos se passaram desde então, e sua tradição ultrapassou gerações, tornando a empresa uma das mais antigas do estado de Santa Catarina, sob o comando dos descendentes de seus fundadores.

EXPERIÊNCIA E CONSTANTE EVOLUÇÃO

Tanto tempo de experiência conferiu ao grupo Fretta um legado de credibilidade, resultando na consolidação da marca, sinônimo de solidez e excelência na prestação de serviços.

A tradição nos negócios, aprimorada com o tempo, deu vazão a novos empreendimentos.

O grupo Fretta diversificou seu ramo de atuação e hoje, além da Casas Fretta, é composto pela Fretta Construções, Invest Capital e a mais recente integrante do grupo: Aludim Aluminum Technology.

Especializada na extrusão de alumínio para a construção civil e para a atividade industrial, a Aludim traz em seu DNA os mesmos valores do grupo Fretta, compartilhando da paixão pela prestação de serviços com alto padrão de qualidade.

O Grupo Fretta cresceu e está cada vez mais presente na vida das pessoas, conservando os ensinamentos de seus fundadores: ajudar a transformar o mundo, investindo no ser humano e trabalhando para fazer sua vida melhor!



Azambuja, 1895. Primeira casa de comércio da família Fretta.

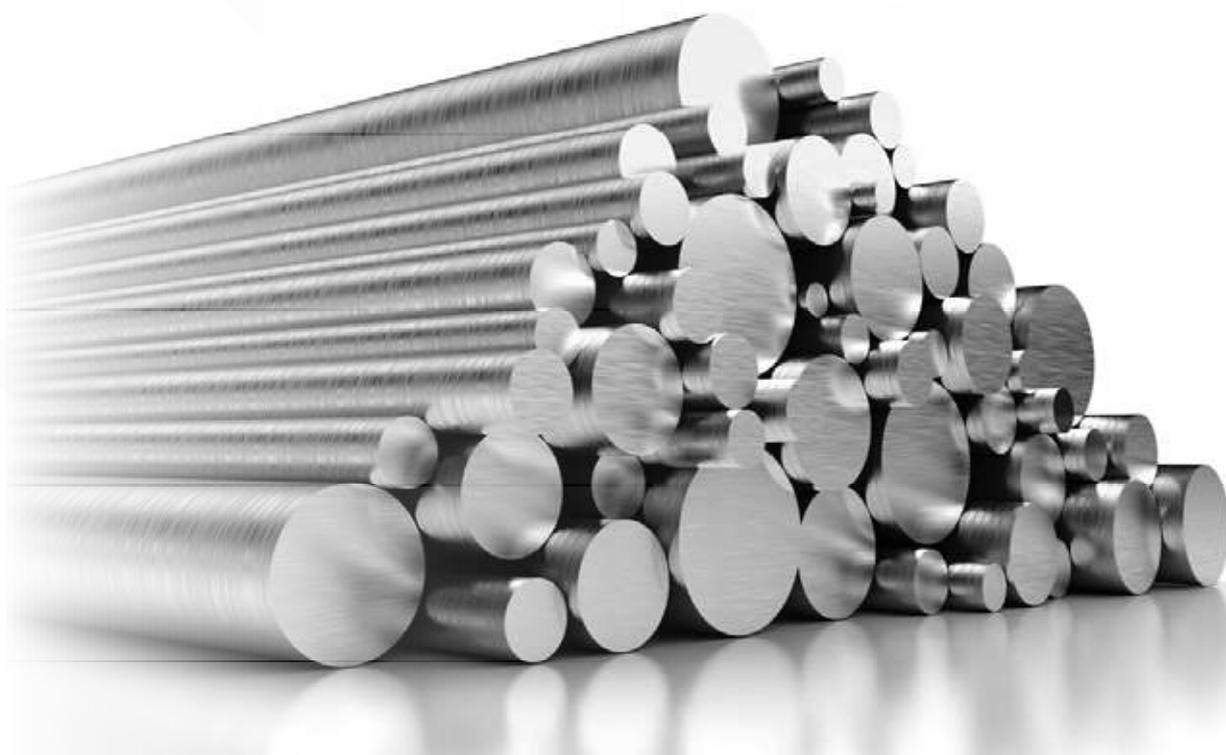


ALUMÍNIO PRESENTE EM CADA DETALHE DA VIDA MODERNA

Beleza, leveza, durabilidade, moldabilidade, alta resistência, inclusive à corrosão, são algumas das qualidades que tornam o alumínio essencial à vida moderna. Considerado metal semiprecioso, no século XIX o alumínio chegou a ser mais caro do que o ouro, no entanto, a produção em larga escala tornou o preço acessível, ampliando sua utilização.

AQUI, O ALUMÍNIO É BEM TRATADO

A Aludim mantém parcerias com os mais modernos e equipados complexos industriais de tratamento de superfície de perfis extrudados de alumínio, empresas que dispõem de uma linha completa de pintura e de anodização. Tudo isso confere aos produtos Aludim alta resistência, qualidade estética, diversidade de cores, texturas e acabamentos, atributos que se adaptam às necessidades e aos padrões de seu projeto, agregando valor ao seu produto.



SUSTENTABILIDADE

Atualmente, o alumínio está presente em diversos segmentos, contribuindo, inclusive para a preservação do meio ambiente, pois, além de ser o metal ideal para o desenvolvimento de produtos que permitem a redução da emissão de gases poluentes, cerca de 75% de todo o alumínio produzido, até hoje, ainda está em uso. Como um material infinitamente reciclável, mesmo depois de décadas de vida útil, o alumínio pode ser reaproveitado, gerando grande economia de recursos financeiros e preservação dos recursos naturais.

RESPONSABILIDADE SOCIAL

A Aludim escreve diariamente uma história de inovação e compromisso com a sustentabilidade. A preocupação com aspectos econômicos, sociais e ambientais faz parte dos valores da empresa, por isso a companhia busca, constantemente, o aumento de sua eficiência operacional, para diminuir os desperdícios do processo produtivo. Para tanto, desenvolve projetos de conservação de recursos e ecoeficiência, focados na redução de emissões atmosféricas, geração de resíduos sólidos industriais e do consumo de água.

A Associação Brasileira de Normas Técnicas (ABNT) é o Foro Nacional de Normalização. As Normas Brasileiras, cujo conteúdo é de responsabilidade dos Comitês Brasileiros (ABNT/CB), dos Organismos de Normalização Setorial (ABNT/ONS) e das Comissões de Estudos Especiais (ABNT/CEE), são elaboradas por Comissões de Estudo (CE), formadas pelas partes interessadas no tema objetivo da normalização.

Referências Normativas:

- ABNT - NBR 15.575 - Desempenho - Edifícios habitacionais
- ABNT - NBR 10.821 - Esquadrias externas para edificações
- ABNT - NBR 6.123 - Forças devidas ao vento em edificações - Procedimento
- ABNT - NBR 7.199 - Projeto, execução e aplicação dos vidros na construção civil
- ABNT - NBR 7.000 - Alumínio e suas ligas - Produtos extrudados - Propriedades mecânicas
- ABNT - NBR 8.116 - Alumínio e suas ligas - Produtos extrudados - Tolerâncias dimensionais
- ABNT - NBR 15.969 - Componentes para esquadrias

ABNT NBR 7.000 - Alumínio e suas ligas

Esta Norma especifica as propriedades mecânicas dos perfis de alumínio e suas ligas, determinados nesse catálogo.

Tabela de propriedades físicas e mecânicas das ligas recomendadas.

Liga - Têmpera	Peso Específico (Kg/m)	Módulo Young (Elasticidade) (Mpa)	Temperatura De Fusão (°C)	Coefficiente De Expansão Linear (L/°C)	(LRT) Limite De Resistência a Tração (Mpa)	Limite Convencional De Escoamento (Mpa)
6060 - T5	2,71	70.000	600 - 650	23x10 ⁻⁶	150 (219)	110 (189)
6063 - T5	2,71	70.000	600 - 650	23x10 ⁻⁶	150 (219)	110 (189)
6063 - T6	2,71	70.000	600 - 650	24x10 ⁻⁶	205 (235)	170 (213)

Observações:

Dados de tensão expressos na unidade MEGAPASCAL (Mpa), equivale a 1 N/mm².

A medida da unidade Kgf/mm² é obtida dividindo-se o valor indicado por 9,807.

Os valores sem parênteses são os mínimos especificados e valores entre parênteses são os típicos esperados e referem-se aos produtos mais utilizados nas ligas/têmperas indicadas.

As características e as propriedades mecânicas das têmperas com alívio de tensão podem diferir daquelas correspondentes as têmperas básicas do produto.

Norma ABNT NBR 10.821

A norma ABNT NBR 10.821 estabelece os parâmetros mínimos de desempenho exigidos de esquadrias para instalações em edifícios.

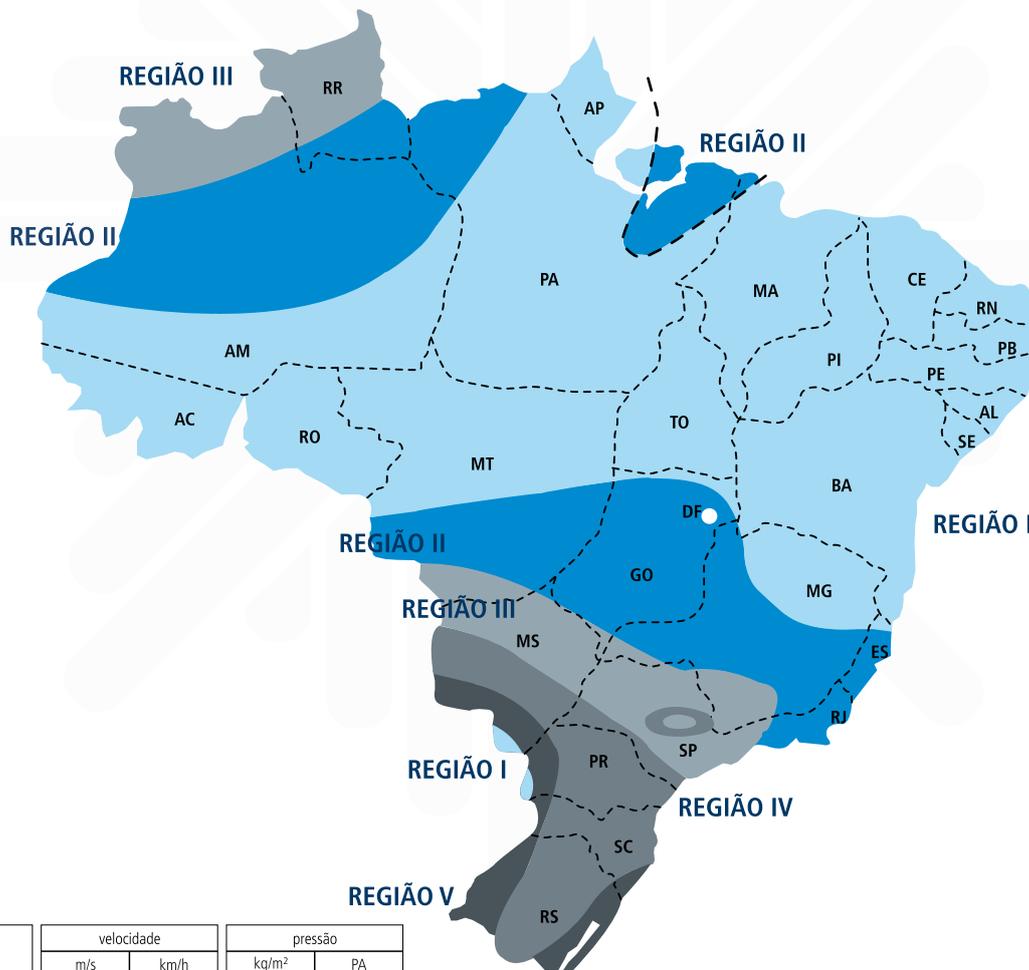
Ela trata dos seguintes requisitos para aplicações externas:

- Permeabilidade ao ar;
- Estanqueidade à água;
- Resistência as cargas uniformemente distribuídas;
- Resistência as operações de manuseio;

O atendimento das exigências estabelecidas pela norma é verificado através de ensaios específicos realizados em laboratórios especializados.

As exigências variam de acordo com a localização e algumas outras características da obra, como altura, a topografia, entre outras.

Figura 1 - Gráfico de isopletas de velocidade básica dos ventos no Brasil - ABNT 6123



Região	velocidade		pressão	
	m/s	km/h	kg/m ²	PA
I	30	108	77	756
II	35	126	105	1030
III	40	144	137	1345
IV	45	162	173	1698
V	50	180	214	2100

A velocidade do vento é o parâmetro inicial para calcularmos a pressão exercida o local, levando em conta a altura da obra, rugosidade do terreno, localização, entre outras características. Para facilitar a NBR 10821 trás uma tabela (tabela 1), que determina as pressões de ensaio, segurança e de água, válida para edifícios de até 30 pavimentos ou 90 metros de altura em todas as regiões do Brasil.

Os requisitos de classificação das esquadrias instaladas na posição vertical, em edifícios de uso residencial ou comercial, são no mínimo estabelecidos para as cinco classes em relação ao número de pavimentos e a altura da edificação. As pressões de ensaios a serem adotadas estão indicadas na Tabela 1 e na Figura 1, sendo sempre considerado o último pavimento da edificação onde as esquadrias forem ser instaladas, mantendo-se este valor para todos os pavimentos.

Para esquadrias instaladas nas situações a seguir, deve ser consultada a ABNT NBR 6123, para determinação da pressão de projeto (P_p) e pressão de ensaio (P_e), prevalecendo como o mínimo os valores da Tabela 1 .

- Edifícios em que as esquadrias não sejam instaladas na posição vertical;
- Edifícios de forma não retangular;
- Edifícios com exigências especiais;

Tabela 1 - Tabela de pressão de ensaio para cargas uniformemente distribuídas

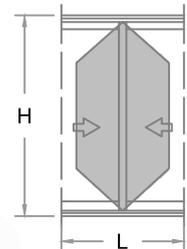
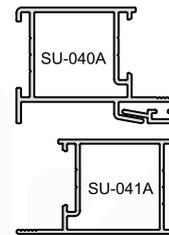
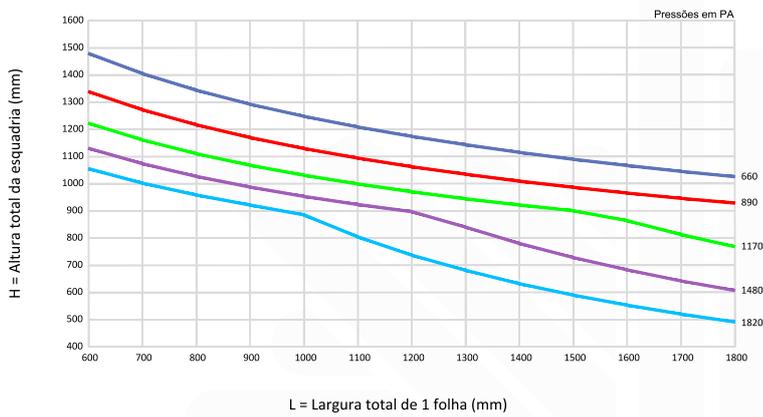
Tabela de pressão de ensaio para cargas uniformemente distribuídas					
Quantidade de pavimentos	Altura máxima	Região do País	Pressão de ensaio P_e , em (Pa) Positiva e negativa $P_e = P_p \times 1,2$	Pressão de segurança P_s , em (Pa) Positiva e negativa $P_s = P_e \times 1,5$	Pressão de água P_a , em (Pa) $P_a = P_p \times 0,20$
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 definidas, é possível verificar nas páginas dos 'Gráficos de Desempenho', as medidas máximas de largura e altura para as tipologias existentes em sua edificação. Para isso ligue o eixo de largura ou de altura na curva referente a pressão de ensaio encontrada e verifique a dimensão máxima correspondente.

Notas:

- Nos gráficos de desempenho a seguir, foram considerados os valores de 'Pressão de Ensaio' e ' Pressão de Segurança' de acordo com a norma ABNT NBR 10.821.
- As espessuras dos vidros devem ser calculadas utilizando-se o valor da 'Pressão de Segurança' requerida para a esquadria (para maiores informações consultar a ABNT NBR 10.821 - partes 2 e 3).

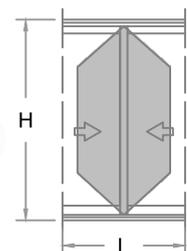
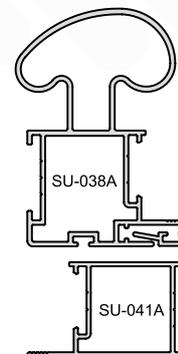
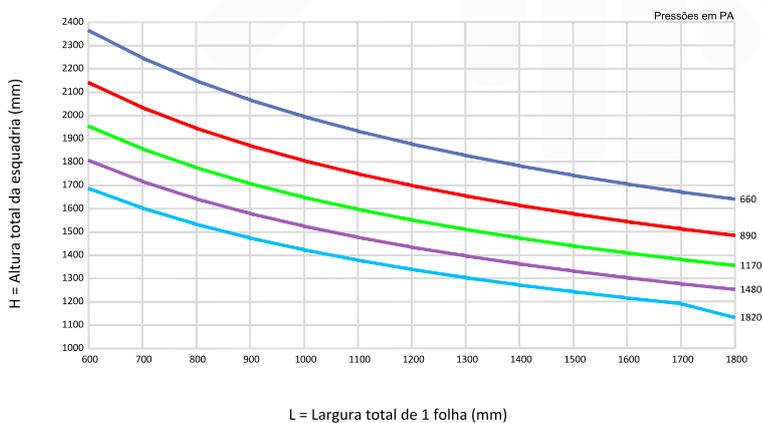
Janela De Correr 2, 3 e 4 Folhas



DADOS GEOMÉTRICOS	
SU-040A	SU-041A
Jx: 1,9419 Cm ⁴	Jx: 2,3102 Cm ⁴
Wx: 1,2566 Cm ³	Wx: 1,2623 Cm ³
Jxt: 4,2521 Cm ⁴	
Wxt: 2,5189 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

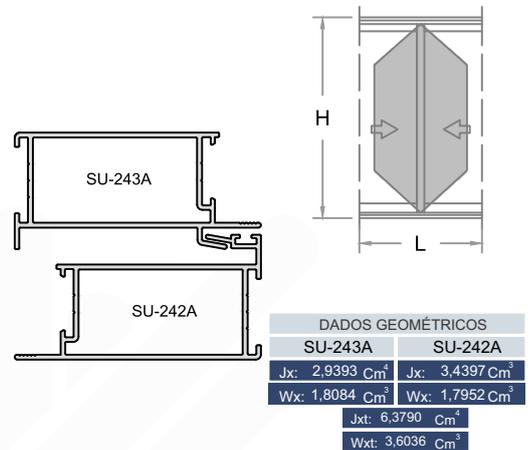
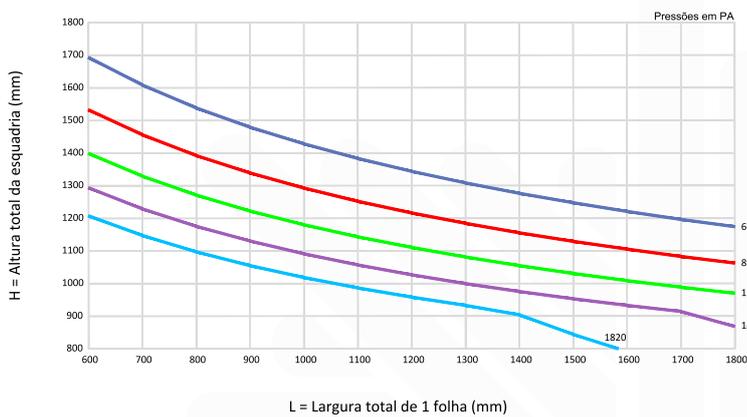
Janela De Correr 2, 3 e 4 Folhas



DADOS GEOMÉTRICOS	
SU-038A	SU-041A
Jx: 15,0803 Cm ⁴	Jx: 2,3102 Cm ⁴
Wx: 4,5390 Cm ³	Wx: 1,2623 Cm ³
Jxt: 17,3905 Cm ⁴	
Wxt: 5,8013 Cm ³	

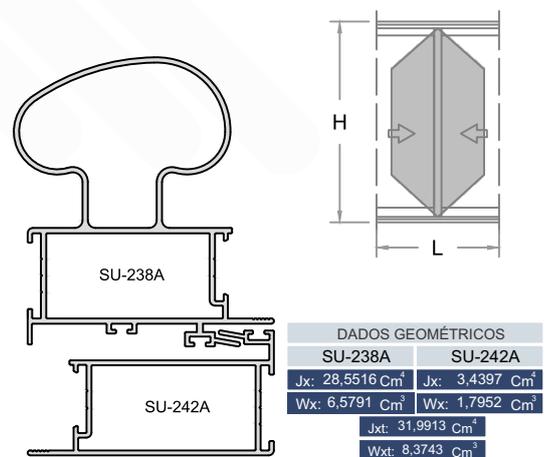
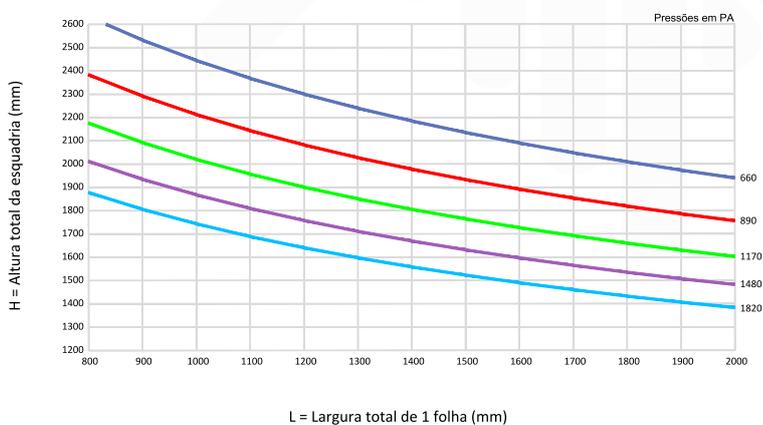
Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

Janela De Correr 2, 3 e 4 Folhas



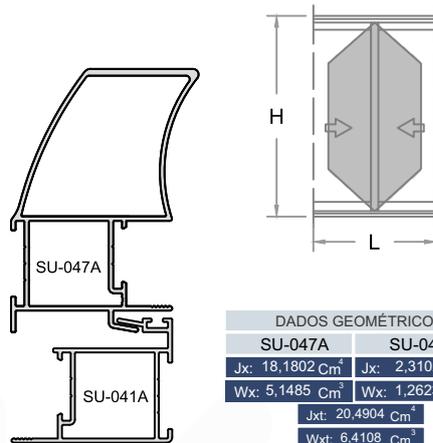
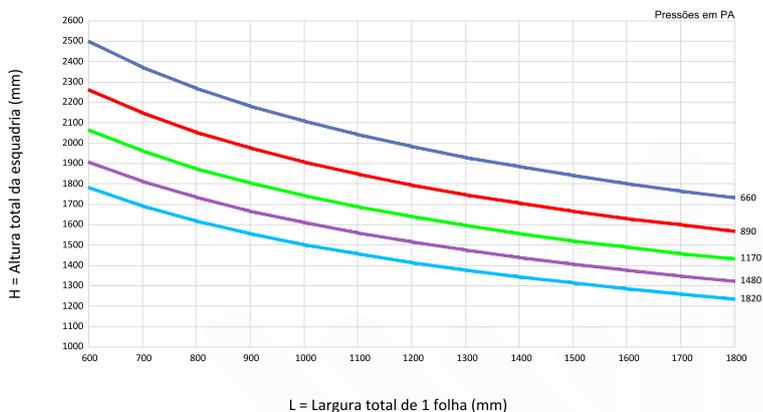
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 Flecha Admissível: H / 175 ou 30mm

Porta De Correr 2, 3 e 4 Folhas



Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

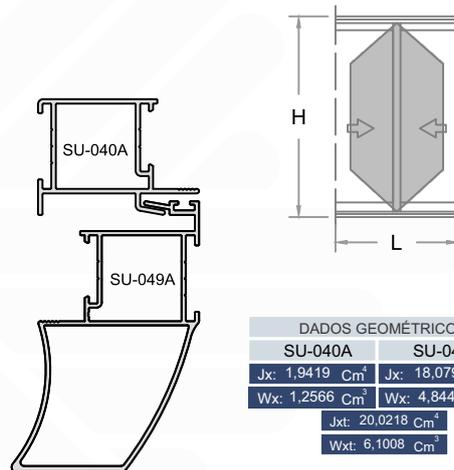
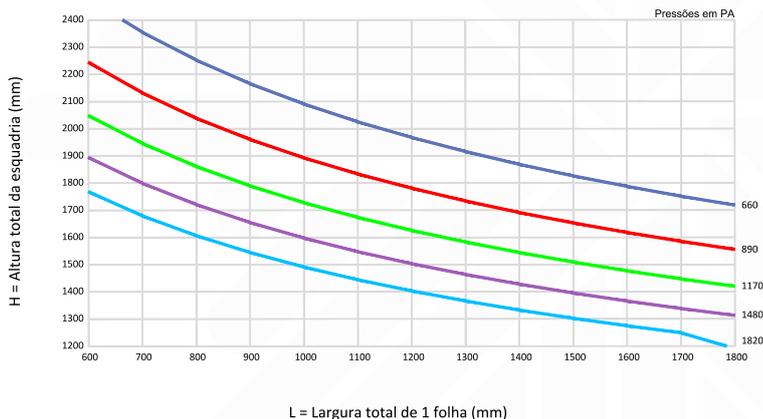
Janela De Correr 2, 3 e 4 Folhas



DADOS GEOMÉTRICOS	
SU-047A	SU-041A
Jx: 18,1802 Cm ²	Jx: 2,3102 Cm ⁴
Wx: 5,1485 Cm ³	Wx: 1,2623 Cm ³
Jxt: 20,4904 Cm ⁴	
Wxt: 6,4108 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

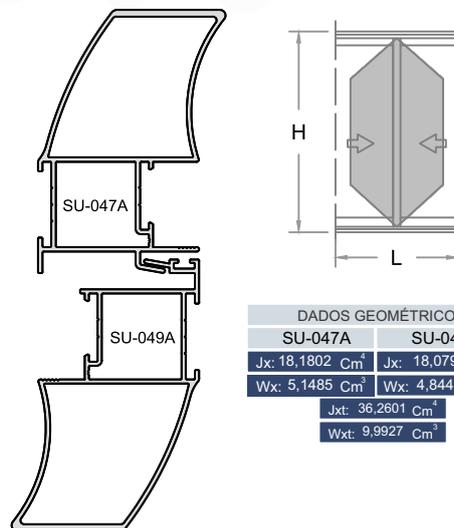
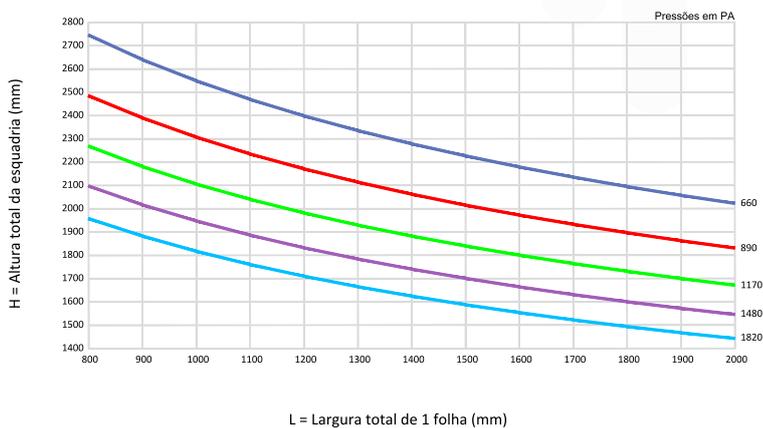
Janela De Correr 2, 3 e 4 Folhas



DADOS GEOMÉTRICOS	
SU-040A	SU-049A
Jx: 1,9419 Cm ²	Jx: 18,0799 Cm ⁴
Wx: 1,2566 Cm ³	Wx: 4,8442 Cm ³
Jxt: 20,0218 Cm ⁴	
Wxt: 6,1008 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

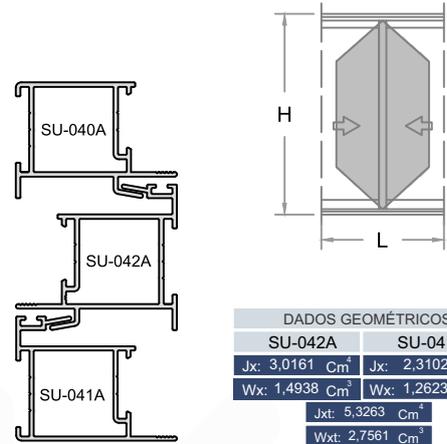
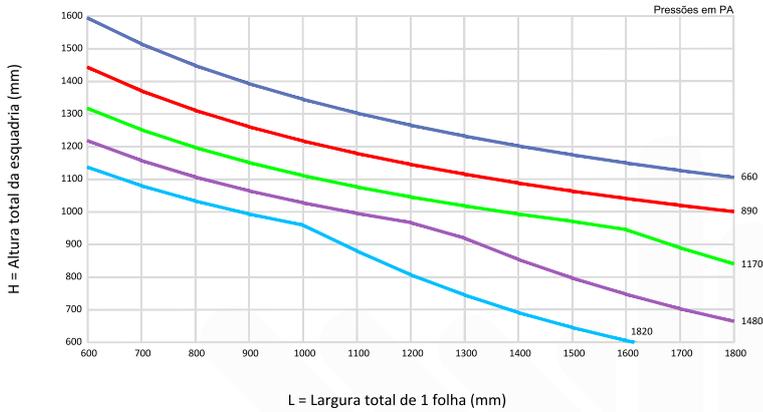
Porta De Correr 2, 3 e 4 Folhas



DADOS GEOMÉTRICOS	
SU-047A	SU-049A
Jx: 18,1802 Cm ²	Jx: 18,0799 Cm ⁴
Wx: 5,1485 Cm ³	Wx: 4,8442 Cm ³
Jxt: 36,2601 Cm ⁴	
Wxt: 9,9927 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

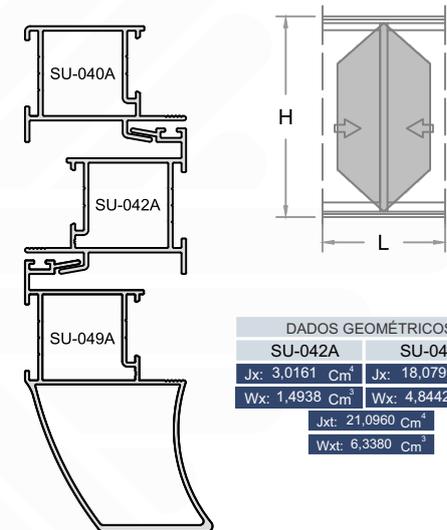
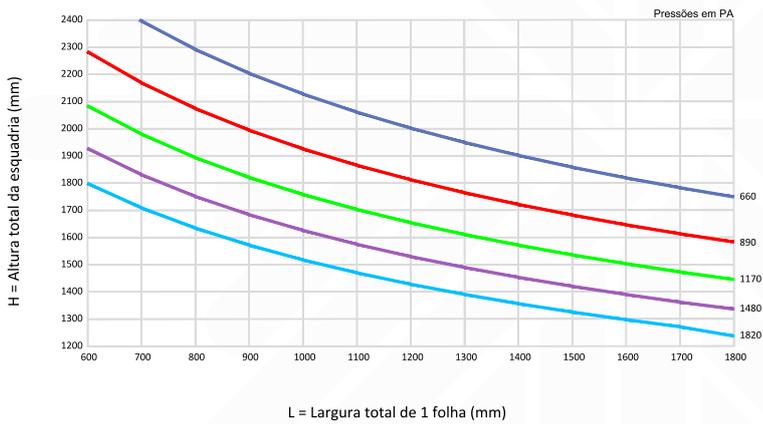
Janela De Correr 3 e 6 Folhas



DADOS GEOMÉTRICOS	
SU-042A	SU-041A
Jx: 3,0161 Cm ²	Jx: 2,3102 Cm ²
Wx: 1,4938 Cm ³	Wx: 1,2623 Cm ³
Jxt: 5,3263 Cm ⁴	
Wxt: 2,7561 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

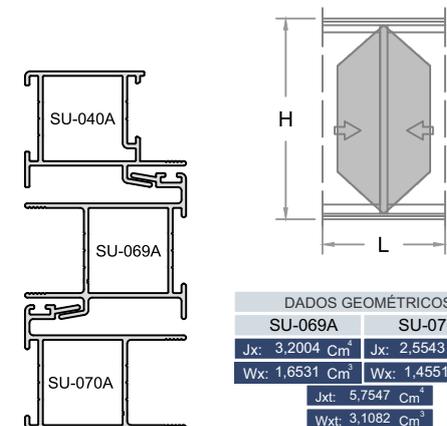
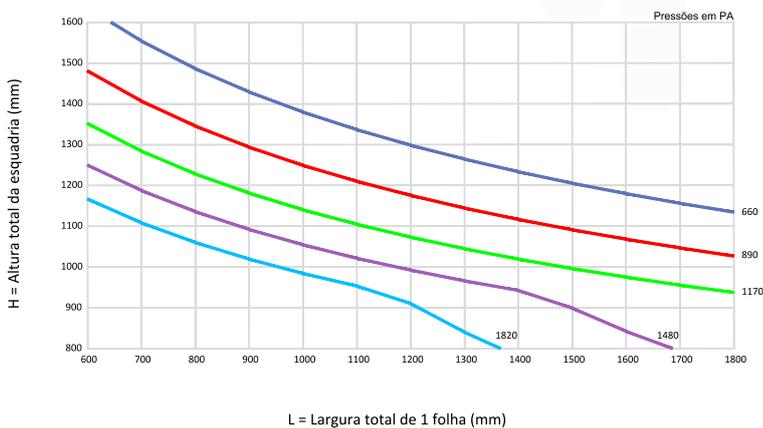
Porta De Correr 3 e 6 Folhas



DADOS GEOMÉTRICOS	
SU-042A	SU-049A
Jx: 3,0161 Cm ²	Jx: 18,0799 Cm ²
Wx: 1,4938 Cm ³	Wx: 4,8442 Cm ³
Jxt: 21,0960 Cm ⁴	
Wxt: 6,3380 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

Janela De Correr 3 e 6 Folhas



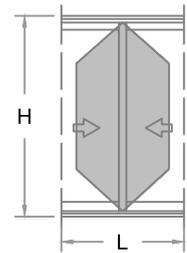
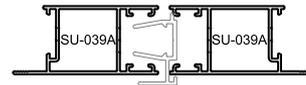
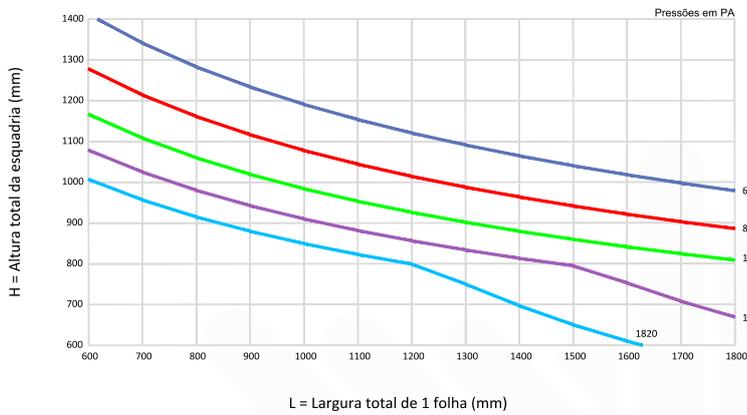
DADOS GEOMÉTRICOS	
SU-069A	SU-070A
Jx: 3,2004 Cm ²	Jx: 2,5543 Cm ²
Wx: 1,6531 Cm ³	Wx: 1,4551 Cm ³
Jxt: 5,7547 Cm ⁴	
Wxt: 3,1082 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25

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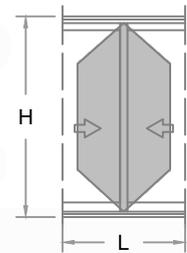
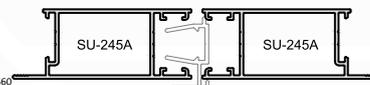
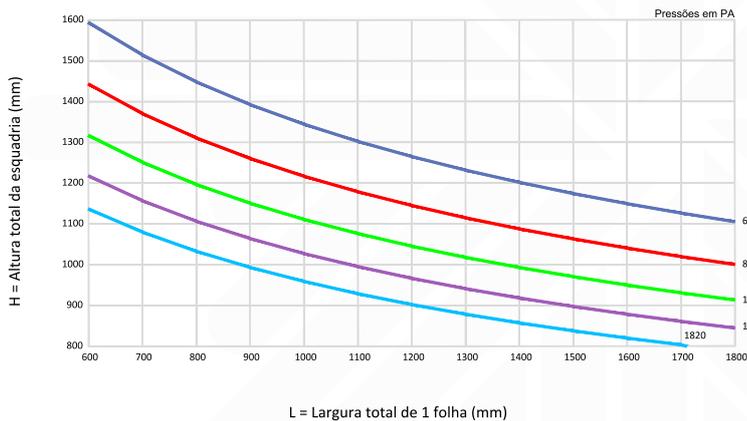
Janela De Correr 4, 6 e 8 Folhas



DADOS GEOMÉTRICOS	
SU-039A	SU-039A
Jx: 1,8500 Cm ²	Jx: 1,8500 Cm ²
Wx: 1,3886 Cm ³	Wx: 1,3886 Cm ³
Jxt: 3,7000 Cm ⁴	
Wxt: 2,7772 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

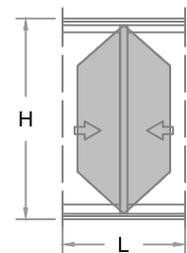
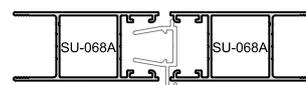
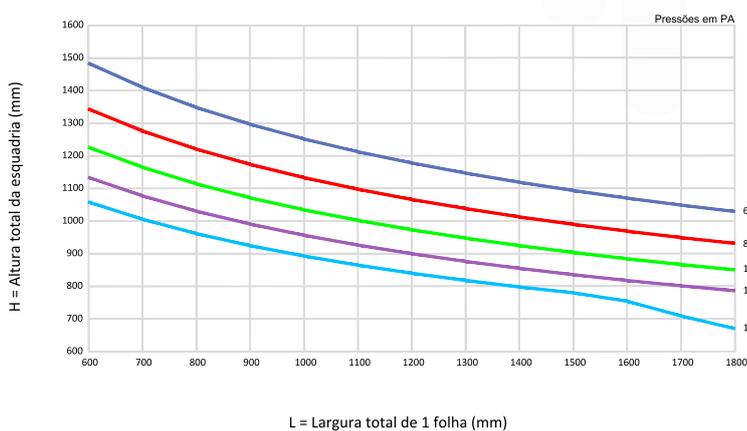
Janela De Correr 4, 6 e 8 Folhas



DADOS GEOMÉTRICOS	
SU-245A	SU-245A
Jx: 2,6608 Cm ²	Jx: 2,6608 Cm ²
Wx: 1,9743 Cm ³	Wx: 1,9743 Cm ³
Jxt: 5,3216 Cm ⁴	
Wxt: 3,9486 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

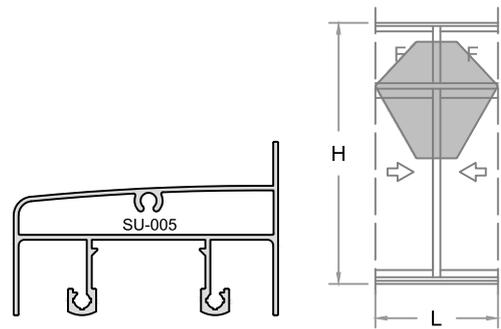
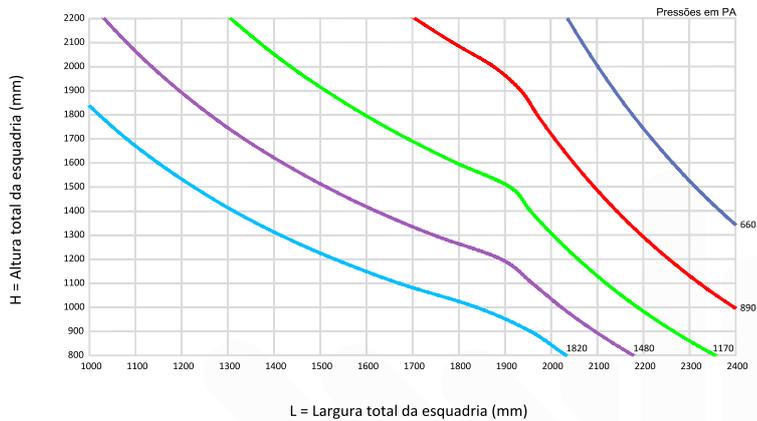
Janela De Correr 4, 6 e 8 Folhas



DADOS GEOMÉTRICOS	
SU-068A	SU-068A
Jx: 2,1474 Cm ²	Jx: 2,1474 Cm ²
Wx: 1,7169 Cm ³	Wx: 1,7169 Cm ³
Jxt: 4,2948 Cm ⁴	
Wxt: 3,4338 Cm ³	

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

Janela De Correr 2 e 4 Folhas

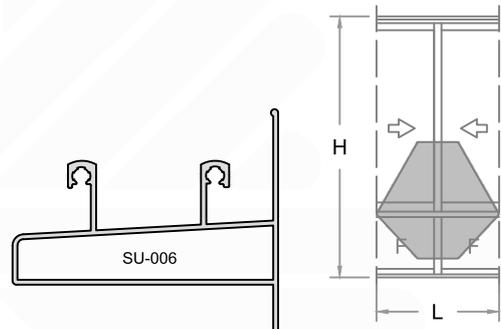
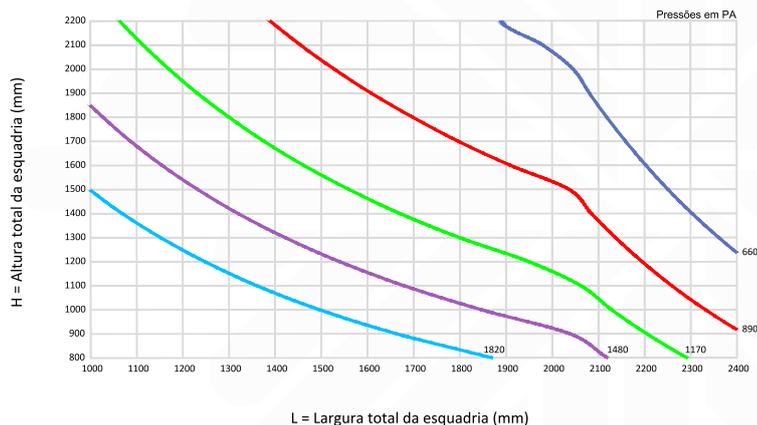


DADOS GEOMÉTRICOS		
SU-005		
Jy:	20,3369	Cm ⁴
Wy:	5,2328	Cm ³

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: L / 175 ou 30mm

Notas:
 Atenção a deformação pelo peso próprio da estrutura.

Janela De Correr 2 e 4 Folhas

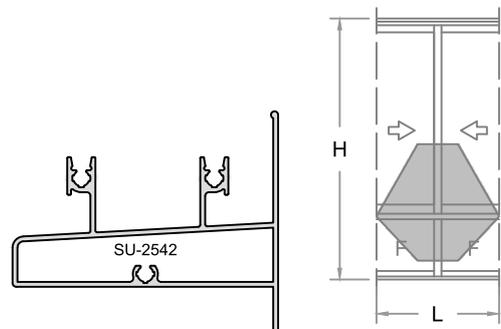
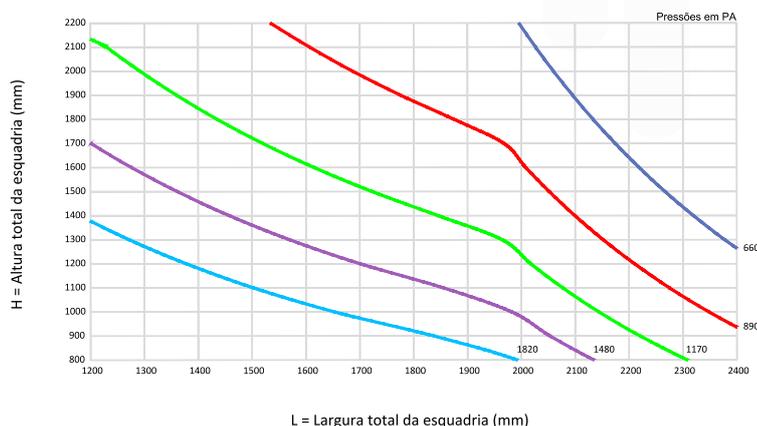


DADOS GEOMÉTRICOS		
SU-006		
Jy:	18,7489	Cm ⁴
Wy:	4,2611	Cm ³

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: L / 175 ou 30mm

Notas:
 Atenção a deformação pelo peso próprio da estrutura.

Janela De Correr 2 e 4 Folhas



DADOS GEOMÉTRICOS		
SU-2542		
Jy:	19,1426	Cm ⁴
Wy:	4,7065	Cm ³

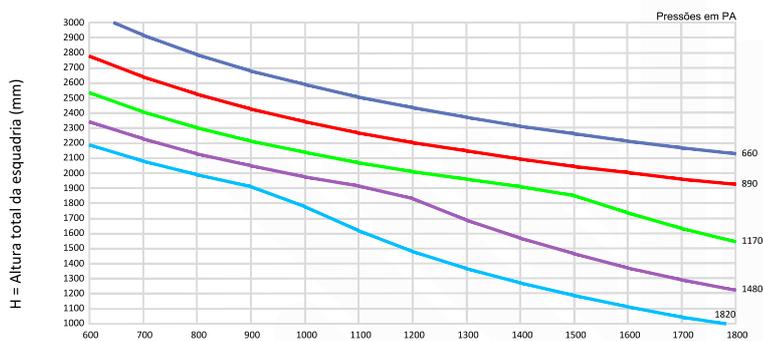
Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: L / 175 ou 30mm

Notas:
 Atenção a deformação pelo peso próprio da estrutura.

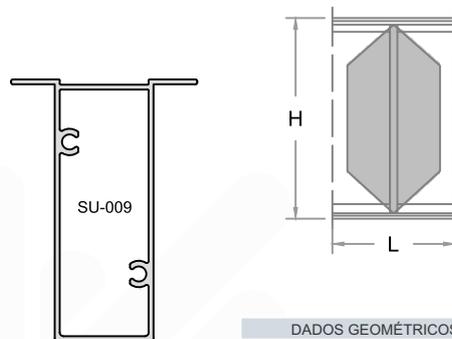
SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25

REV04

Maxim-ar / Fixo



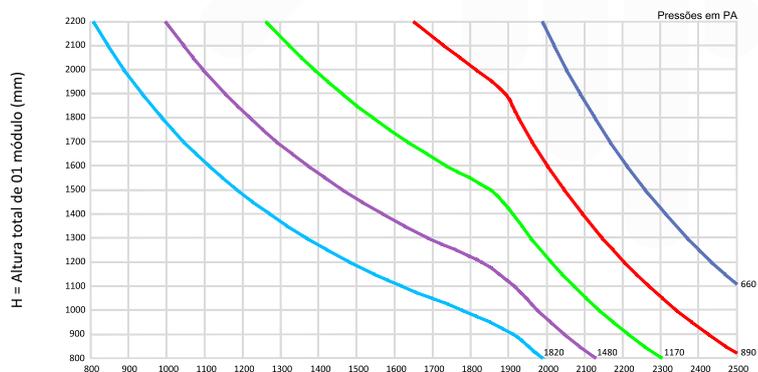
L = Largura total de 01 módulo (mm)



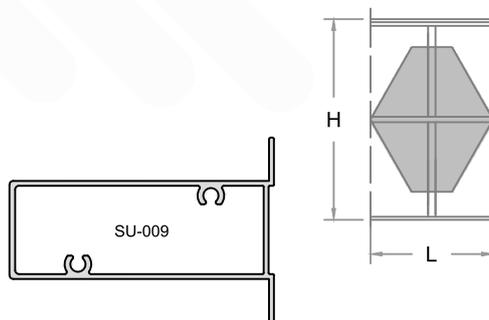
DADOS GEOMÉTRICOS		
SU-009		
Jx:	18,9853	Cm ⁴
Wx:	5,0629	Cm ³

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

Maxim-ar / Fixo



L = Largura total da esquadria (mm)

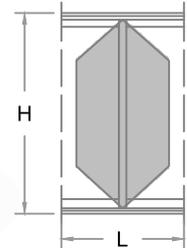
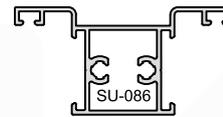
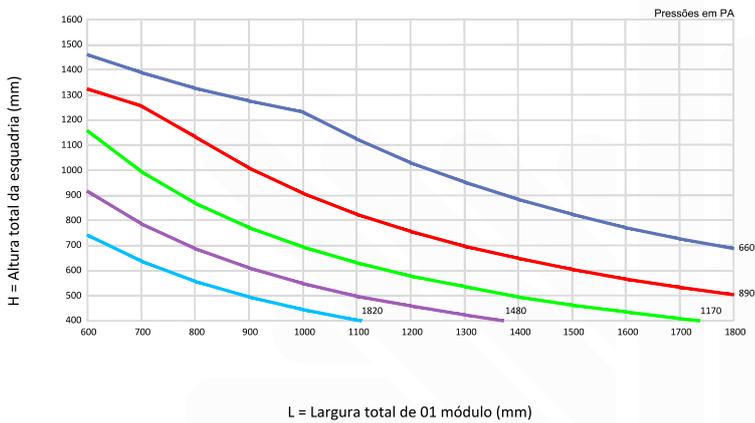


DADOS GEOMÉTRICOS		
SU-009		
Jy:	18,9853	Cm ⁴
Wy:	5,0629	Cm ³

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: L / 175 ou 30mm

Notas:
 Atenção a deformação pelo peso próprio da estrutura.

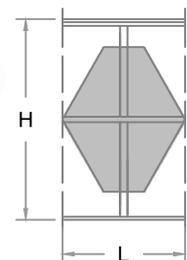
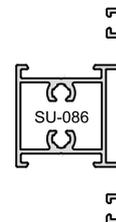
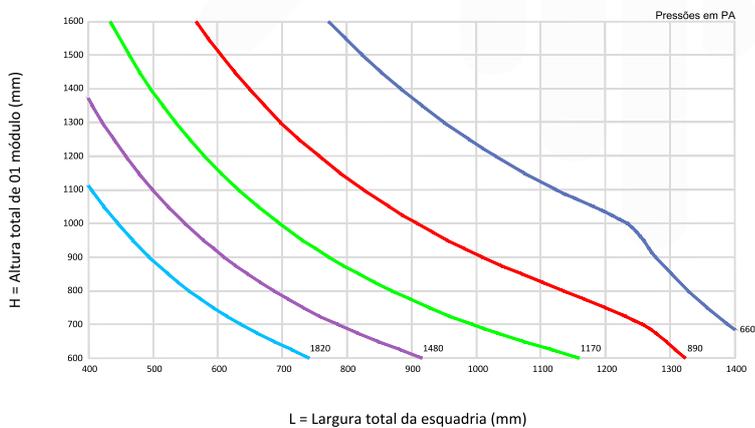
Maxim-ar / Fixo



DADOS GEOMÉTRICOS		
SU-086		
Jx:	2,0541	Cm ⁴
Wx:	1,2668	Cm ³

Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: H / 175 ou 30mm

Maxim-ar / Fixo

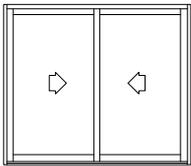


DADOS GEOMÉTRICOS		
SU-086		
Jy:	2,0541	Cm ⁴
Wy:	1,2668	Cm ³

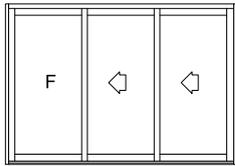
Tensão Admissível: 7 Kg/mm² (Liga 6060-T5)
 Flecha Admissível: L / 175 ou 30mm

Notas:
 Atenção a deformação pelo peso próprio da estrutura.

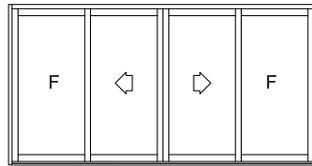
Janelas De Correr



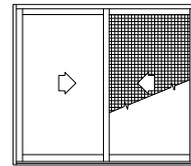
Janela de Correr 2 Folhas



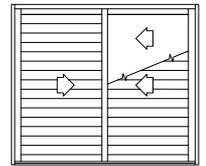
Janela de Correr 3 Folhas



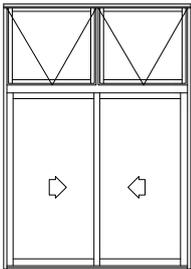
Janela de Correr 4 Folhas



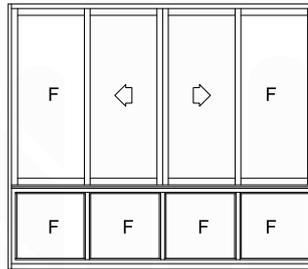
Janela de Correr 3 Folhas Com Mosquiteira



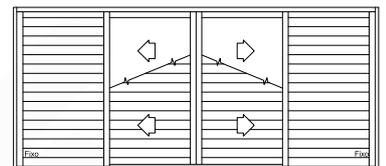
Janela de Correr 3 Folhas Com Mosquiteira



Janela de Correr 2 Folhas Com Bandeira

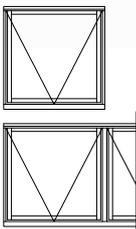


Janela de Correr 4 Folhas Com Peitoril

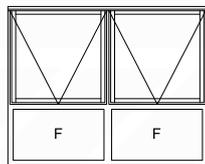


Janela de Correr 6 Folhas Com Venezuela e Vidro

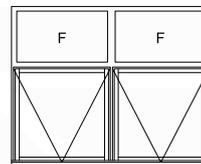
Janelas Maxim Ar



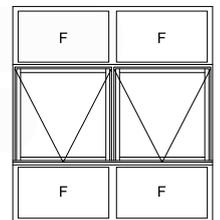
Janela Maxim Ar "N" Módulos



Janela Maxim Ar com Peitoril

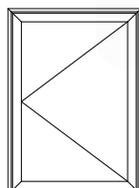


Janela Maxim Ar com Bandeira

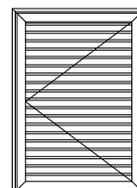


Janela Maxim Ar com Bandeira e Peitoril

Portinholas

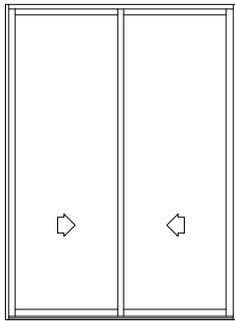


Portinhola 1 Folha com Vidro

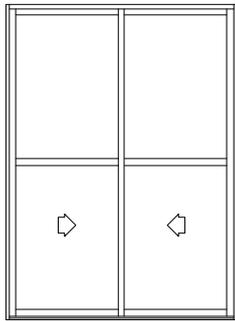


Portinhola 1 Folha com Veneziana

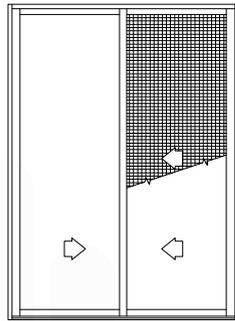
Portas De Correr



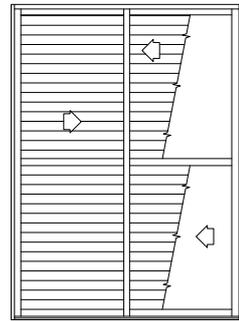
Porta de Correr 2 Folhas Sem Travessa



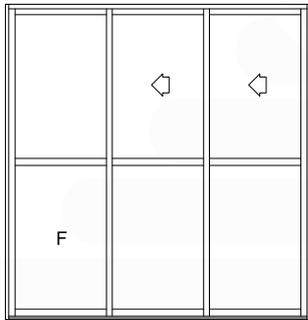
Porta de Correr 2 Folhas Com Travessa



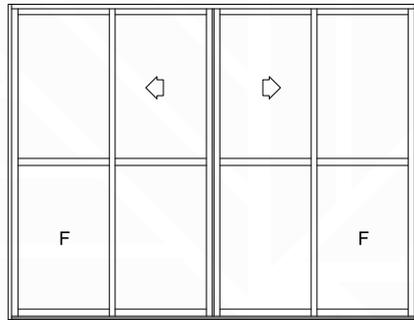
Porta de Correr 3 Folhas Com Mosquiteira



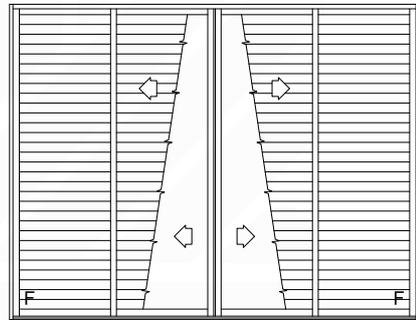
Porta de Correr 3 Folhas Com Travessa Com Vidro e Venezianas



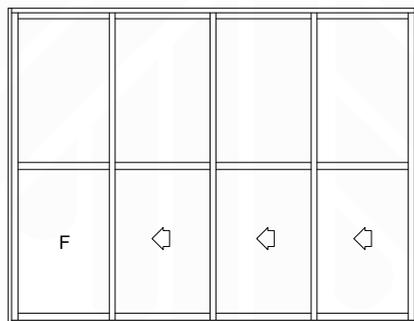
Porta de Correr 3 Folhas Com e Sem Travessa



Porta de Correr 4 Folhas Com e Sem Travessa

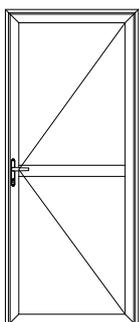


Porta de Correr 6 Folhas Com e Sem Travessa Com Vidros e Venezianas

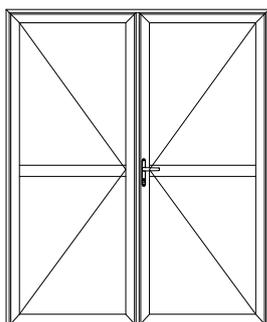


Porta de Correr 4 Folhas Com e Sem Travessa

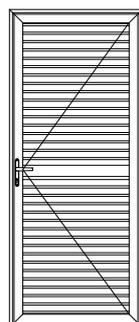
Portas De Giro



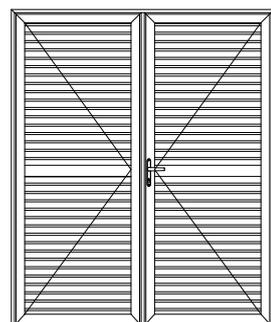
Porta de Giro 1 Folhas Com e Sem Travessa



Porta de Giro 2 Folhas Com e Sem Travessa



Porta de Giro 1 Folha Com e Sem Travessa Com Veneziana ou Lambri



Porta de Giro 2 Folhas Com e Sem Travessa Com Veneziana ou Lambri

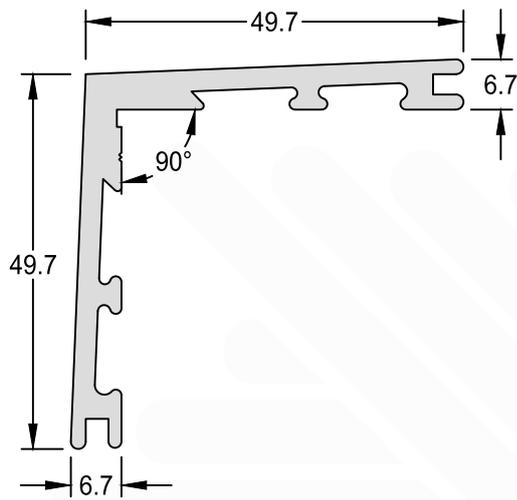
SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25 REV04

ÍNDICE DE PERFIS

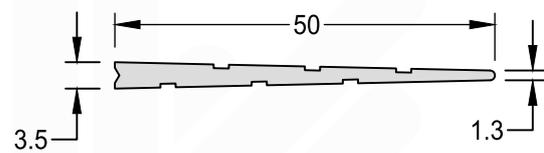
Código	Descrição	Página	Código	Descrição	Página
25-002	Marco Portinhola	42	SU-111	Folha Perimetral - Porta de Giro	44
25-016	Folha Perimetral - Portinhola	43	SU-121	Marco superior horizontal	32
25-514	Marco Lateral	42	SU-123	Marco lateral vertical	32
25-540	Marco Tubular - Porta de Giro	44	SU-186	folha Inferior e Superior S/baguete	37
25-541	Coluna / Travessa	44	SU-187A	Folha Superior e Inferior Horizontal - Veneziana	38
25-542A	Folha Perimetral - Porta de Giro	43	SU-188	Travessa Central 50mm S/Baguete	37
25-548	Batente - Porta de Giro	44	SU-200	Folha Inferior e Lateral -Maxim-ar	41
ADI-015	Vedação Montante	39	SU-203	Baguete Terminal - Veneziana	45
ADI-016	Chumbador para contramarco	19	SU-203A	Complemento - Veneziana	46
ADI-017	Arremate Vertical e Horizontal	22	SU-225	Folha Inferior Horizontal	33
ADI-349	Arremate Vertical e Horizontal	23	SU-226	folha Inferior e horizontal S/baguete	37
BG-001	Baguete Vertical e Horizontal	43	SU-227	Travessa 60mm	33
CL-006	Cantoneira de ligação 45°	19	SU-228	Marco Inferior Horizontal	26
CL-011	Cunha de ligação 45°	19	SU-230	Marco Inferior Horizontal	30
CM-060A	Contramarco	20	SU-238A	Folha Mão de Amigo Interno C/ Reforço	36
CM-098	Contramarco inferior- Portas	20	SU-242A	Folha Mão de Amigo externo	36
CM-151	Contramarco Inferior - Portas	20	SU-243A	Folha Mão de Amigo interno	36
CM-173	Contramarco	21	SU-245A	Folha Lateral Vertical	34
CM-174	Contramarco	21	SU-246A	Folha Superior e Inferior Horizontal	33
CM-200A	Contramarco	20	SU-2522	Marco Inferior Horizontal	35
IT-100	Arremate Vertical e Horizontal	22	SU-2523	Marco Inferior Horizontal	26
IT-101	Arremate Vertical e Horizontal	22	SU-2541	Marco Inferior Horizontal	35
IT-102	Arremate Vertical e Horizontal	23	SU-2542	Travessa Intermediária-Peitoril	26
LB-035	Lambri Liso	49	SU-2569	Marco Inferior Horizontal	32
LB-050	Lambri Frisado	49	SU-258	Click Trilho	28
LB-061	Lambri Duplo - Liso	50	SU-2621	Marco Inferior Horizontal	29
LG-037	Veneziana - Ventilação Permanente	48	SU-2622	Marco Inferior Horizontal	30
ME-013	Arremate de piso	23	SU-292	Inverso de Baguete	40
SU-001	Marco superior Horizontal	24	TM-171	Quadro Mosquiteira	39
SU-002	Marco Inferior Horizontal	25	VZ-024	Veneziana Baixa - Cega	47
SU-003	Marco Lateral vertical	27	VZ-024F	Veneziana Baixa - Ventilada	47
SU-004	Marco bandeira/peitoril	24	VZ-051	Veneziana - Cega	47
SU-005	Travessa Intermediária -Bandeira	24	VZ-051F	Veneziana - Ventilada	47
SU-006	Travessa Intermediária-Peitoril	26	VZ-106	Veneziana - Cega	48
SU-007	Marco Lateral vertical	27	VZ-106F	Veneziana - Ventilada	48
SU-008A	Complemento do marco lateral	28			
SU-009	Coluna	28			
SU-010	Marco superior horizontal	29			
SU-011	Marco Inferior Horizontal	29			
SU-012	Marco lateral vertical	31			
SU-013	Marco lateral vertical	31			
SU-014	Marco lateral vertical	31			
SU-018	Marco bandeira /peitoril	30			
SU-022	Marco Inferior Horizontal	25			
SU-038A	Folha Mão de Amigo Interno C/ Reforço	36			
SU-039A	Folha Lateral Vertical	34			
SU-040A	Folha Mão de Amigo Interno	35			
SU-041A	Folha Mão de Amigo Externo	35			
SU-042A	Folha Mão de Amigo Central	34			
SU-047A	Folha Mão de Amigo Interno C/ Reforço	35			
SU-049A	Folha Mão de Amigo externo C/ Reforço	35			
SU-053	Folha Superior e Inferior Horizontal	33			
SU-064	Folha Perimetral - Portinhola	33			
SU-065	Marco Portinhola	32			
SU-068A	Folha Lateral Vertical - Veneziana	38			
SU-069A	Folha Mão de Amigo Central- Veneziana	38			
SU-070A	Folha Mão De Amigo- Veneziana	38			
SU-071	Complemento Marco	42			
SU-079	Marco Tubular - Maxim-ar	40			
SU-080	Folha Superior - Maxim-ar	41			
SU-083	Pingadeira -Maxim-ar	40			
SU-086	Coluna / Travessa	40			
SU-102A	Baguete Vertical e Horizontal	45			
SU-102B	Baguete Vertical	45			
SU-102C	Baguete Vertical e Horizontal	45			
SU-103A	Baguete do Marco Maxim-ar	46			
SU-103B	Baguete do Marco Maxim-ar	46			
SU-108	Complemento - Veneziana	46			

Cantoneira de Ligação 45°

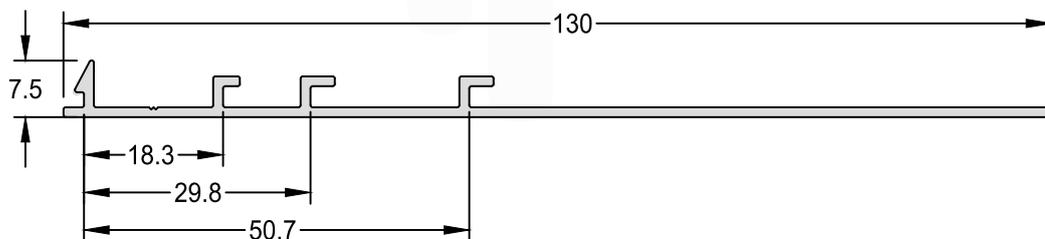
CL-006	1,028 kg/m
Medida Padrão	3000mm


Cunha de Ligação 45°

CL-011	0,304 kg/m
Medida Padrão	3000mm


Chumbador para Contramarco

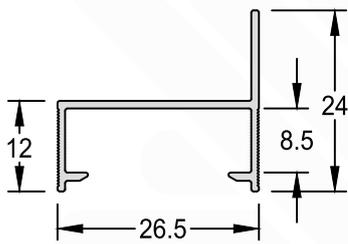
ADI-016	0,556 kg/m
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Contramarco

CM-200A

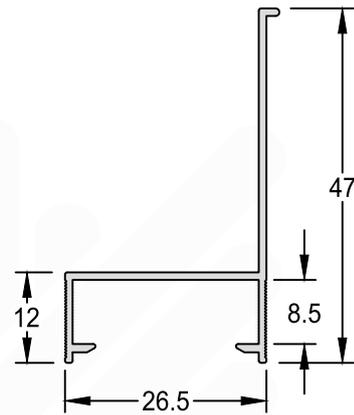
0,174 kg/m



Contramarco Inferior - Portas

CM-151

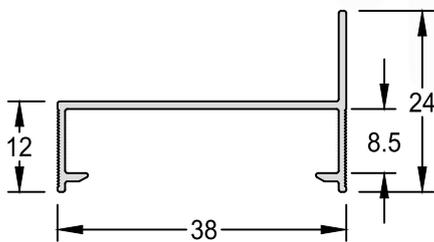
0,241 kg/m



Contramarco

CM-060A

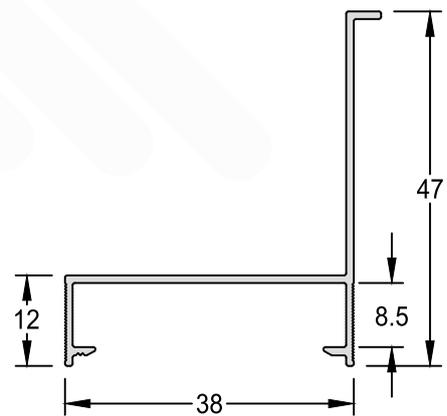
0,205 kg/m



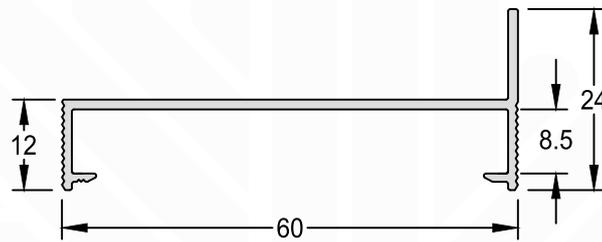
Contramarco Inferior - Portas

CM-098

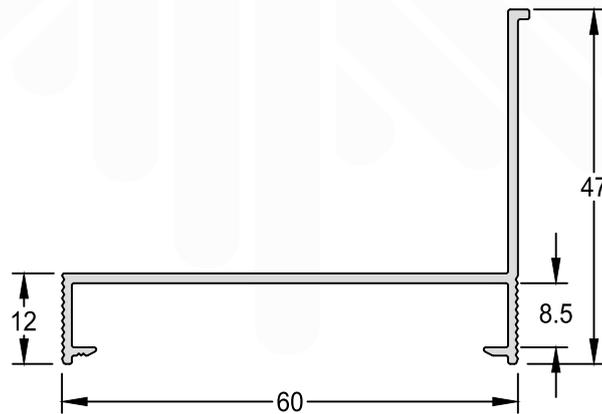
0,277 kg/m



Contramarco
CM-174 0,336 kg/m



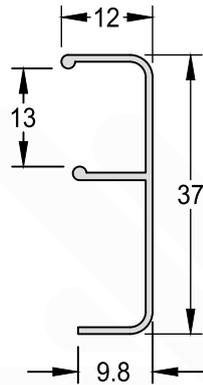
Contramarco
CM-173 0,423 kg/m



Arremate Vertical e Horizontal

ADI-017

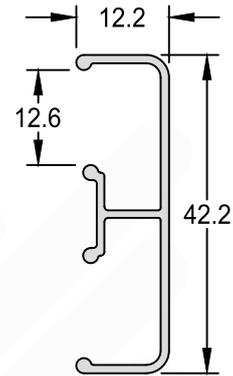
0,165 kg/m



Arremate Vertical e Horizontal

IT-101

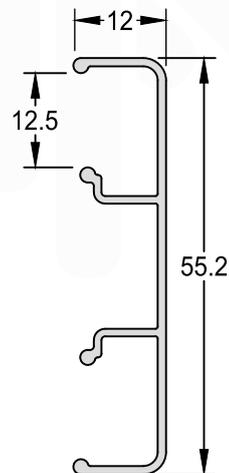
0,259 kg/m



Arremate Vertical e Horizontal

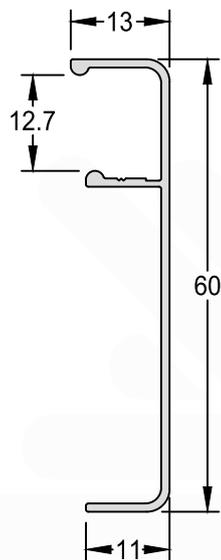
IT-100

0,307 kg/m



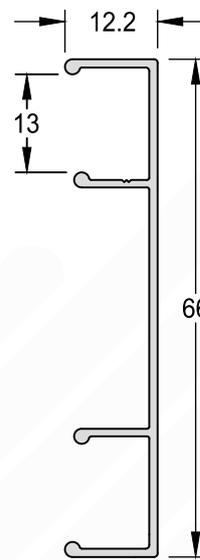
Arremate Vertical e Horizontal

ADI-349 0,276 kg/m



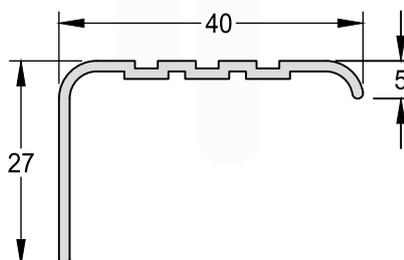
Arremate Vertical e Horizontal

IT-102 0,330 kg/m



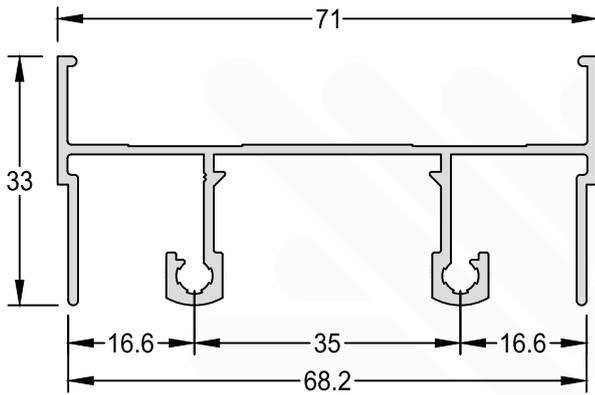
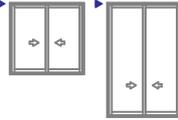
Arremate de Piso

ME-013 0,270 kg/m



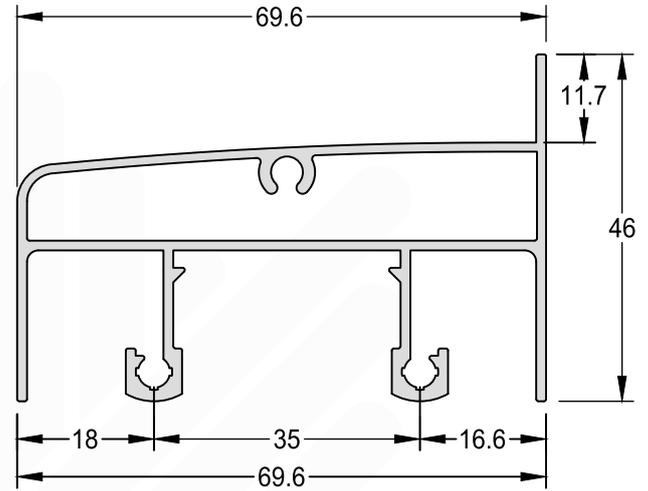
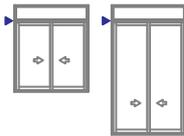
Marco Superior Horizontal

SU-001 0,737 kg/m



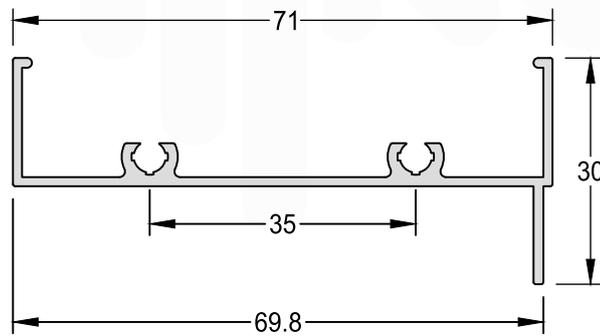
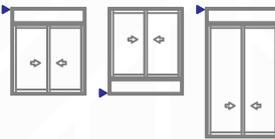
**Travessa Intermediária -
Bandeira**

SU-005 1,034 kg/m



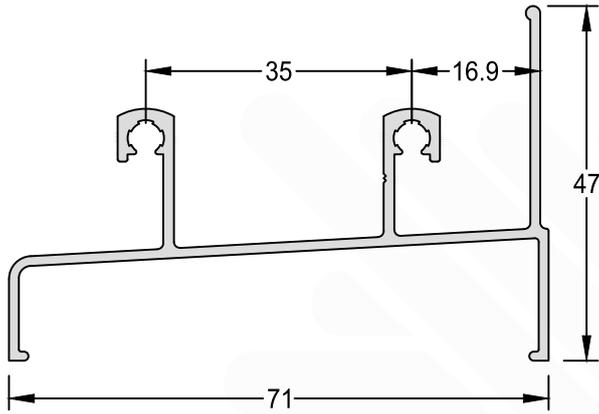
Marco Bandeira / Peitoril

SU-004 0,481 kg/m



Marco Inferior Horizontal

SU-002 0,700 kg/m

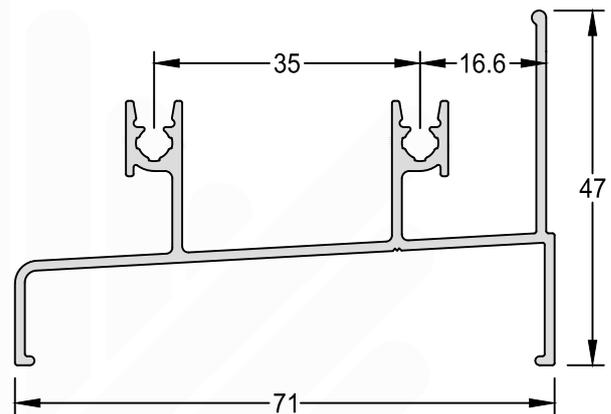


Marco Inferior Horizontal

SU-2541 0,725 kg/m

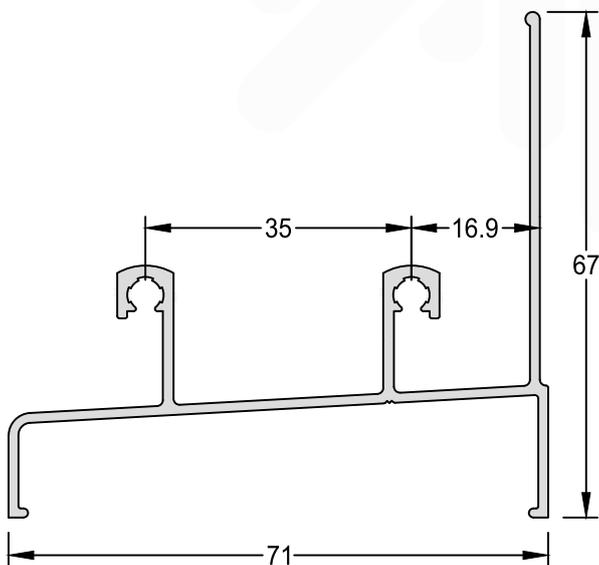


Encaixe: NYL2586/ SU-258



Marco Inferior Horizontal

SU-022 0,770 kg/m

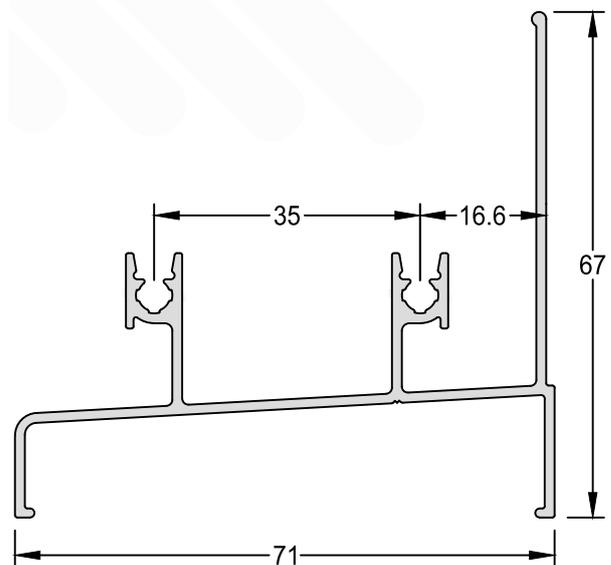


Marco Inferior Horizontal

SU-2522 0,796 kg/m

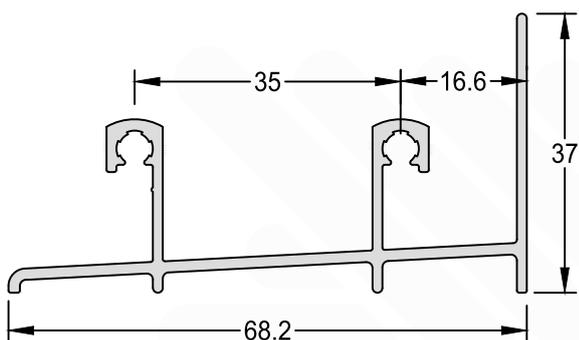


Encaixe: NYL2586/ SU-258



Marco Inferior Horizontal

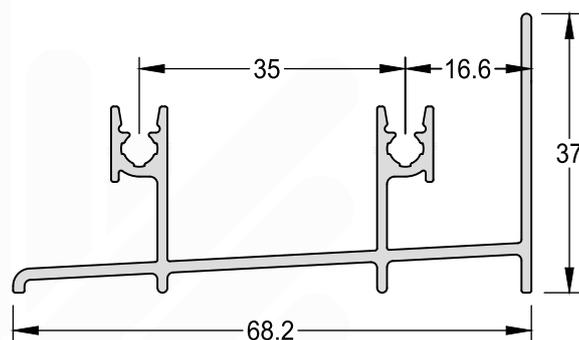
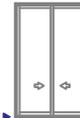
SU-228 0,665 kg/m



Marco Inferior Horizontal

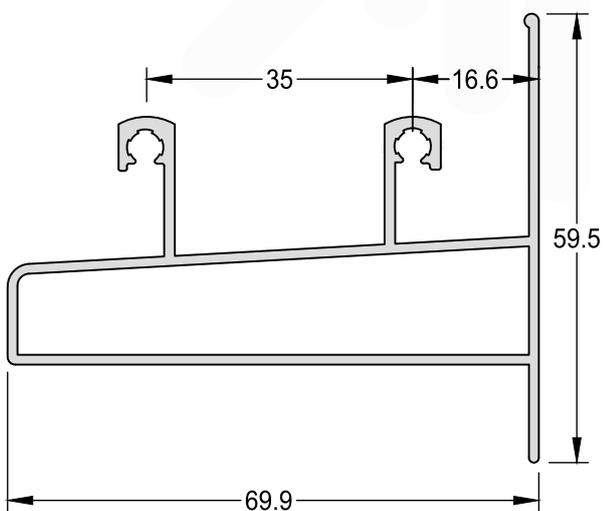
SU-2523 0,697 kg/m

Encaixe: NYL2586/ SU-258



**Travessa Intermediária -
Peitoril**

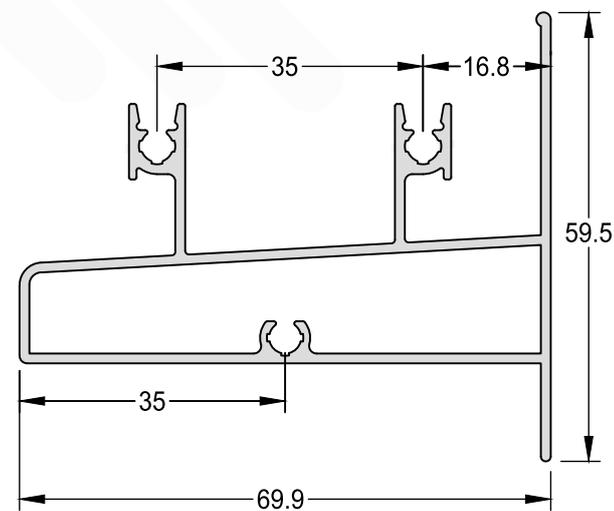
SU-006 0,968 kg/m



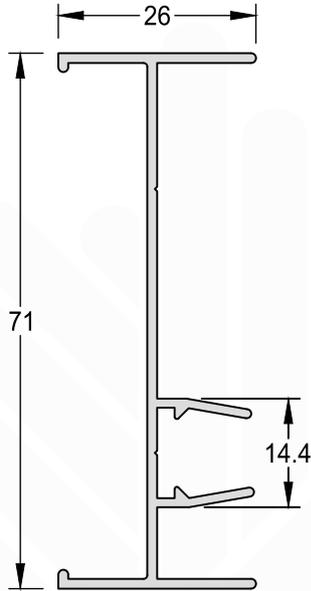
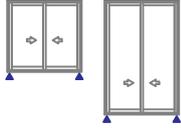
**Travessa Intermediária -
Peitoril**

SU-2542 1,022 kg/m

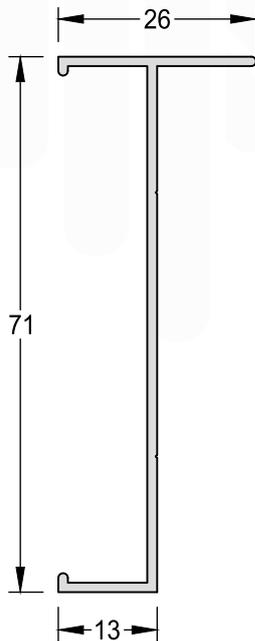
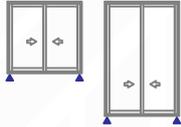
Encaixe: NYL2586/ SU-258



Marco Lateral Vertical
SU-003 0,521 kg/m



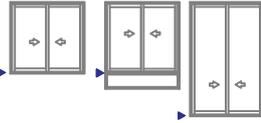
Marco Lateral Vertical
SU-007 0,380 kg/m



Click Trilho

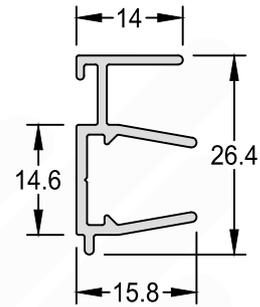
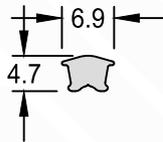
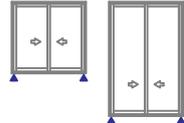
SU-258 0,059 kg/m

Encaixe: SU-022/ SU-2522/ SU-2523/ SU-2541/
SU-2542/ SU-2569/ SU-2621/ SU-2622



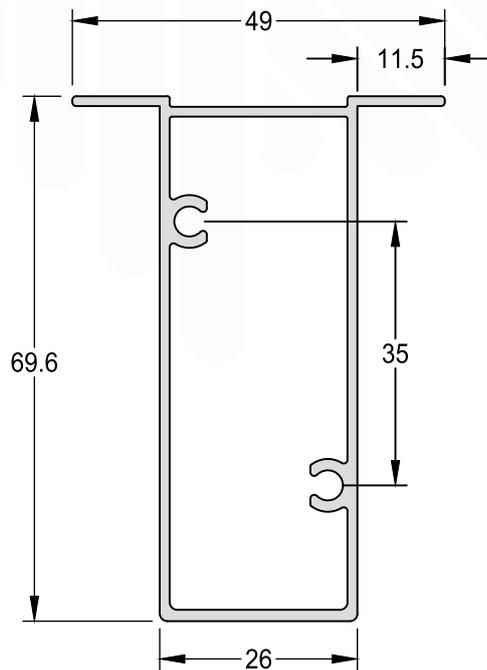
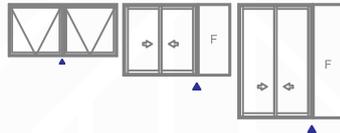
Complemento do Marco Lateral

SU-008A 0,249 kg/m



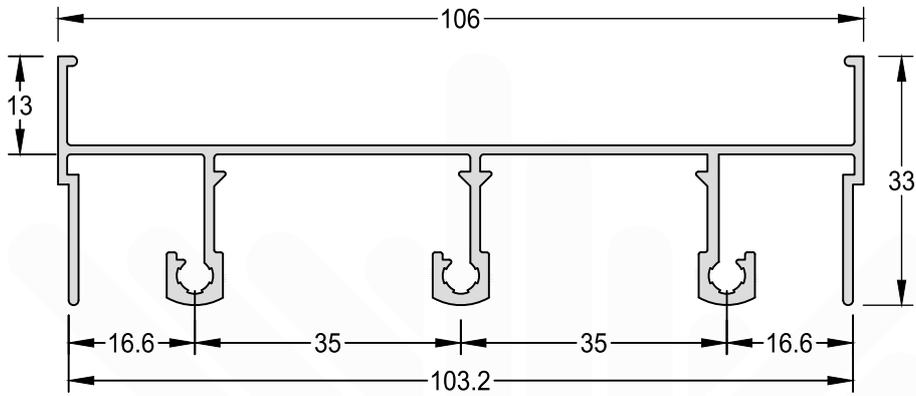
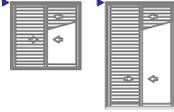
Coluna

SU-009 0,845 kg/m



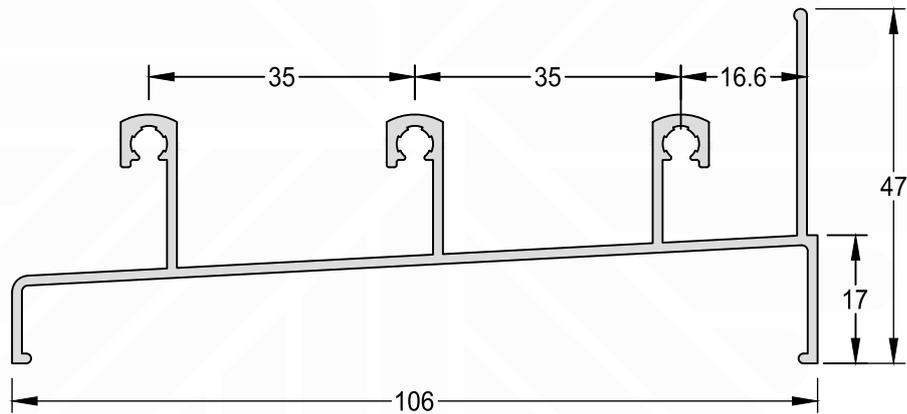
Marco Superior Horizontal

SU-010 0,985 kg/m



Marco Inferior Horizontal

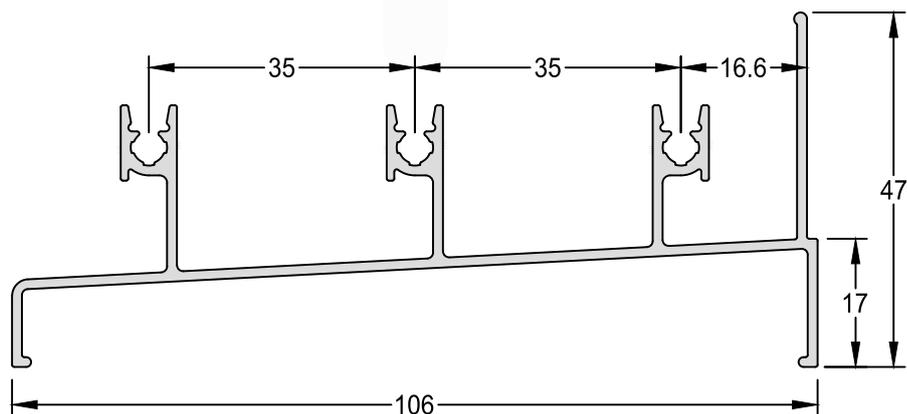
SU-011 0,933 kg/m



Marco Inferior Horizontal

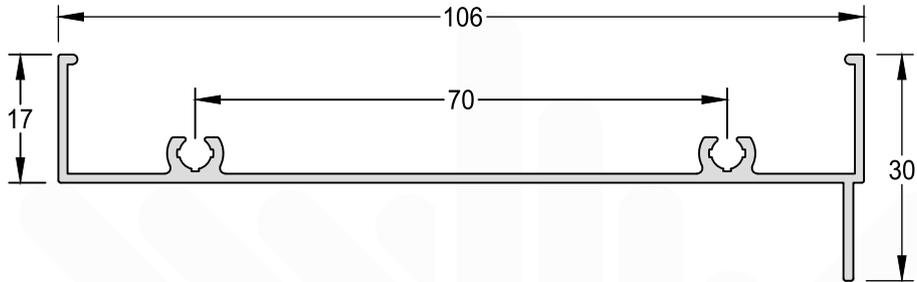
SU-2621 0,984 kg/m

Encaixe: NYL2586/ SU-258



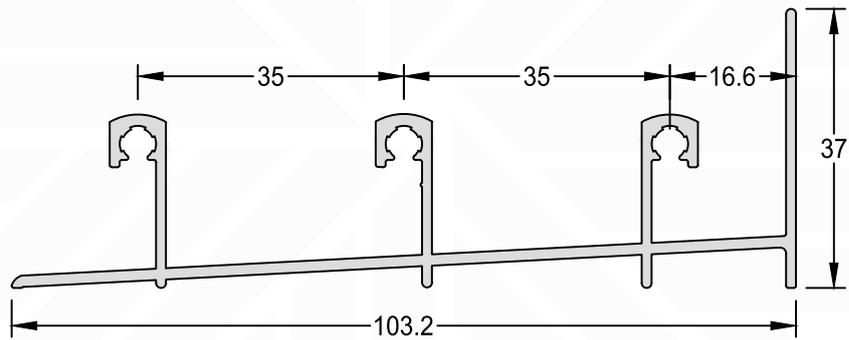
Marco Bandeira / Peitoril

SU-018 0,601 kg/m



Marco Inferior Horizontal

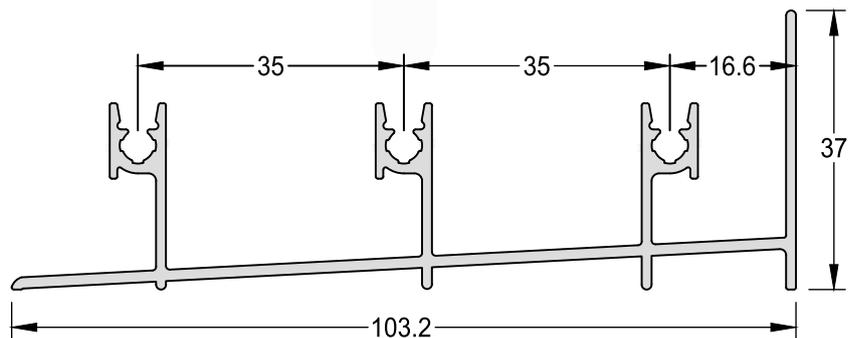
SU-230 0,930 kg/m



Marco Inferior Horizontal

SU-2622 0,978 kg/m

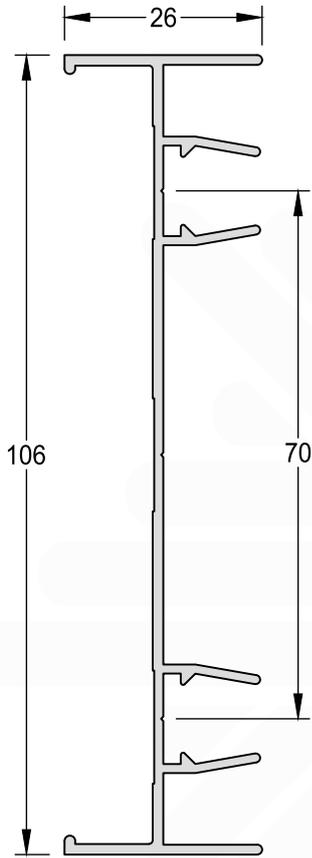
Encaixe: NYL2586/ SU-258



Marco Lateral Vertical

SU-013

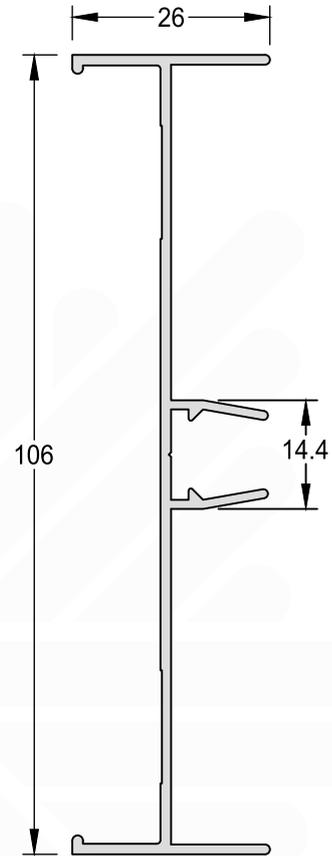
0,784 kg/m



Marco Lateral Vertical

SU-014

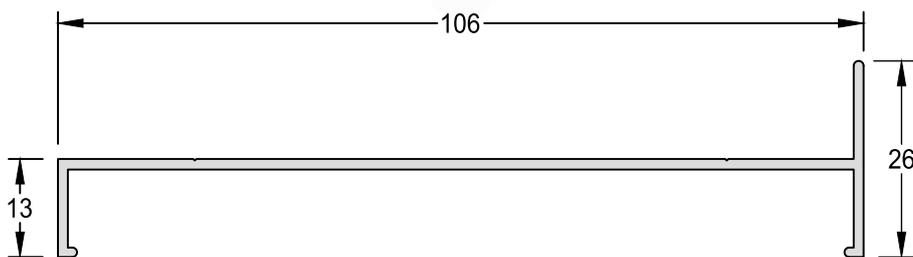
0,671 kg/m



Marco Lateral Vertical

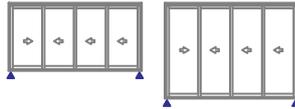
SU-012

0,536 kg/m



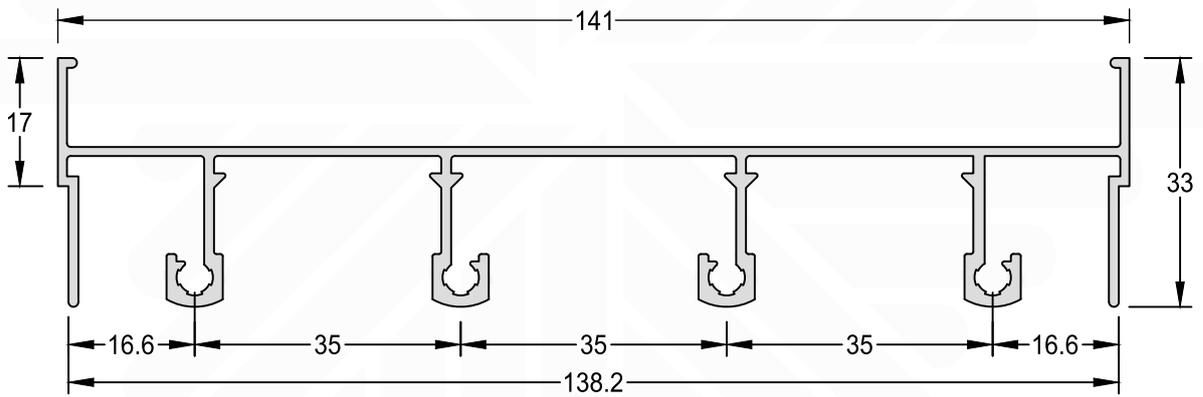
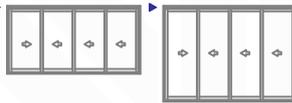
Marco Lateral Vertical

SU-123 0,733 kg/m



Marco Superior Horizontal

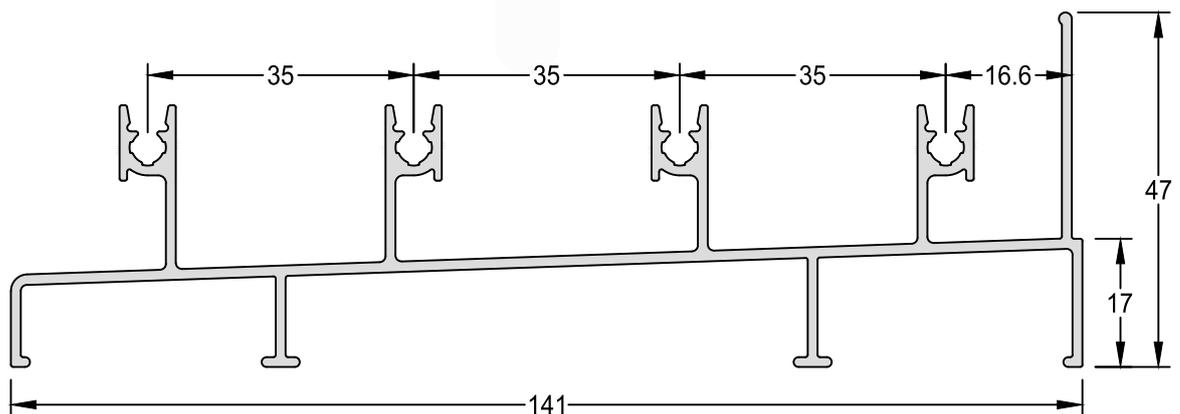
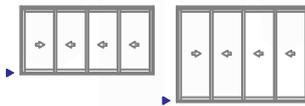
SU-121 1,227 kg/m



Marco Inferior Horizontal

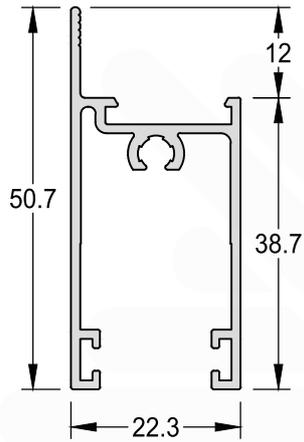
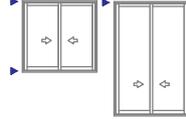
SU-2569 1,396 kg/m

Encaixe: NYL2586/ SU-258

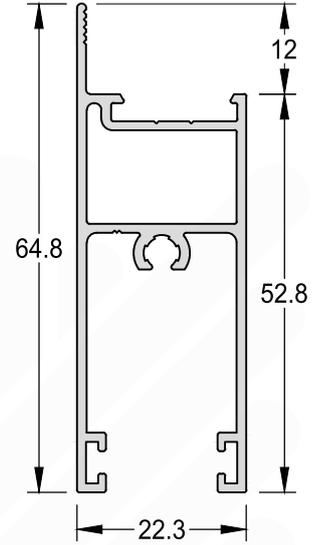
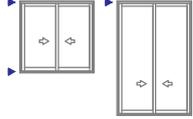


Folha Superior e Inferior Horizontal
SU-053 **0,476 kg/m**

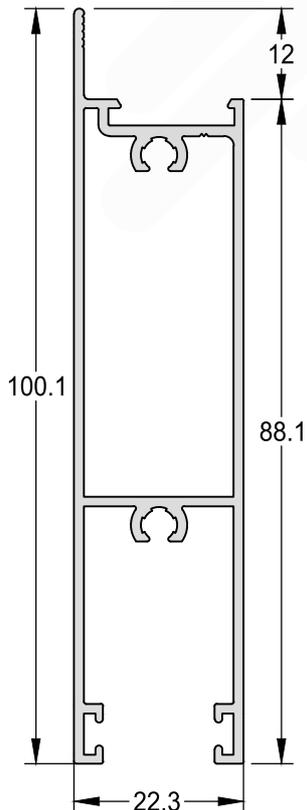
Encaixe: SU-102A / SU-102C / SU-203 / SU-203A


Folha Superior e Inferior Horizontal
SU-246A **0,646 kg/m**

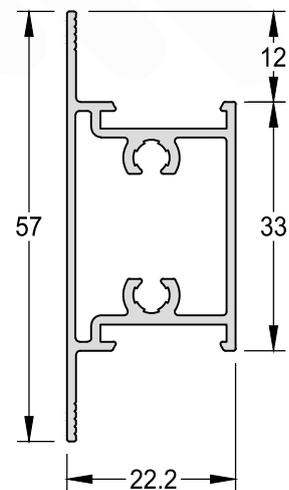
Encaixe: SU-102A / SU-102C / SU-203 / SU-203A


Folha Inferior Horizontal
SU-225 **0,954 kg/m**

Encaixe: SU-102A / SU-102C / SU-203 / SU-203A


Travessa 60mm
SU-227 **0,543 kg/m**

Encaixe: SU-102A / SU-102C / SU-203 / SU-203A

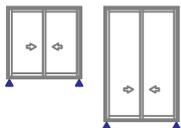


Folha Lateral Vertical

SU-245A 0,635 kg/m

Encaixe: SU-102A/ SU-102B/ SU-102C/ SU-108

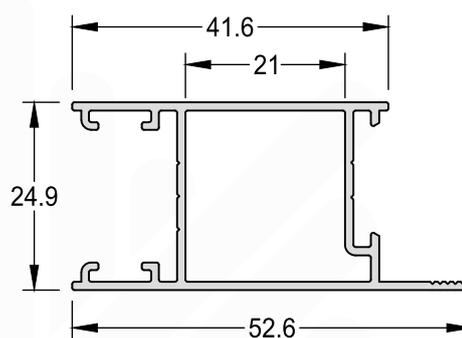
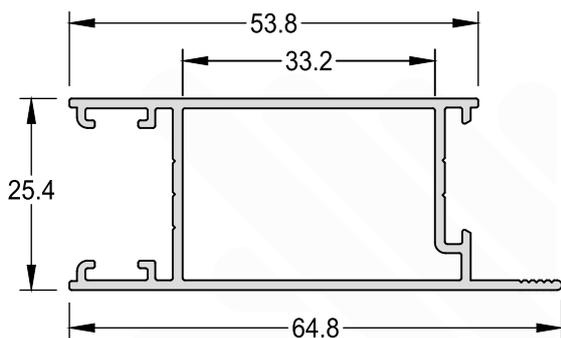
Medida Padrão 4600mm/6000mm



Folha Lateral Vertical

SU-039A 0,472 kg/m

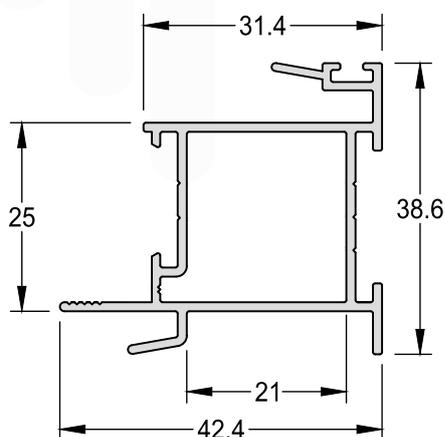
Encaixe: SU-102A/ SU-102B/ SU-102C/ SU-108



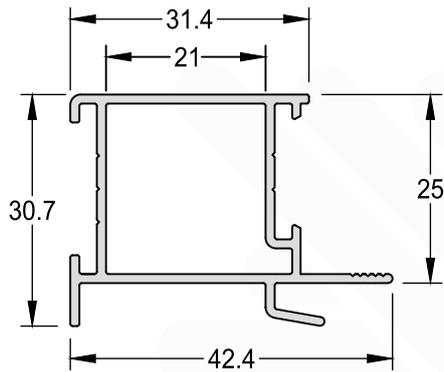
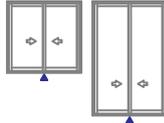
Folha Mão de Amigo Central

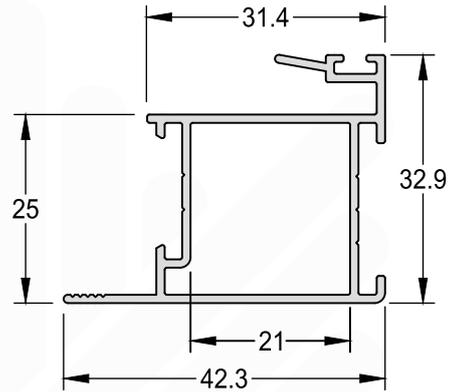
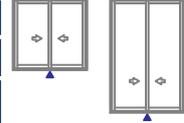
SU-042A 0,551 kg/m

Encaixe: SU-102A/ SU-102B/ SU-102C/ SU-108



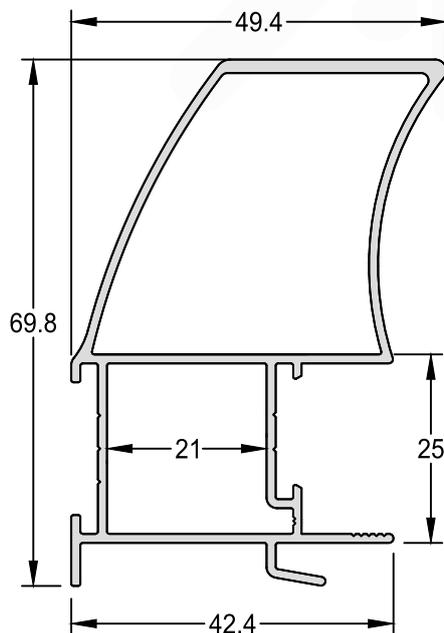
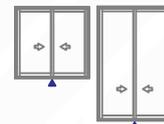
Folha Mão de Amigo Interno
SU-040A **0,472 kg/m**

 Encaixe: SU-102A/ SU-102B/ SU-102C/
 SU-108

Folha Mão de Amigo Externo
SU-041A **0,464 kg/m**

 Encaixe: SU-102A/ SU-102B/ SU-102C/
 SU-108

**Folha Mão de Amigo Interno
 com Reforço**
SU-047A **0,920 kg/m**

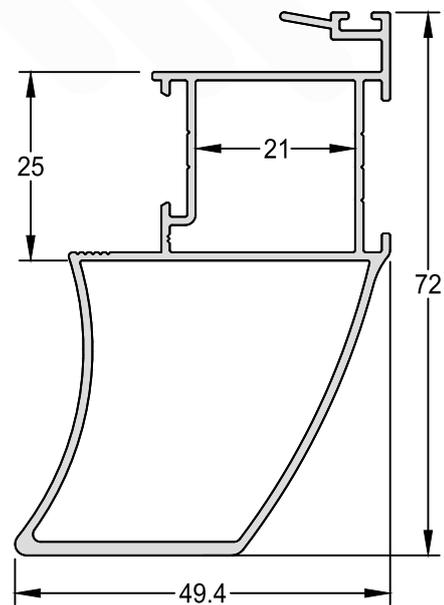
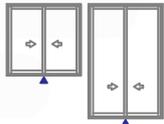
 Encaixe: SU-102A/ SU-102B/ SU-102C/
 SU-108

Medida Padrão 4600mm/6000mm


**Folha Mão de Amigo Externo
 com Reforço**
SU-049A **0,878 kg/m**

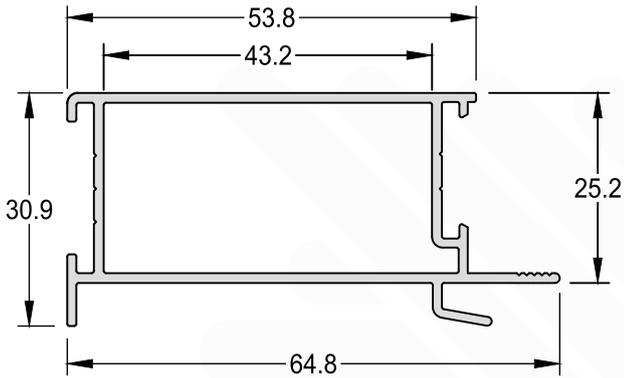
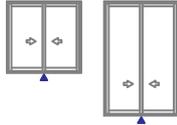
 Encaixe: SU-102A/ SU-102B/ SU-102C/
 SU-108

Medida Padrão 4600mm/6000mm



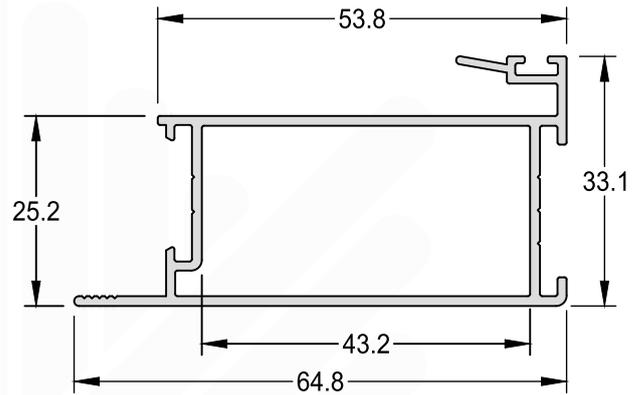
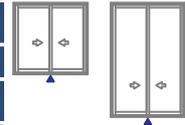
Folha Mão de Amigo Interno

SU-243A	0,661 kg/m
Encaixe: SU-102A/ SU-102B/ SU-102C/ SU-108	
Medida Padrão	4600mm/6000mm



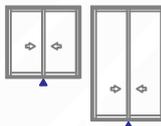
Folha Mão de Amigo Externo

SU-242A	0,686 kg/m
Encaixe: SU-102A/ SU-102B/ SU-102C/ SU-108	
Medida Padrão	4600mm/6000mm

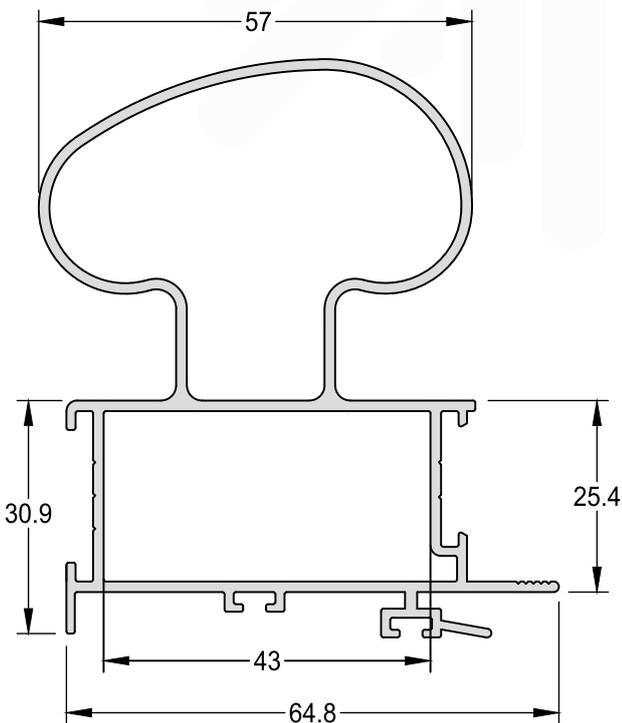


Folha Mão de Amigo Interno com Reforço

SU-238A	1,355 kg/m
Encaixe: SU-102A/ SU-102B/ SU-102C/ SU-108	
Medida Padrão	4600mm/6000mm

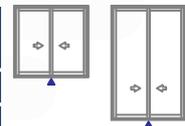


CONSULTAR COMERCIAL

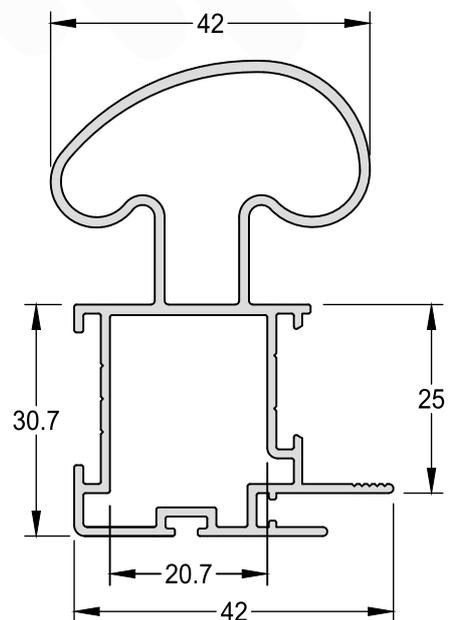


Folha Mão de Amigo Interno com Reforço

SU-038A	0,981 kg/m
Encaixe: SU-102A/ SU-102B/ SU-102C/ SU-108	
Medida Padrão	4600mm/6000mm

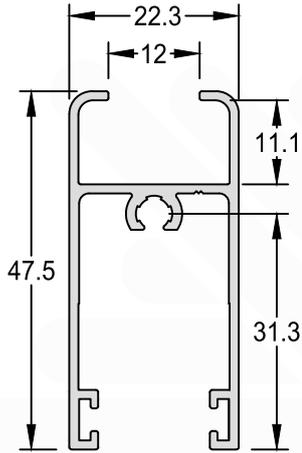
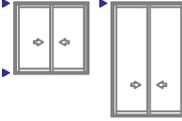


CONSULTAR COMERCIAL



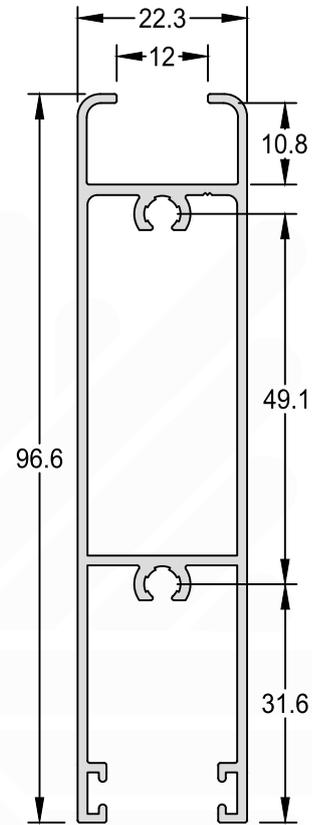
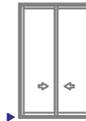
Folha Inferior e Superior sem Baguete

SU-186 0,498 kg/m



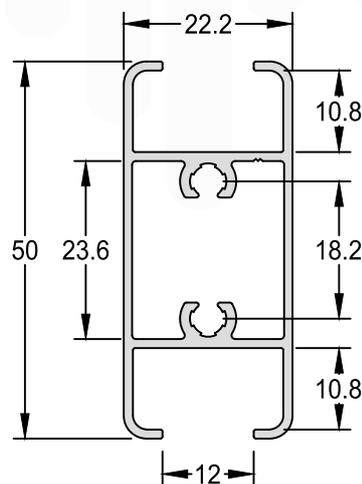
Folha Inferior Horizontal sem Baguete

SU-226 0,970 kg/m



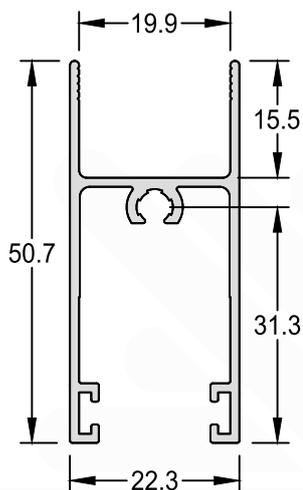
Travessa Central 50mm Sem Baguete

SU-188 0,498 kg/m



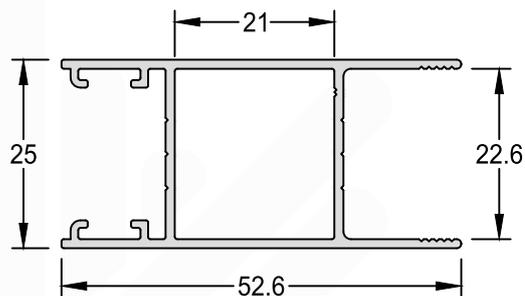
Folha Superior e Inferior Horizontal - Veneziana

SU-187A 0,496 kg/m



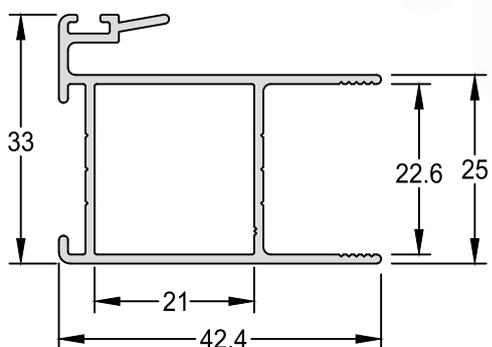
Folha Lateral Vertical - Veneziana

SU-068A 0,524 kg/m



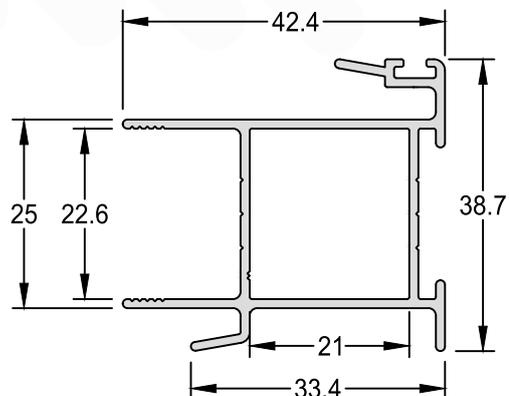
Folha Mão de Amigo - Veneziana

SU-070A 0,517 kg/m



Folha Mão de Amigo Central - Veneziana

SU-069A 0,573 kg/m

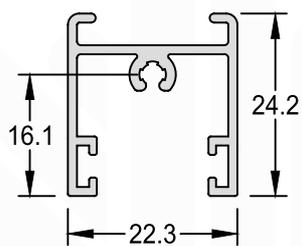
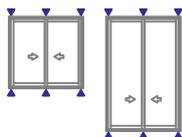


Vedação Montante

ADI-015 **0,327 kg/m**

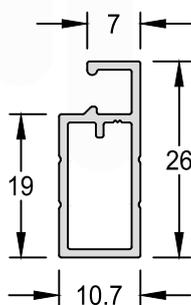
Encaixe: SU-039A/ SU-040A/ SU-041A/
SU-038A/ SU-245A/ SU-243A/ SU-238A

Medida Padrão 3000mm

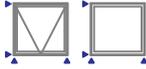


Quadro Mosquiteira

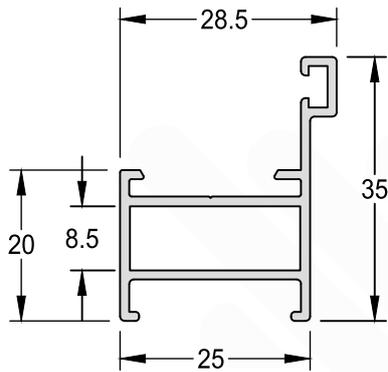
TM-171 **0,217 kg/m**



Marco Tubular - Maxim-ar
SU-079 **0,390 kg/m**



Encaixe: SU-103A/ SU-103B/ SU-292

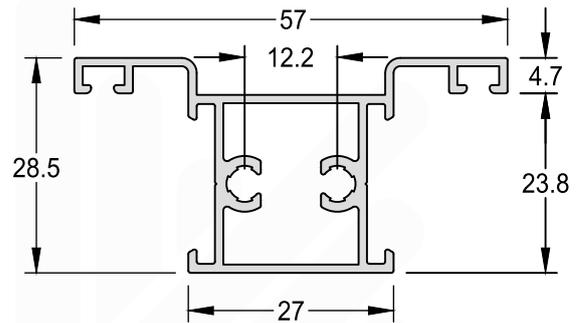


Coluna / Travessa

SU-086 **0,582 kg/m**



Encaixe: SU-103A/ SU-102B/ SU-292

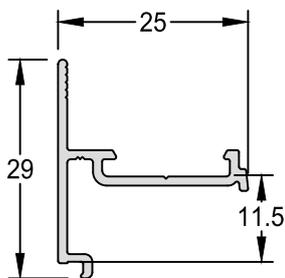


Inversor de Baguete

SU-292 **0,212 kg/m**



Encaixe: SU-102A/ SU-102B/ SU-102C/
 SU-108/ SU-079/ SU-086

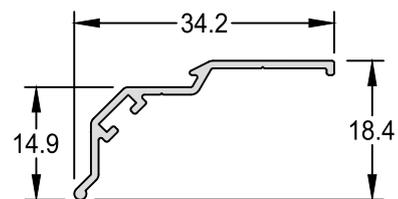


Pingadeira -Maxim-ar

SU-083 **0,150 kg/m**



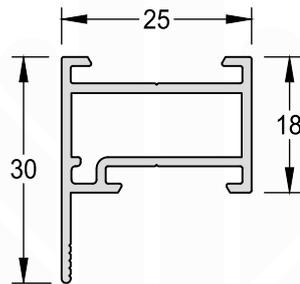
Encaixe: SU-079/ SU-086



Folha Superior - Maxim-ar

SU-080 0,357 kg/m

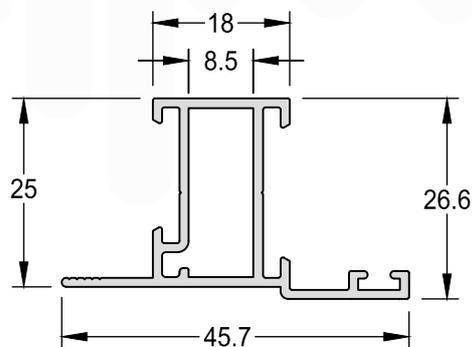
Encaixe: SU-102A/ SU-102B/ SU-102C



Folha Inferior e Lateral - Maxim-ar

SU-200 0,435 kg/m

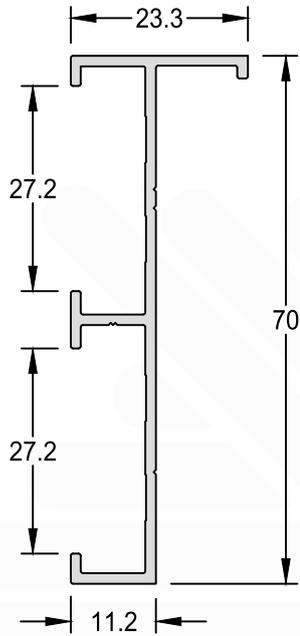
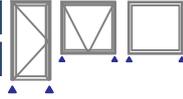
Encaixe: SU-102A/ SU-102B/ SU-102C



Marco Lateral

25-514

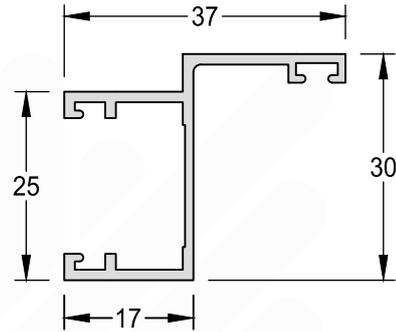
0,458 kg/m



Marco Portinhola

25-002

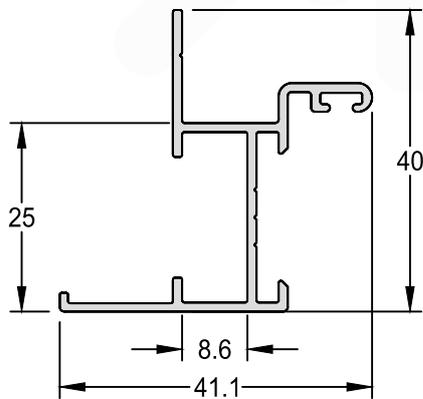
0,349 kg/m



Marco Portinhola

SU-065

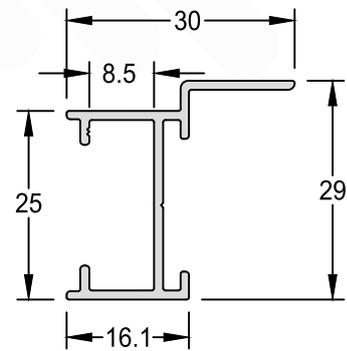
0,380 kg/m



Complemento Marco

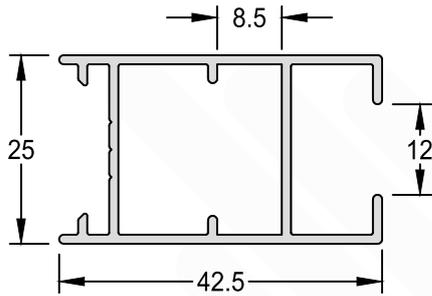
SU-071

0,268 kg/m



Folha Perimetral - Portinhola

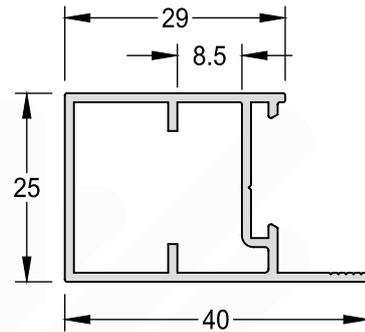
SU-064 0,487 kg/m



Folha Perimetral - Portinhola

25-016 0,417 kg/m

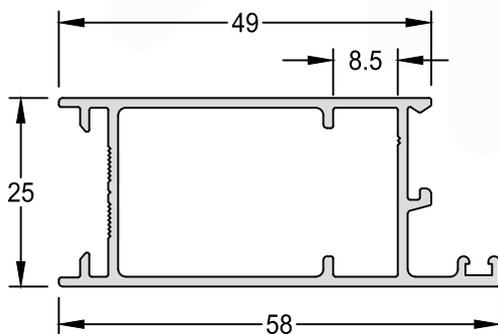
Encaixe: SU-102A/ SU-102B/ SU-102C/
SU-108/SU-203A



Folha Perimetral - Porta de Giro

25-542A 0,604 kg/m

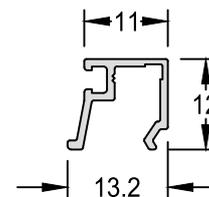
Encaixe: BG-001

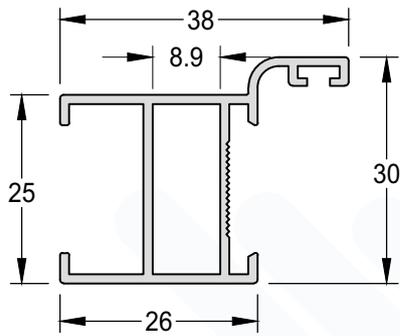


Baguete Vertical e Horizontal

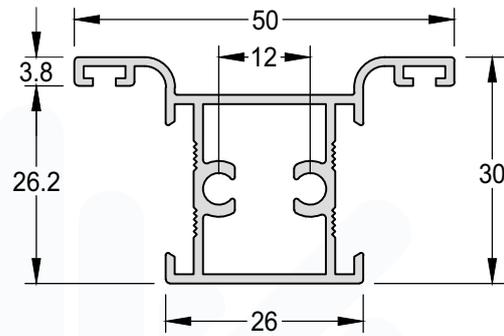
BG-001 0,104 kg/m

Encaixe: 25-542A

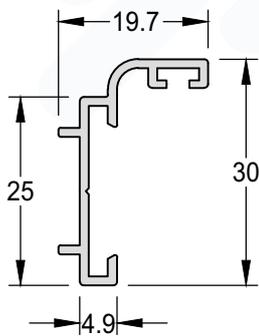


Marco Tubular - Porta de Giro
 25-540 0,417 kg/m

Coluna / Travessa

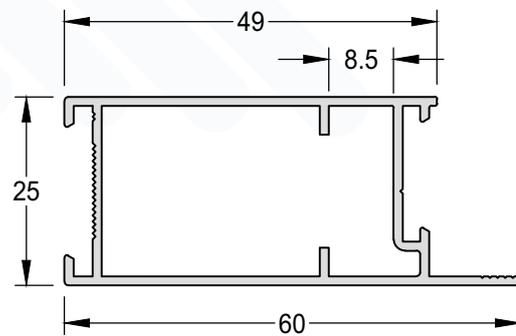
25-541 0,572 kg/m


Batente - Porta de Giro

25-548 0,213 kg/m


Folha Perimetral - Porta de Giro

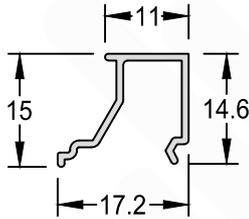
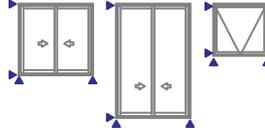
SU-111 0,556 kg/m


 Encaixe: SU-102A / SU-102B /
 SU-102C / SU-108 / SU-203A


Baguete Vertical e Horizontal

SU-102A 0,109 kg/m

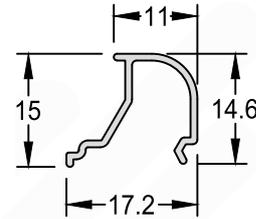
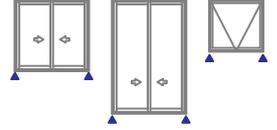
Encaixe: SU-039A/ SU-245A/ SU-040A/
SU-041A/ SU-038A/ SU-243A/
SU-242A/ SU-238A/ SU-225/
SU-227/ SU-053/ SU-246A/ SU-111



Baguete Vertical

SU-102B 0,103 kg/m

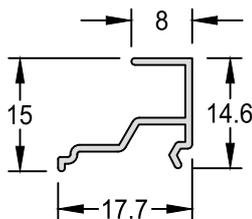
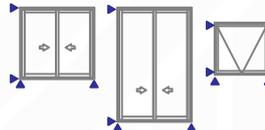
Encaixe: SU-039A/ SU-245A/ SU-040A/
SU-041A/ SU-038A/ SU-243A/ SU-242A/
SU-238A/ SU-111



Baguete Vertical e Horizontal

SU-102C 0,106 kg/m

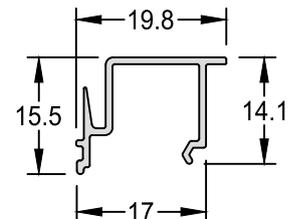
Encaixe: SU-039A/ SU-245A/ SU-040A/
SU-041A/ SU-038A/ SU-243A/ SU-242A/
SU-238A/ SU-225/ SU-227/ SU-053/
SU-246A/ SU-111



Baguete Terminal - Veneziana

SU-203 0,130 kg/m

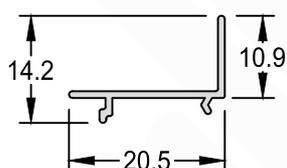
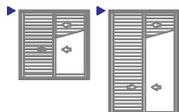
Encaixe: SU-053/ SU-246A/ SU-225/
SU-227



Complemento - Veneziana

SU-203A 0,089 kg/m

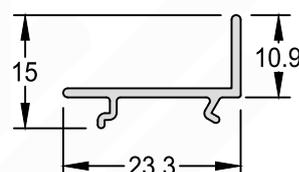
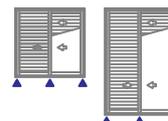
Encaixe: SU-039A/ SU-245A/ SU-040A/
SU-041A/ SU-038A/ SU-243A/ SU-242A/
SU-238A/ SU-225/ SU-227/ SU-053/
SU-246A/ SU-111/ 25-016



Complemento - Veneziana

SU-108 0,130 kg/m

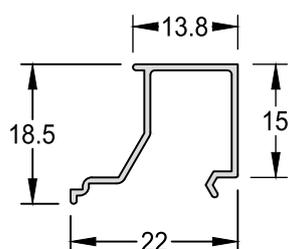
Encaixe: SU-039A/ SU-245A/ SU-040A/
SU-041A/ SU-038A/ SU-243A/ SU-242A/
SU-238A/ SU-111/ 25-016



Baguete do Marco Maxim-ar

SU-103A 0,125 kg/m

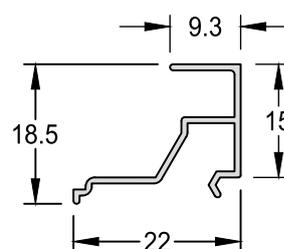
Encaixe: SU-079/ SU-086



Baguete do Marco Maxim-ar

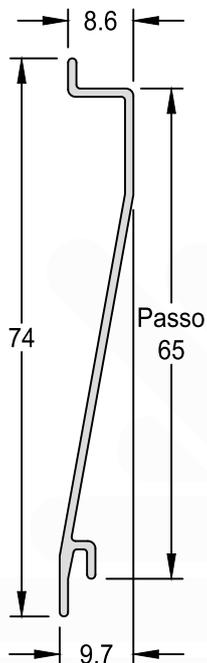
SU-103B 0,124 kg/m

Encaixe: SU-079/ SU-086



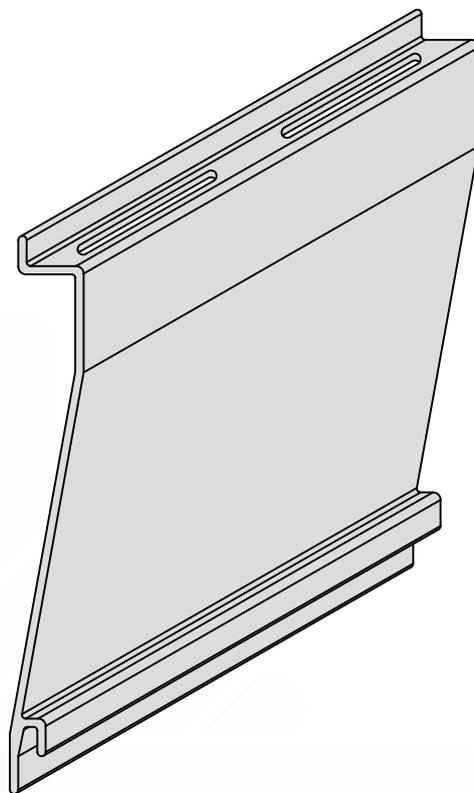
Veneziana Baixa - Cega

VZ-024 0,268 kg/m



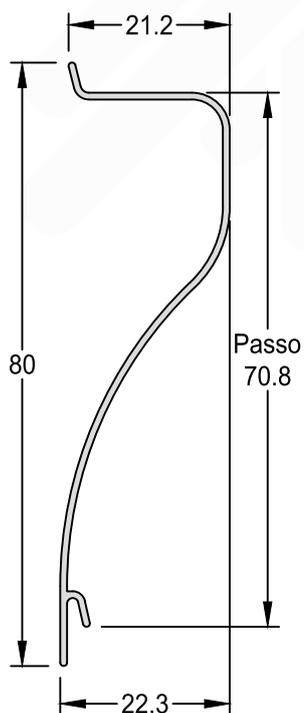
Veneziana Baixa - Ventilada

VZ-024F 0,268 kg/m



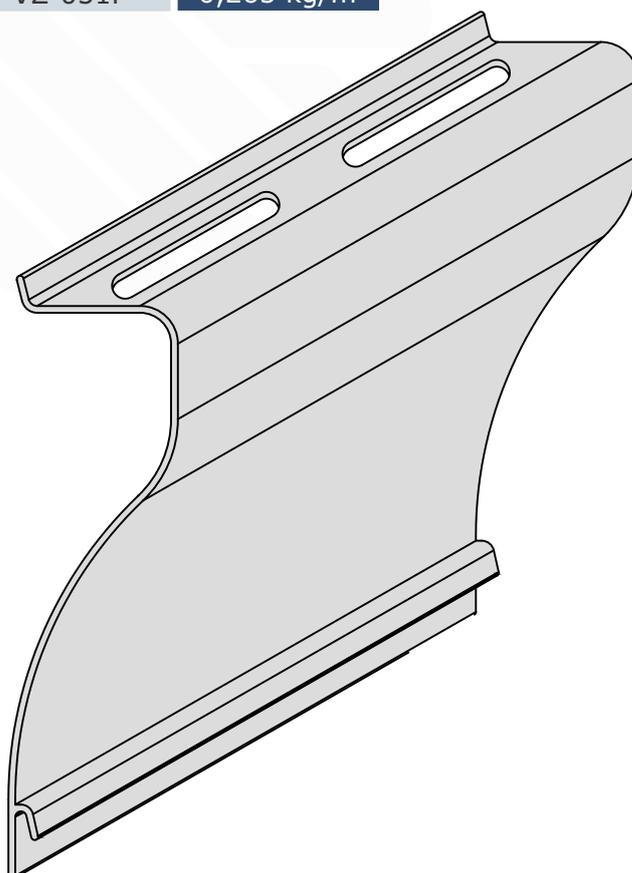
Veneziana - Cega

VZ-051 0,265 kg/m



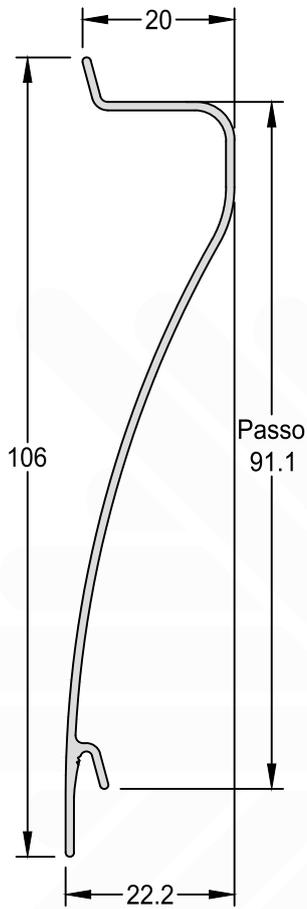
Veneziana - Ventilada

VZ-051F 0,265 kg/m



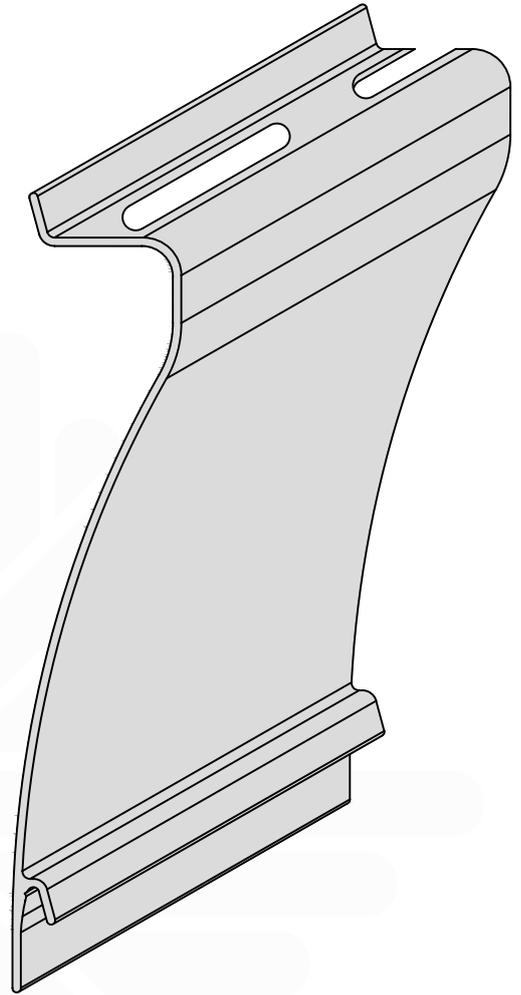
Veneziana - Cega

VZ-106 0,403 kg/m



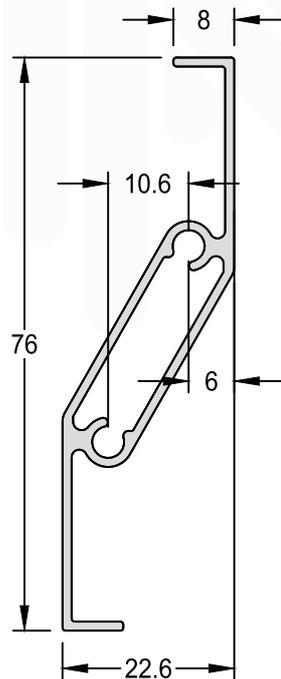
Veneziana - Ventilada

VZ-106F 0,403 kg/m



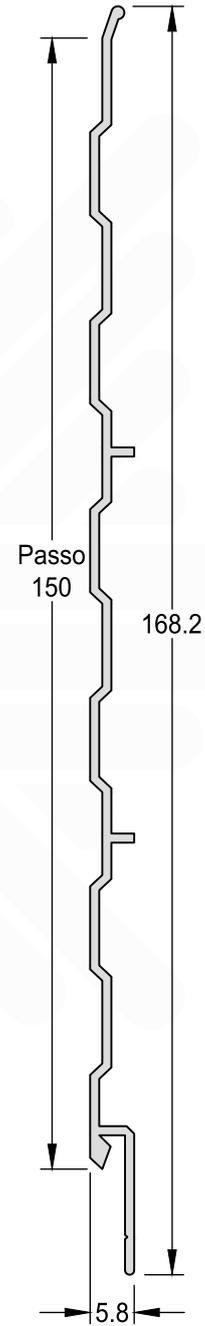
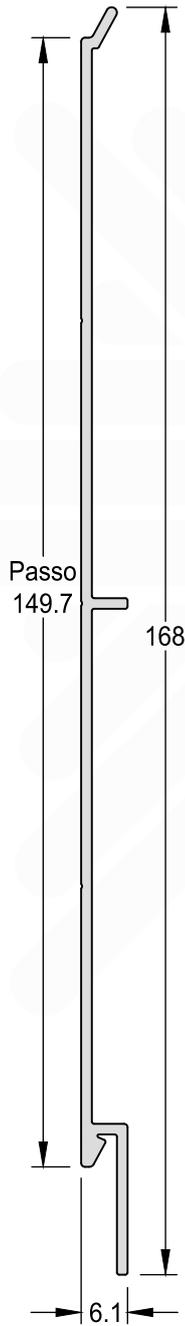
Veneziana - Ventilação Permanente

LG-037 0,513 kg/m



Lambri Liso	
LB-035	0,706 kg/m
Medida Padrão	5000mm/6000mm

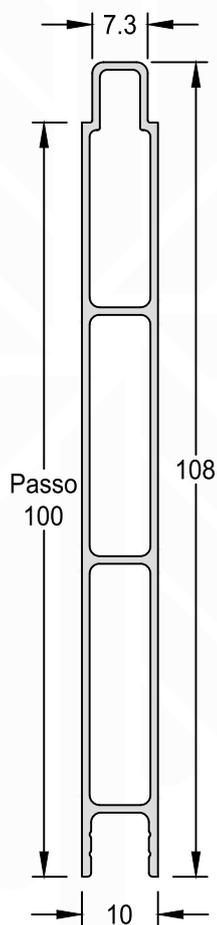
Lambri Frisado	
LB-050	0,628 kg/m



Lambri Duplo - Liso

LB-061

0,691 kg/m

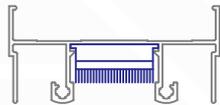
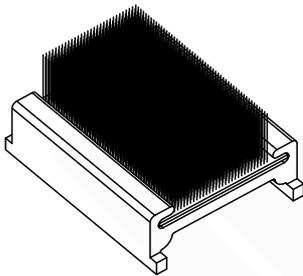


ÍNDICE DE COMPONENTES

Código	Descrição	Página
BATMORD	Batedeira Mordente	53
BAT-UNI	Batedeira Universal	53
BRA-(Ver Tabela)	Braço Maxim-ar	69
CAL-948	Calço da Folha Fixa	54
CILC400	Cilindro C400	68
CILC401	Cilindro C401	68
CON-2011	Fecho Concha	56
CON-295	Contra Testa	71
CON-409	Concha Fecho	61
CON-7311	Concha Cega	57
CON-7411	Fecho Concha	56
CON-7711	Concha Cega	58
CON-7811	Fecho Concha	58
CON-7811AC	Fecho Concha com Chave	57
CON-TOUCH	Concha Fecho Touch	61
CREE251PIN300	Haste Cremona 1 Ponto (Acionamento Interno)	62
CREE252PCIE	Haste Cremona 2 Pontos (Acionamento Interno e Externo)	64
CREE252PIN	Haste Cremona 2 Pontos (Acionamento Interno)	63
Cremona Ext	Kit Haste Interno / Externo Parafuso e Bucha	66
Cremona Int	Kit Haste Interno Parafuso e Bucha	66
CTFCRE1P2PL25	Contra Fecho Cremona	68
D-2504	Contra Fecho	61
DOB-840	Dobradiça 2 Abas	73
DOB-840	Dobradiça 3 Abas	73
EURO - NYL	Guarda Pó	71
Euro 90° Round	Maçaneta Cremona Janela	65
Euro 90° Round	Maçaneta Cremona Porta	65
FEC-009	Fecho Maxim-ar	70
FEC-010	Fecho Maxim-ar	70
FEC-055	Contra Fecho - Folha Fixa	61
FEC-1920CF	Fecho Unha	73
FIT REG/PH	Roldana 40 Kgs	55
FIT-206	Fita Vedadora 5x6	77
FIT-212	Fita Vedadora 5x8	77
FIT-246	Fita Vedadora 7,5x6	77
FRA-323	Fechadura	71
FRA-815A	Fechadura - Correr	59
GUA-006	Guarnição EPDM	80
GUA-007	Guarnição EPDM	79
GUA-053	Guarnição EPDM	79
GUA-157	Espuma Adesiva	78
GUA-171	Espuma Adesiva	78
GUA-172	Espuma Adesiva	78
GUA-239	Guarnição EPDM	79
GUA-256	Guarnição EPDM	80
GUA-258	Espuma Adesiva	78
GUA-259	Guarnição EPDM	80
GUA-282	Espuma Adesiva	79
HAS	Haste Smart	70
KITTRAMACREINYPRT	Kit Travamento Maçaneta Cremona	67
LIN-7611	Lingueta Fecho Touch	60
MAC-EURO	Maçaneta Roseta	72
MAC-EURO	Maçaneta Roseta	72
MAX-VED L25	Caixa de Dreno	52
NYL-042	Tapa Furo	54
NYL-190	Presilha de Fixação do Arremate	52
NYL-329	Caixa de Dreno	52
NYL-332	Guia Deslizante	54
NYL-335	Vedação Superior	52
NYL-414	Batedeira	53
PAR-428	Parafuso PG Ø4,8 X38	76
PAR-431	Parafuso PG Ø4,8 X50	76
PAR-437	Parafuso AA Ø3,5 X9,5	75
PAR-694	Parafuso AA Ø4,2 X32	75
PAR-936	Parafuso AA Ø4,2 X16	75
PAR-963	Parafuso AA Ø4,2 X25	75
REB-440	Rebite Ø3,2 X10,2	76
REB-540	Rebite Ø4,0 X10,2	76
Roseta	Acabamento Cilindro	68
SD-2578	Roldana 40 Kgs	55
SD-2581	Roldana 20 Kgs	55
SD-2586	Click de Nylon P/Marco Inferior	53
TPA-2591	Tampa do Montante	54
TRA-009	Lingueta Para Fecho Concha	60
UDIPLUS - 25	Roldana 50 Kgs	55
VEDPORIN	Vedação Inferior Porta	74

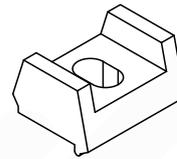
Vedação Superior
NYL-335

Encaixe: SU-001/ SU-005/ SU-010/
SU-121



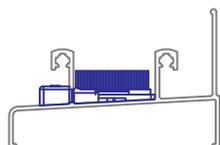
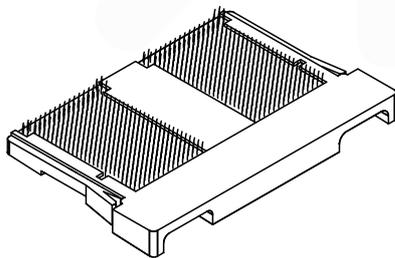
Detalhe de Aplicação
Sem Escala

Presilha de Fixação do
Arremate
NYL-190



Caixa de Dreno
NYL-329

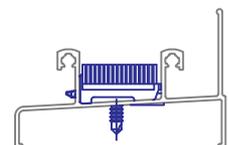
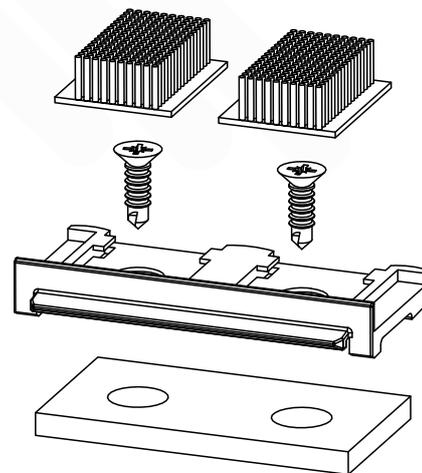
Encaixe: SU-002/ SU-006/ SU-011/
SU-022/ SU-228/ SU-230/ SU-2523/
SU-2541/ SU-2542/ SU-2569/ SU-2621/
SU-2622/ SU-2522



Detalhe de Aplicação
Sem Escala

Caixa de Dreno
MAX-VED L25

Encaixe: SU-002/ SU-006/ SU-011/
SU-022/ SU-228/ SU-230/ SU-2523/
SU-2541/ SU-2542/ SU-2569/ SU-2621/
SU-2622/ SU-2522

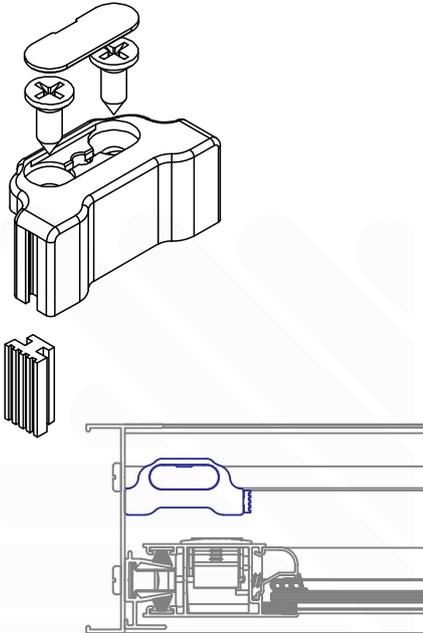


Detalhe de Aplicação
Sem Escala

Batedeira

NYL-414

Encaixe: SU-001/ SU-002/ SU-005/ SU-006
 SU-010/ SU-011/ SU-121/ SU-228/ SU-230
 SU-2523/ SU-2541/ SU-2542/ SU-2569/
 SU-2621/ SU-2622/ SU-2522/ SU-022

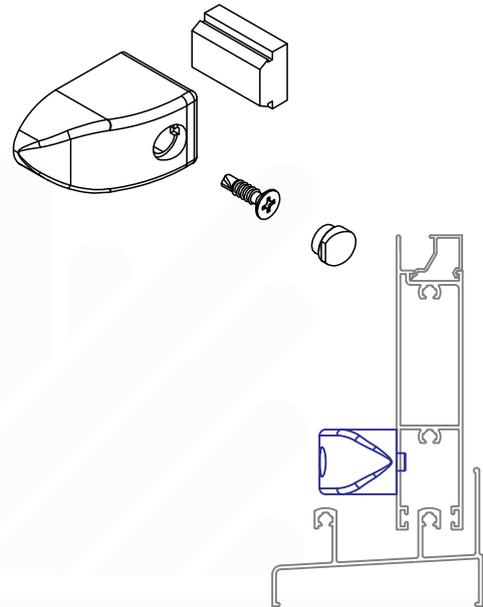


Detalhe de Aplicação
Sem Escala

Batedeira Universal

BAT-UNI

Encaixe: SU-053/ SU-246A/ SU-225/
 SU-226/ SU-186/ SU-187A

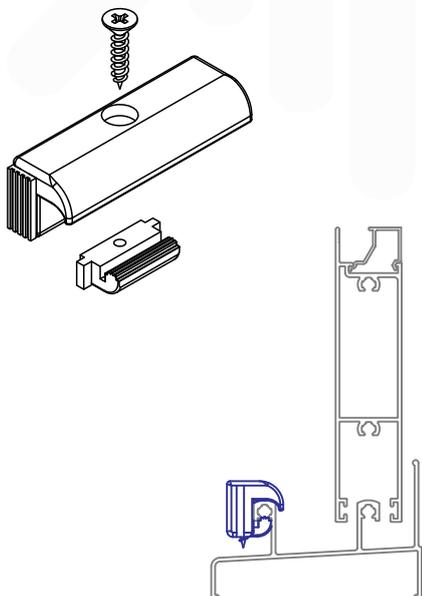


Detalhe de Aplicação
Sem Escala

Batedeira Mordente

BATMORD

Encaixe: SU-001/ SU-002/ SU-005/
 SU-006/ SU-010/ SU-011/ SU-121/
 SU-228/ SU-230/ SU-022

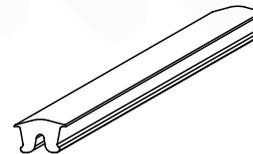


Detalhe de Aplicação
Sem Escala

Click de Nylon P/Marco Inferior

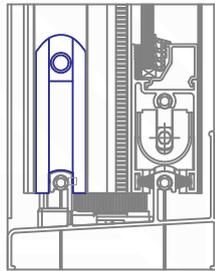
SD-2586

Encaixe: SU-2541/ SU-2523/ SU-2542/
 SU-2621/ SU-2622/ SU-2569/ SU-2522



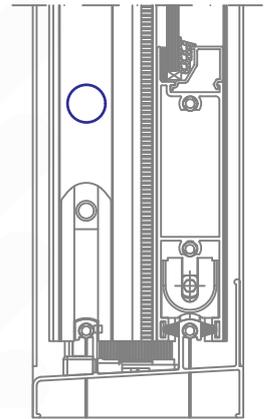
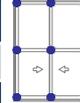
Detalhe de Aplicação
Sem Escala

Guia Deslizante
NYL-332
 Encaixe: SU-039A/ SU-245A/ SU-040A/
 SU-041A/ SU-038A/ SU-243A/ SU-242A/
 SU-238A/ SU-070A/ SU-068A/ SU-069A
 SU-042A/ SU-049A/ SU-047A



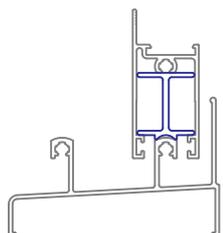
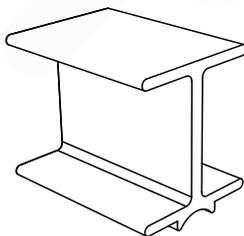
Detalhe de Aplicação
Sem Escala

Tapa Furo
NYL-042
 Encaixe: SU-039A/ SU-245A/ SU-040A/
 SU-041A/ SU-038A/ SU-243A/ SU-242A/
 SU-238A/ SU-070A/ SU-068A/ SU-069A
 SU-042A/ SU-049A/ SU-047A



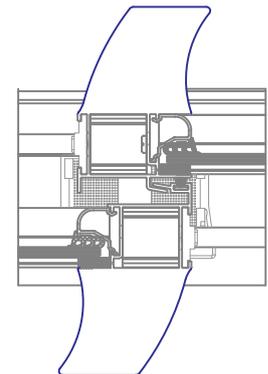
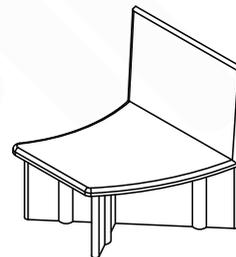
Detalhe de Aplicação
Sem Escala

Calço da Folha Fixa
CAL-948
 Encaixe: SU-053/ SU-246A/ SU-225/
 SU-226/ SU-186/ SU-187A



Detalhe de Aplicação
Sem Escala

Tampa do Montante
TPA-2591
 Encaixe: SU-049A/ SU-047A

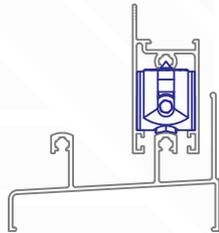
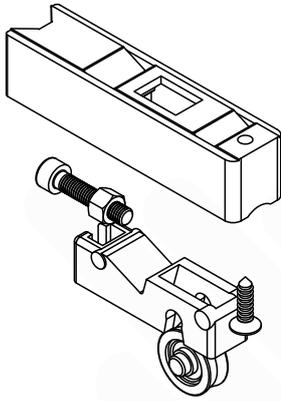


Detalhe de Aplicação
Sem Escala

Roldana 20 Kg

SD-2581

Encaixe: SU-053/ SU-246A/ SU-225/
SU-226/ SU-186/ SU-187A

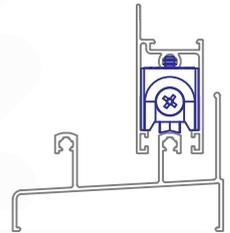
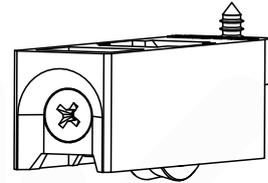


Detalhe de Aplicação
Sem Escala

Roldana 40 Kg

FIT REG/PH

Encaixe: SU-053/ SU-246A/ SU-225/
SU-226/ SU-186/ SU-187A

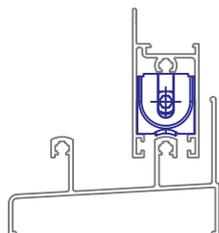
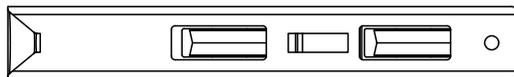


Detalhe de Aplicação
Sem Escala

Roldana 40 Kg

SD-2578

Encaixe: SU-053/ SU-246A/ SU-225/
SU-226/ SU-186/ SU-187A

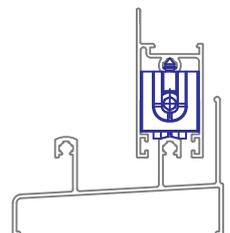
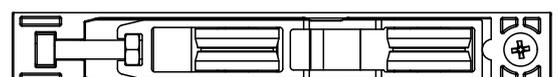
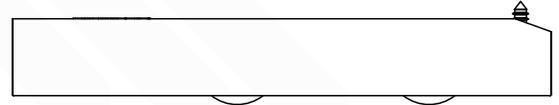


Detalhe de Aplicação
Sem Escala

Roldana 50 Kg

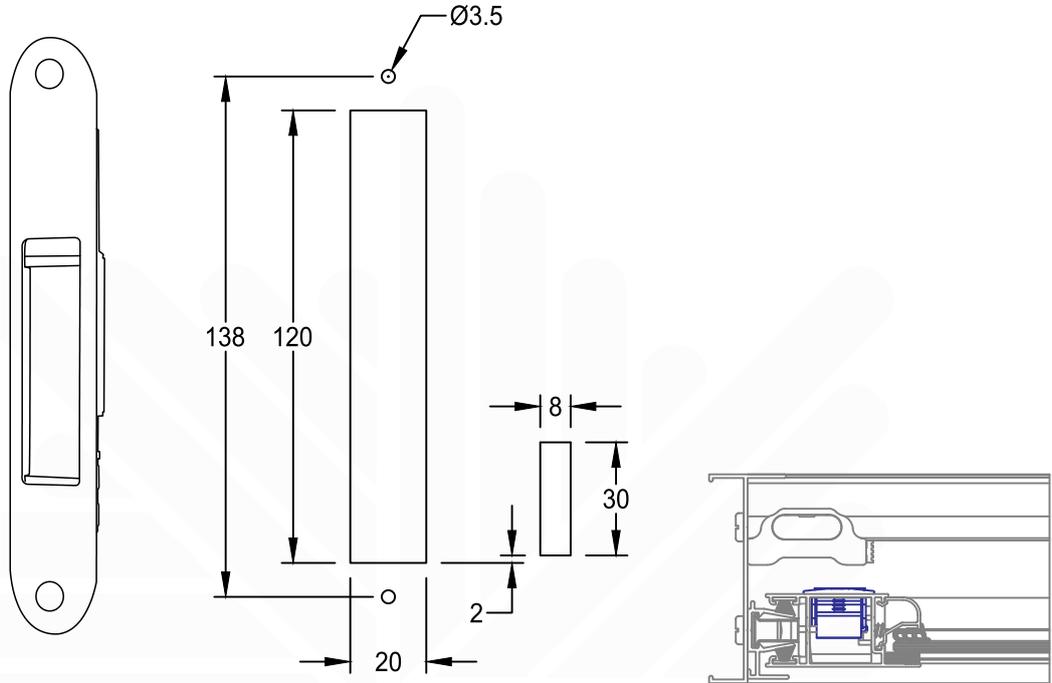
UDIPLUS - 25

Encaixe: SU-053/ SU-246A/ SU-225/
SU-226/ SU-186/ SU-187A



Detalhe de Aplicação
Sem Escala

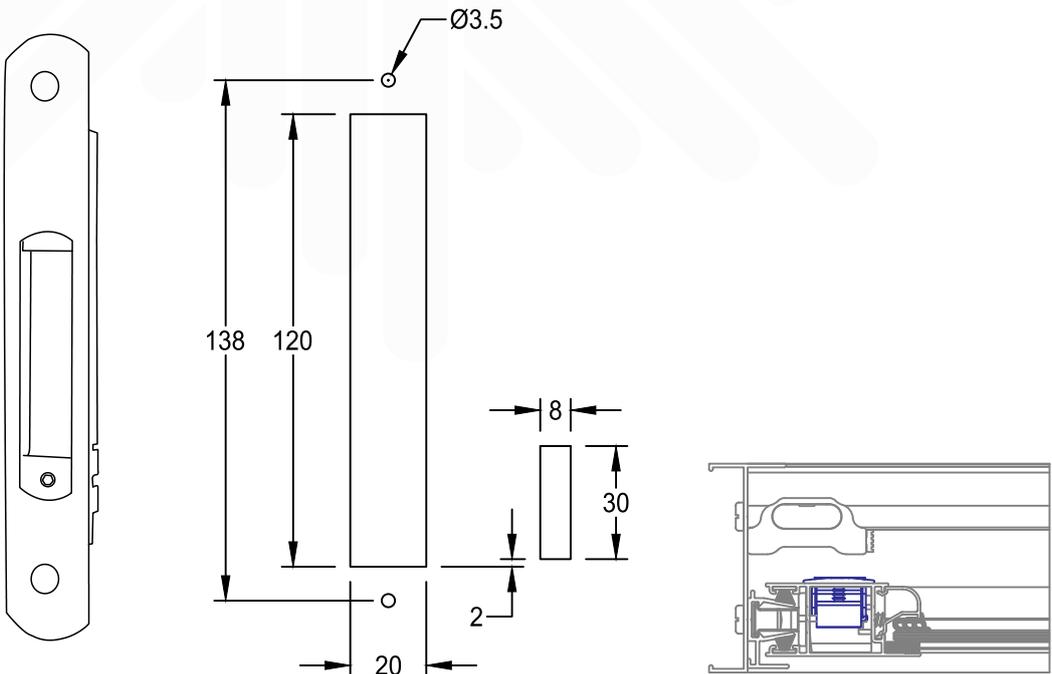
Fecho Concha
CON-7411
Encaixe: SU-039A/ SU-068A/ SU-245A



Medidas das usinagens conforme fabricante do componente.

Detalhe de Aplicação
Sem Escala

Fecho Concha
CON-2011
Encaixe: SU-039A/ SU-068A/ SU-245A



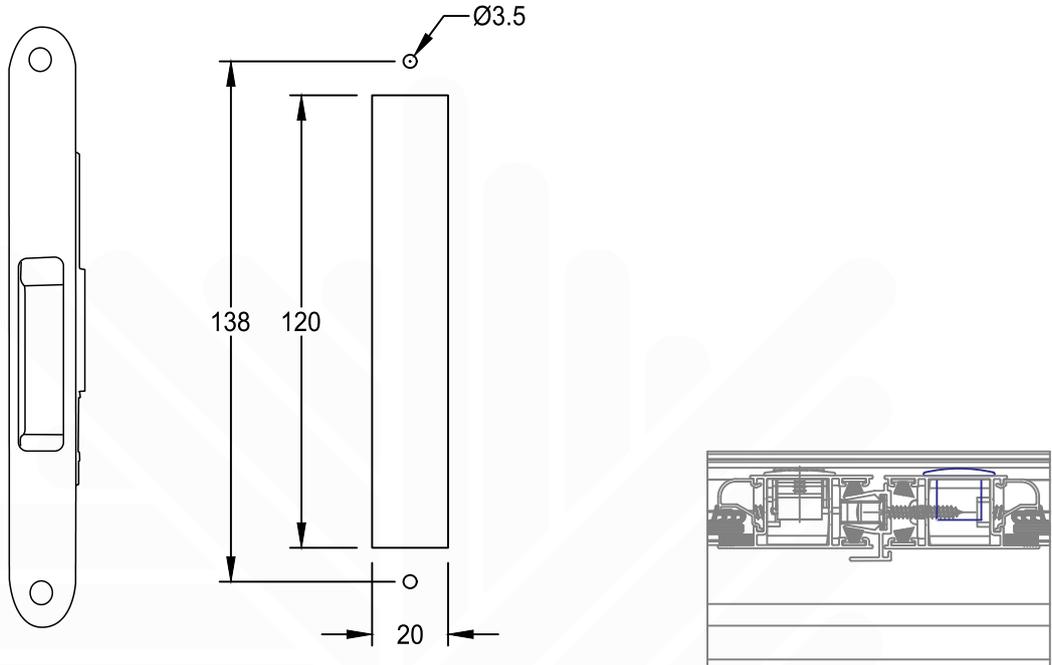
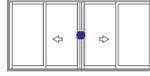
Medidas das usinagens conforme fabricante do componente.

Detalhe de Aplicação
Sem Escala

Concha Cega

CON-7311

Encaixe: SU-039A/ SU-068A/ SU-245A



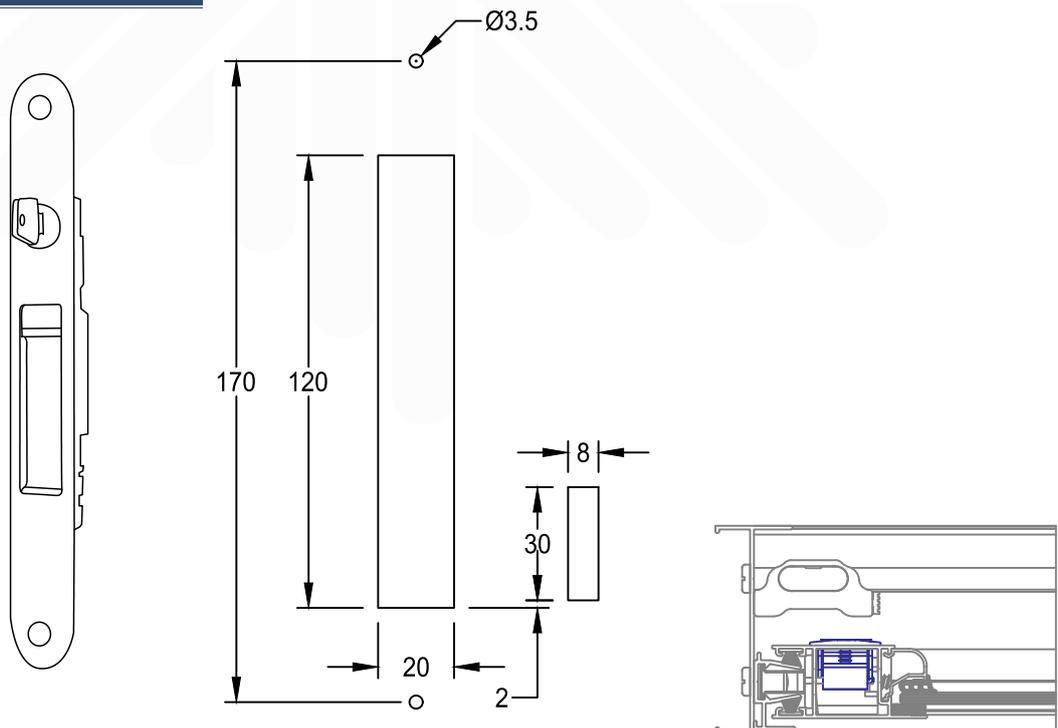
Medidas das usinagens conforme fabricante do componente.

Detalhe de Aplicação Sem Escala

Fecho Concha com Chave

CON-7811AC

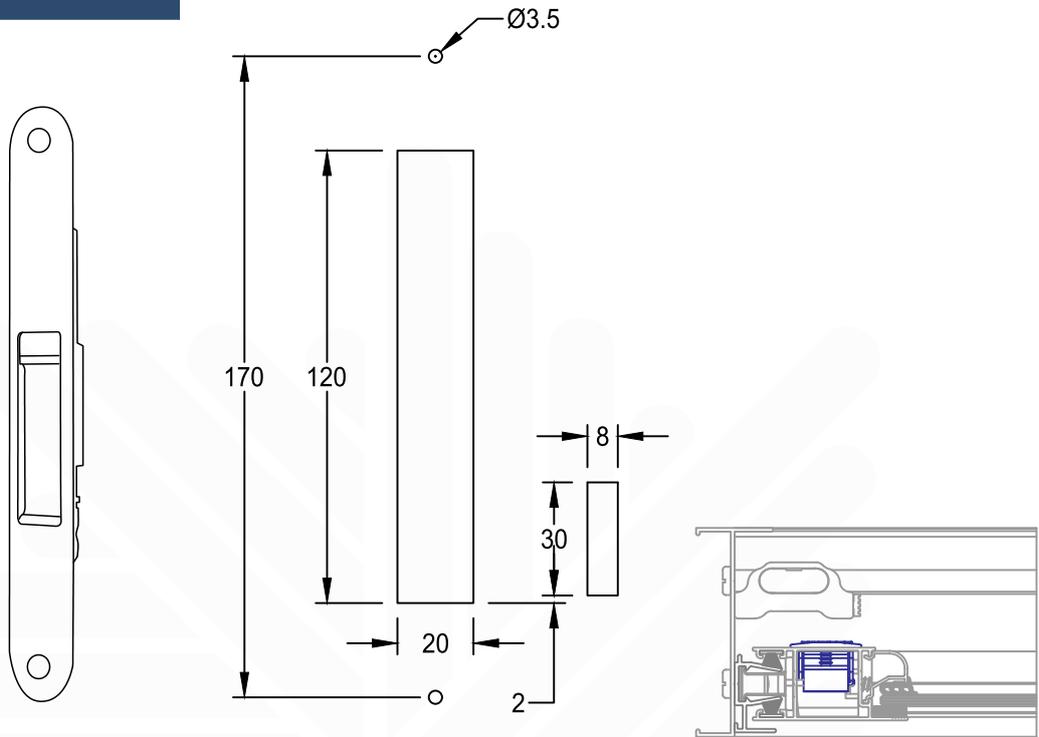
Encaixe: SU-039A/ SU-068A/ SU-245A



Medidas das usinagens conforme fabricante do componente.

Detalhe de Aplicação Sem Escala

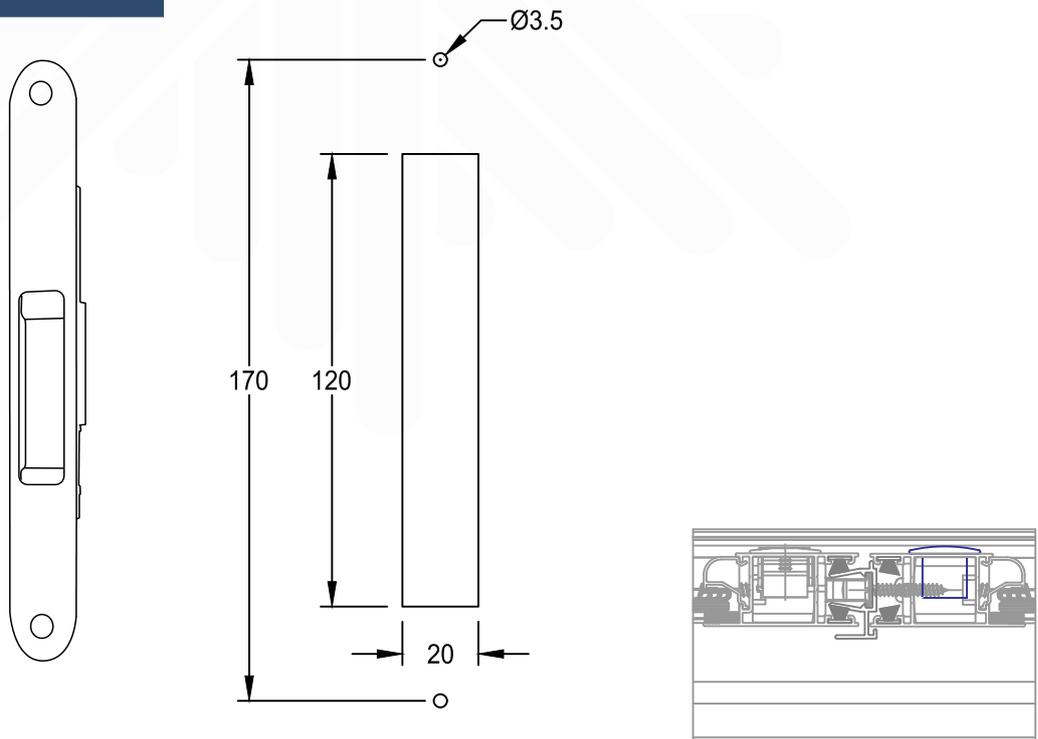
Fecho Concha
CON-7811
Encaixe: SU-039A/ SU-068A/ SU-245A



Medidas das usinagens conforme fabricante do componente.

Detalhe de Aplicação Sem Escala

Concha Cega
CON-7711
Encaixe: SU-039A/ SU-068A/ SU-245A



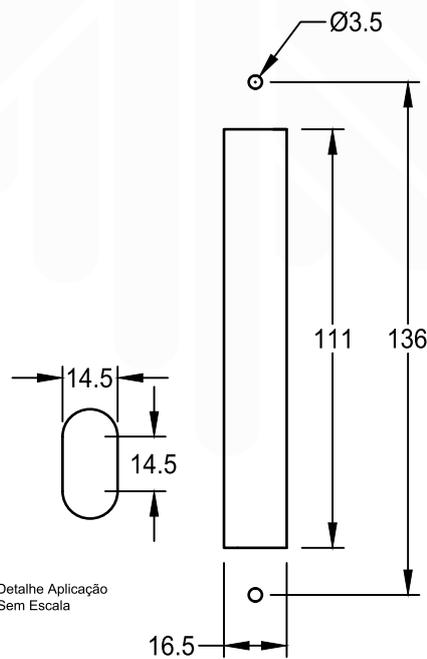
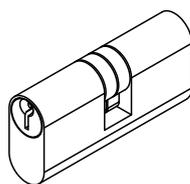
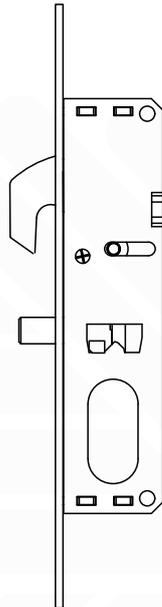
Medidas das usinagens conforme fabricante do componente.

Detalhe de Aplicação Sem Escala

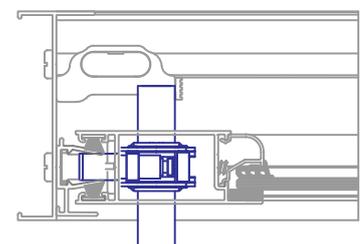
Fechadura - Correr

FRA-815A

Encaixe: SU-245A



Detalhe Aplicação Sem Escala

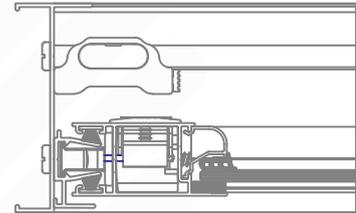
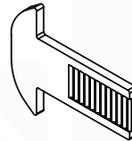


Detalhe de Aplicação Sem Escala

Medidas das usinagens conforme fabricante do componente.

Lingueta Para Fecho Concha

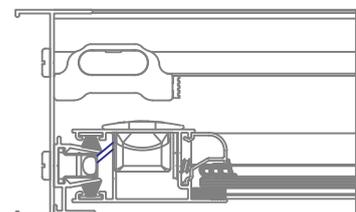
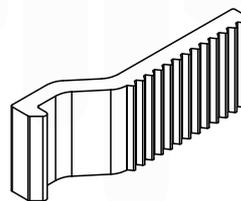
TRA-009



Detalhe de Aplicação
Sem Escala

Lingueta Fecho Touch

LIN-7611

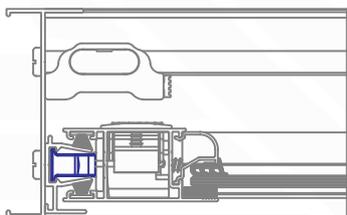
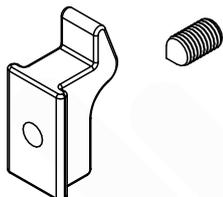


Detalhe de Aplicação
Sem Escala

Contra Fecho

SD-2504

Encaixe: SU-003/ SU-008A/ SU-013/
SU-014

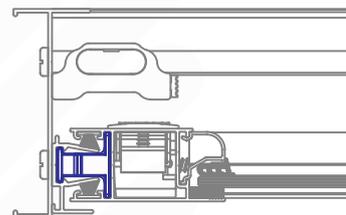
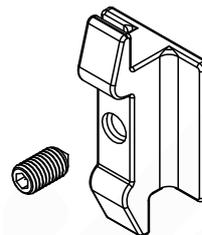


Detalhe de Aplicação
Sem Escala

Contra Fecho - Folha Fixa

FEC-055

Encaixe: SU-039A/ SU-068A/ SU-245A

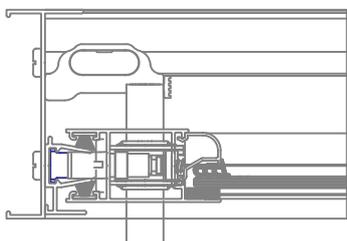
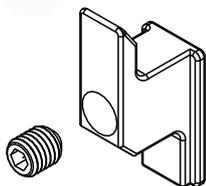


Detalhe de Aplicação
Sem Escala

Contra Fecho

CON-409

Encaixe: SU-003/ SU-008A/ SU-013/
SU-014

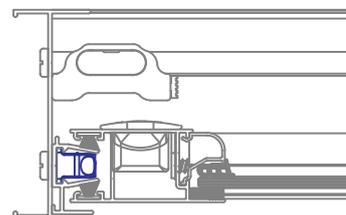
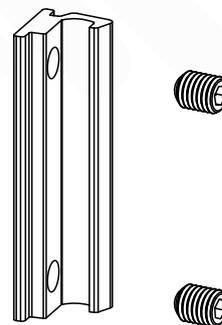


Detalhe de Aplicação
Sem Escala

Contra Fecho Touch

CON-TOUCH

Encaixe: SU-003/ SU-008A/ SU-013/
SU-014

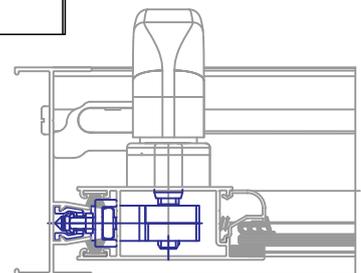
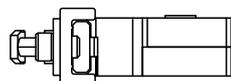
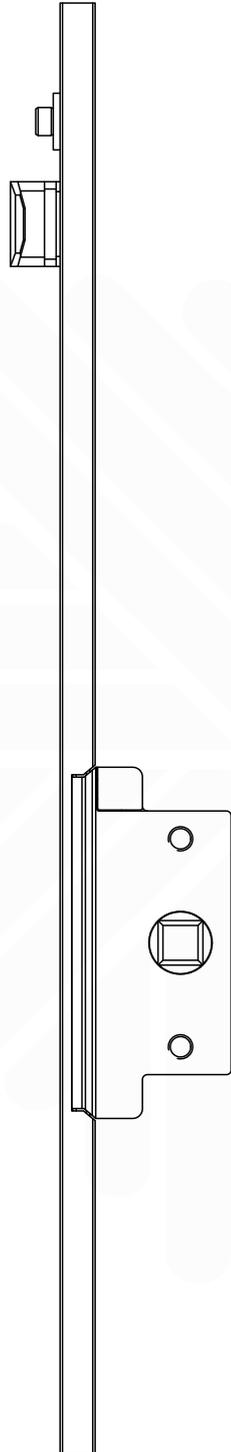


Detalhe de Aplicação
Sem Escala

Haste Cremona 1 Ponto
(Acionamento Interno)

CREE251PIN300

Encaixe: SU-245A

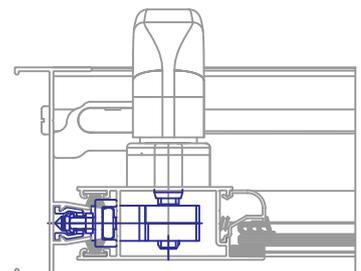
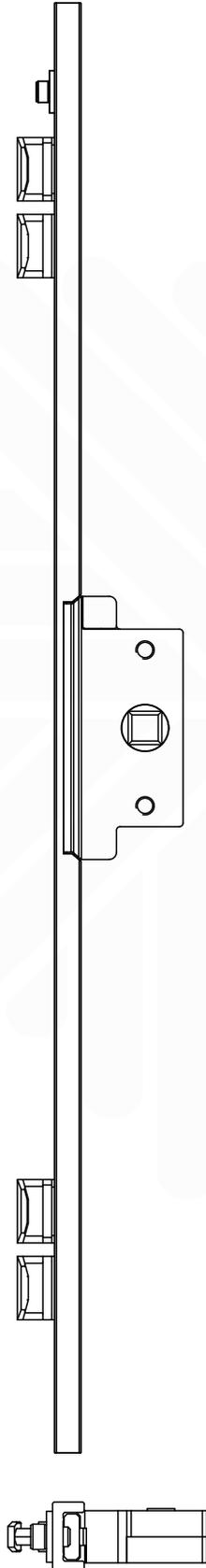


Detalhe de Aplicação
Sem Escala

Haste Cremona 2 Pontos
(Acionamento Interno)

CREE252PIN

Encaixe: SU-245A

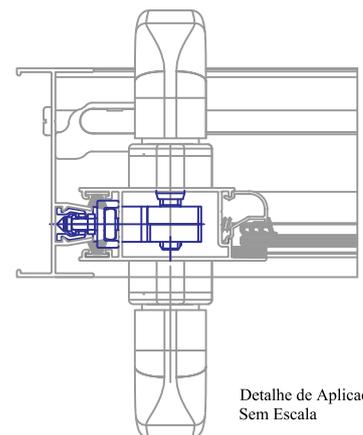
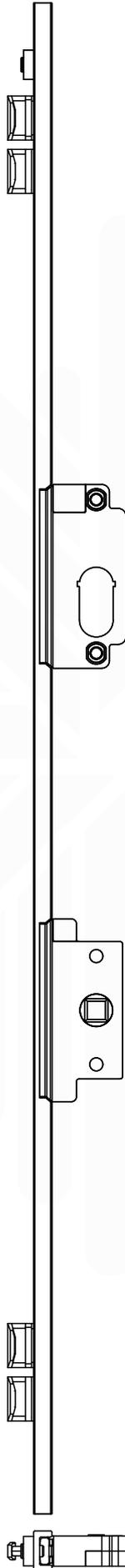


Detalhe de Aplicação
Sem Escala

Haste Cremona 2 Pontos
(Acionamento Interno e Externo)

CREE252PCIE

Encaixe: SU-245A

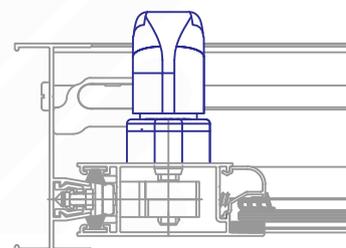
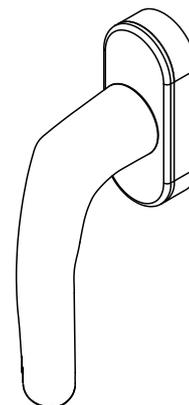
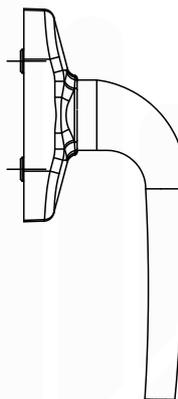
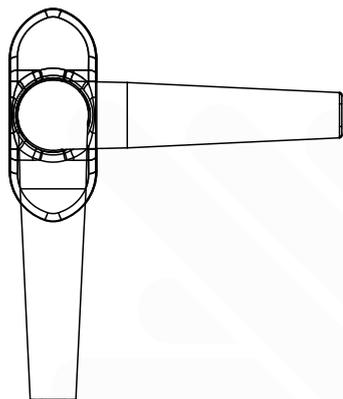


Detalhe de Aplicação
Sem Escala

Maçaneta Cremona Janela

Euro 90° Round

Encaixe: SU-245A

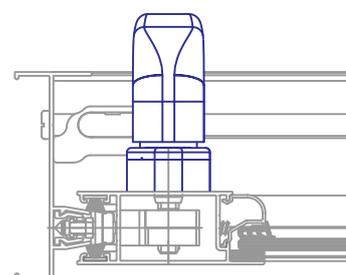
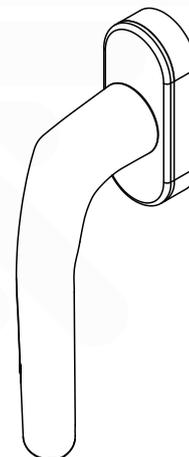
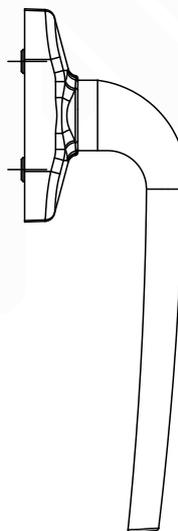
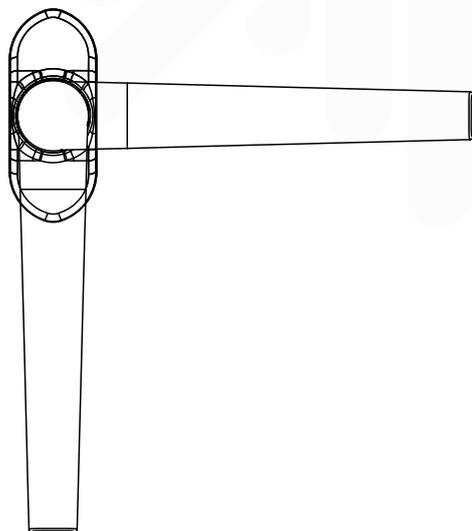


Detalhe de Aplicação Sem Escala

Maçaneta Cremona Porta

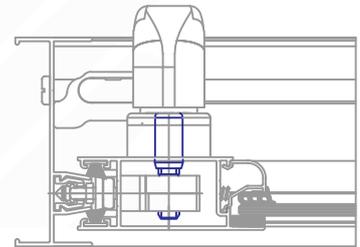
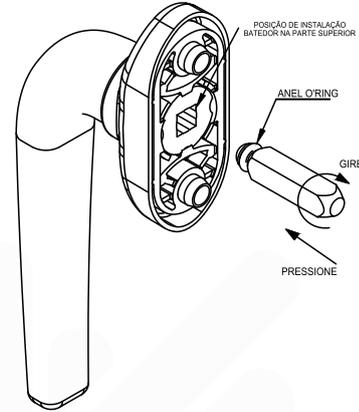
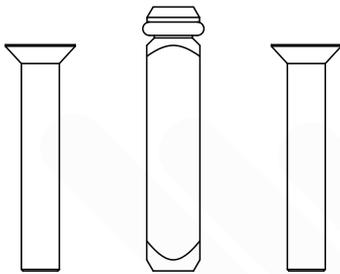
Euro 90° Round

Encaixe: SU-245A



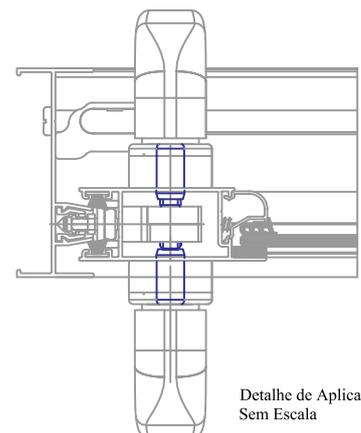
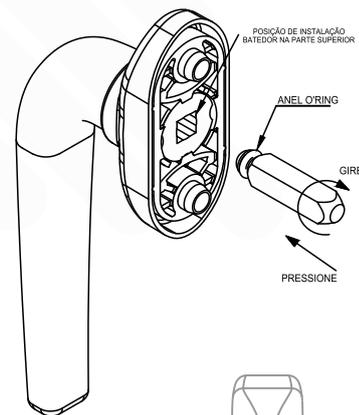
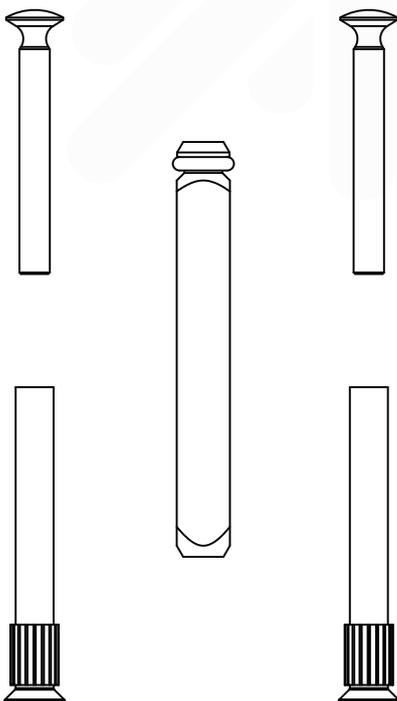
Detalhe de Aplicação Sem Escala

Kit Haste Interno Parafuso e Bucha
Cremona Int
 Encaixe: SU-245A



Detalhe de Aplicação Sem Escala

Kit Haste Interno / Externo Parafuso e Bucha
Cremona Ext
 Encaixe: SU-245A



Detalhe de Aplicação Sem Escala

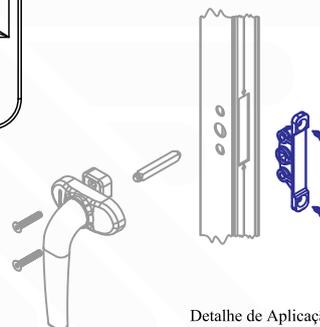
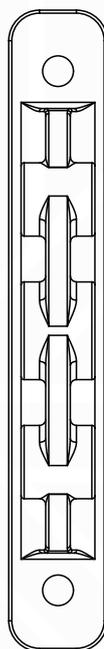
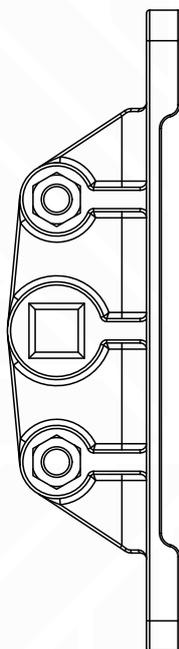
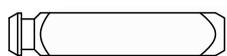
SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25

REV04

Kit Travamento Maçaneta
Cremona

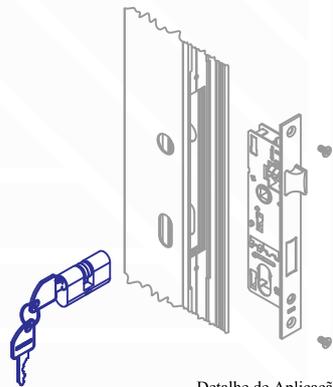
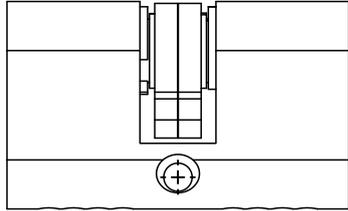
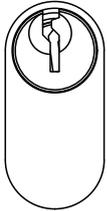
KITTRAMACREINYPRT

Encaixe: SU-245A



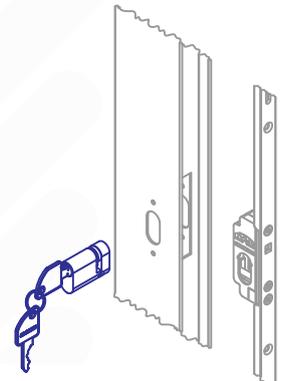
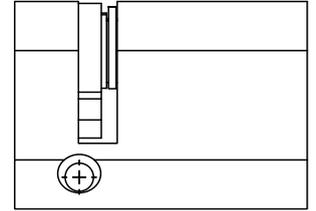
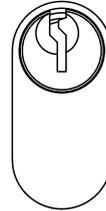
Detalhe de Aplicação
Sem Escala

Cilindro C400
CILC400
 Encaixe: SU-245A



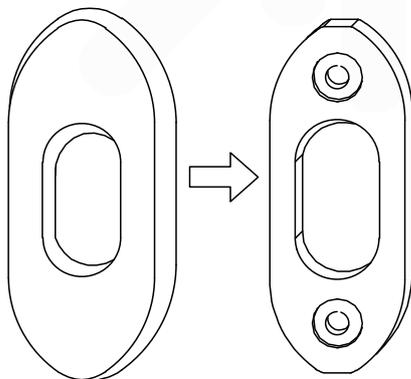
Detalhe de Aplicação Sem Escala

Cilindro C401
CILC401
 Encaixe: SU-245A

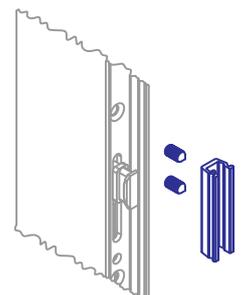
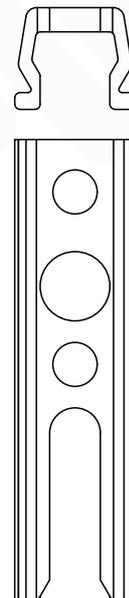


Detalhe de Aplicação Sem Escala

Acabamento Cilindro
Roseta
 Encaixe: Cilindro



Contra Fecho Cremona
CTFCRE1P2PL25
 Encaixe: SU-245A

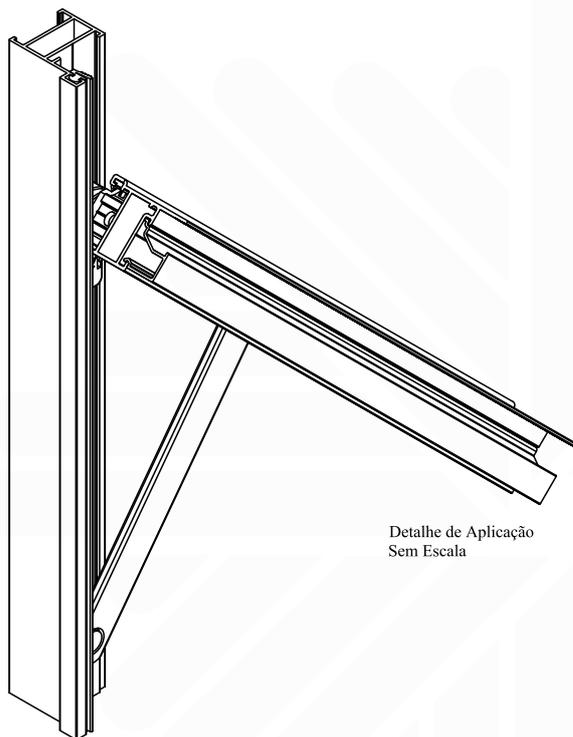


Detalhe de Aplicação Sem Escala

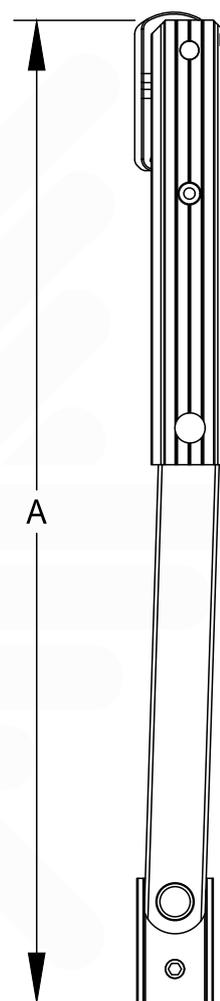
Braço Maxim-ar

BRA-(Ver Tabela)

Encaixe: SU-079/ SU-086/ SU-200



Detalhe de Aplicação
Sem Escala



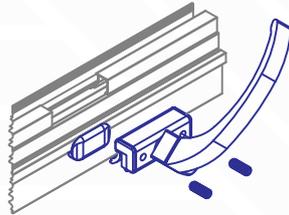
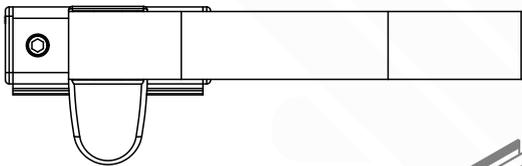
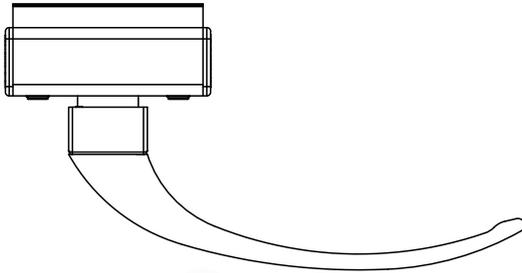
SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25

REV04

CÓDIGO	DIMENSÃO	LARGURA	ALTURA DA FOLHA		CARGA
			MÁXIMA (MM)	MÍNIMA (MM)	
BRA-705	250	750	270	500	6
BRA-704	400	750	400	650	8
BRA-702	500	750	520	810	10
BRA-703	750	750	810	900	11
BRA-725	810	750	900	1200	15

Fecho Maxim-ar

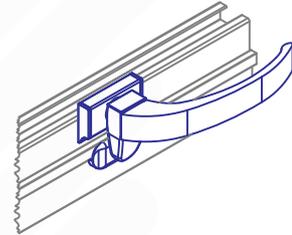
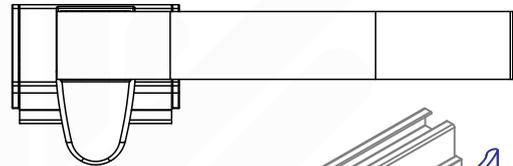
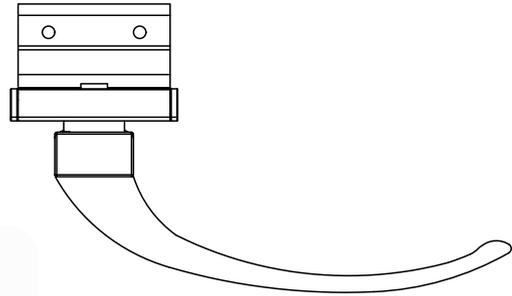
FEC-009



Detalhe de Aplicação
Sem Escala

Fecho Maxim-ar

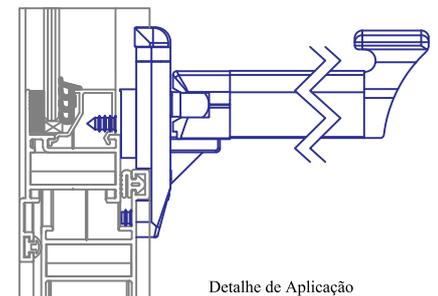
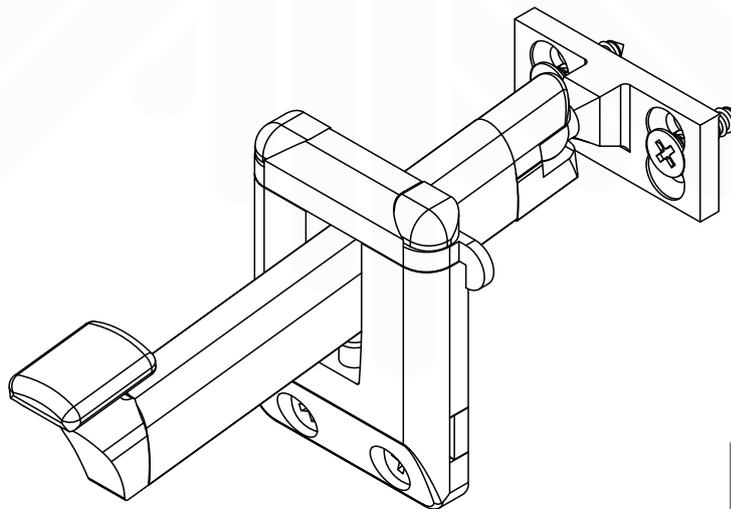
FEC-010



Detalhe de Aplicação
Sem Escala

Haste Smart

HAS



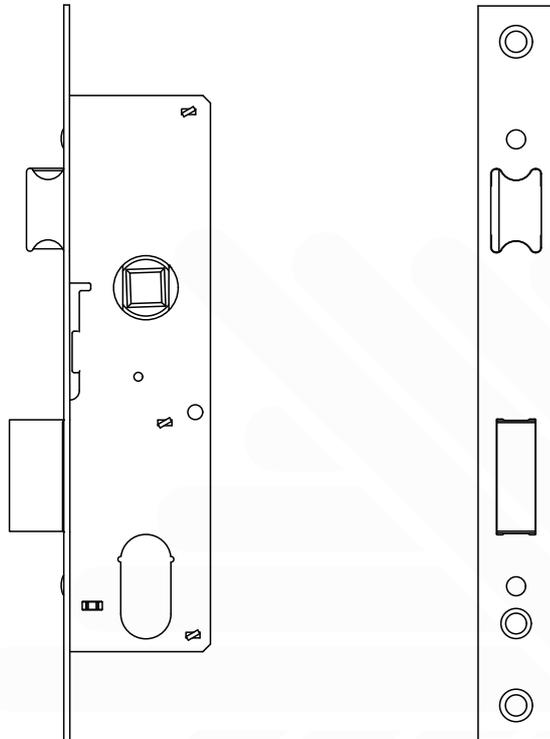
Detalhe de Aplicação
Sem Escala

NOTA: Não é recomendável este tipo de acionamento para esquadrias com alturas menores que 600mm.

Fechadura

FRA-323

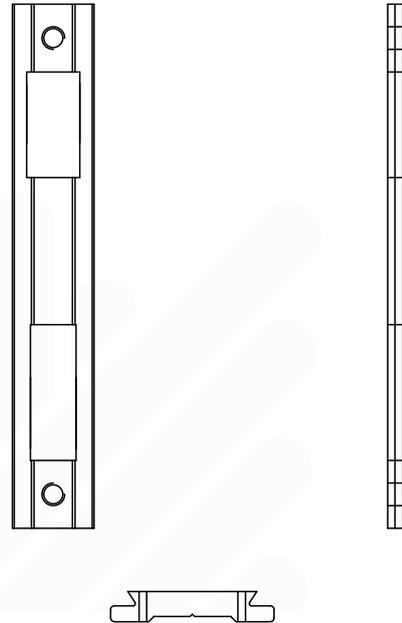
Encaixe: SU-111/ 25-542A



Contra Testa

CON-295

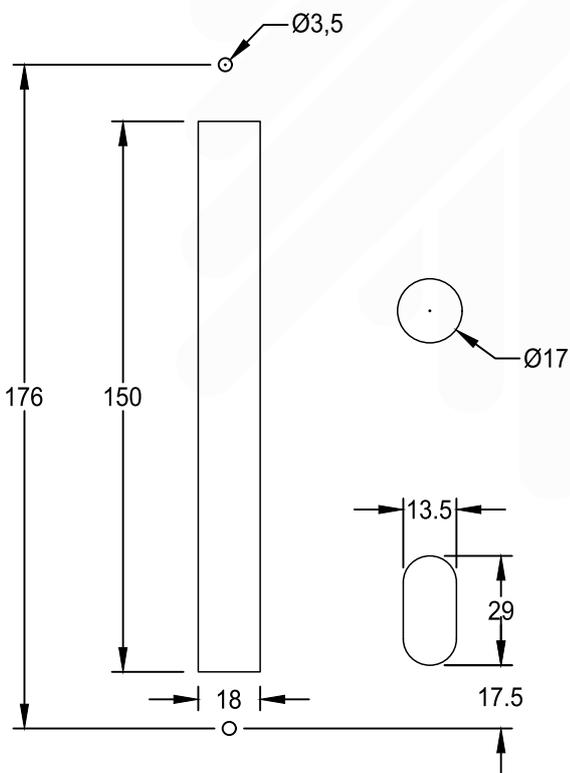
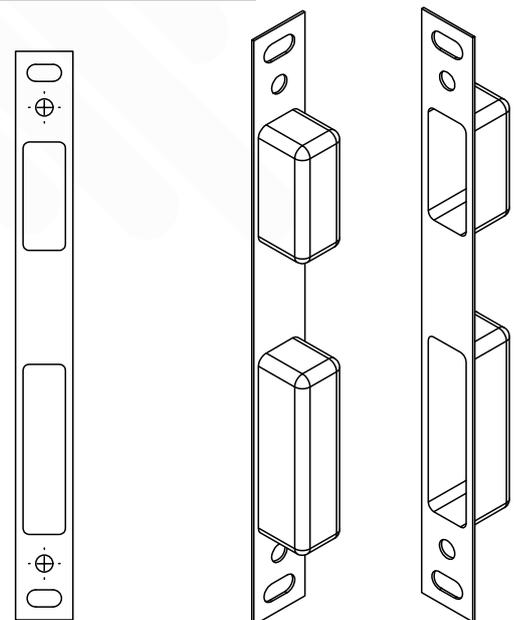
Encaixe: 25-540/ 25-541/ 25-548



Guarda Pó

EURO - NYL

Encaixe: 25-540/ 25-541/ 25-548

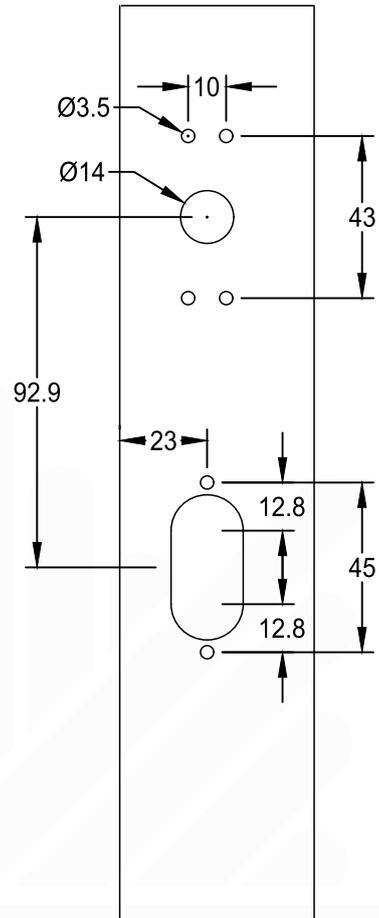
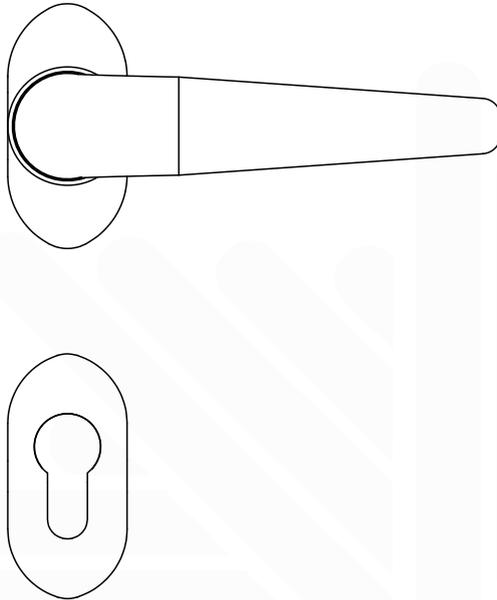


Detalhe Aplicação
Sem Escala

Maçaneta Roseta

MAC-EURO

Encaixe: SU-111/ 25-542A

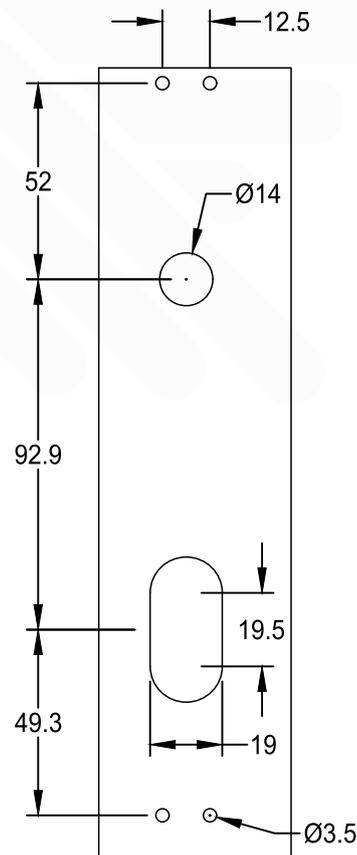
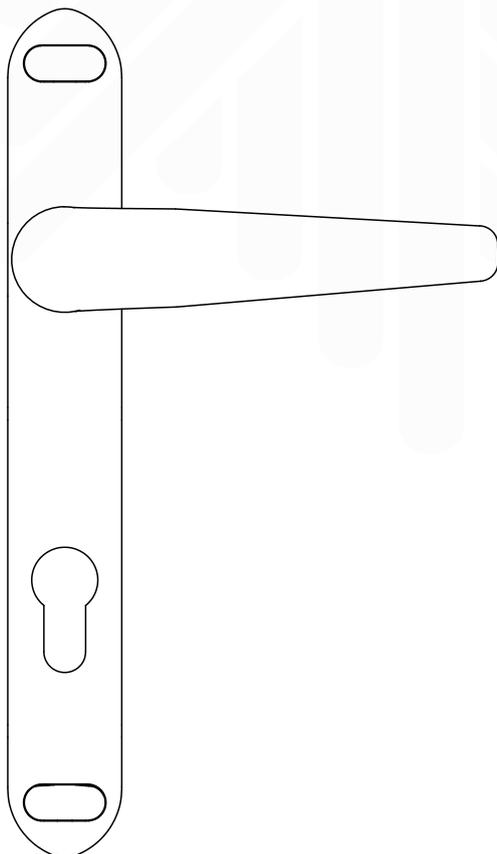


Medidas das usinagens conforme fabricante do componente.

Maçaneta Roseta

MAC-EURO

Encaixe: SU-111/ 25-542A

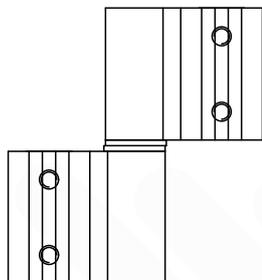


Medidas das usinagens conforme fabricante do componente.

Dobradiça 2 Abas

DOB-840

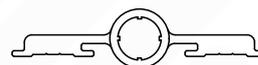
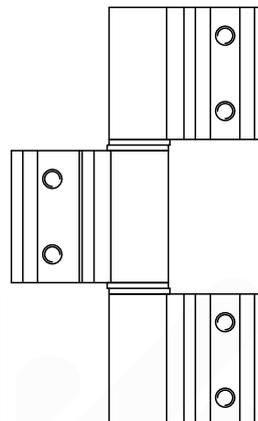
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25-541/ 25-542A/ SU-111



Dobradiça 3 Abas

DOB-840

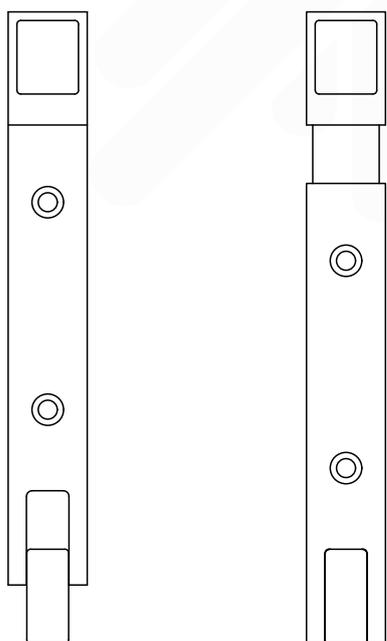
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25-541/ 25-542A/ SU-111



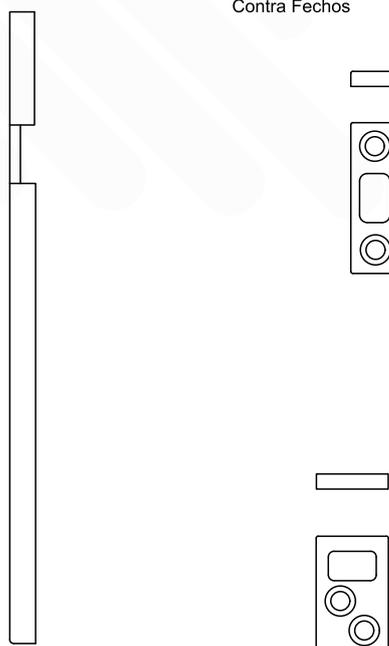
Fecho Unha

FEC-1920CF

Encaixe: SU-111/ 25-542A



Contra Fechos



Vedação Inferior Porta

VEDPORIN

Encaixe: SU-111/ 25-542A



VERSÕES

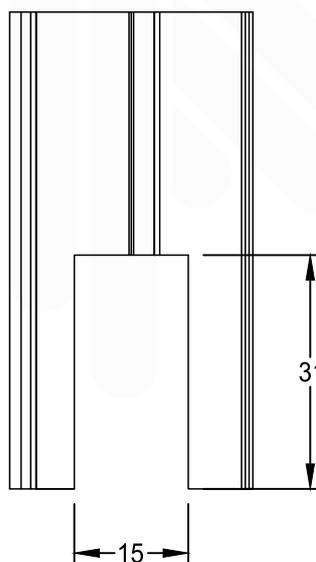
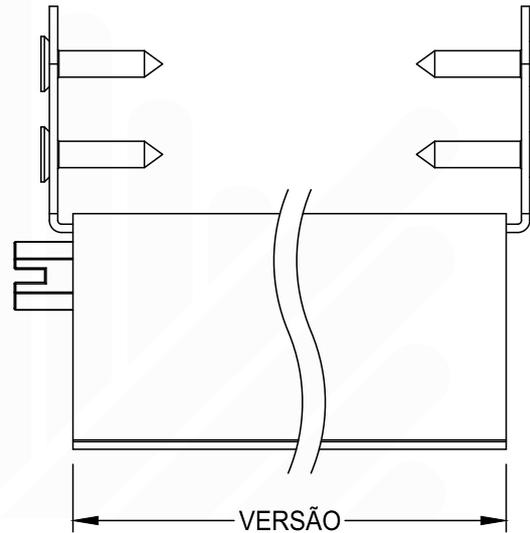
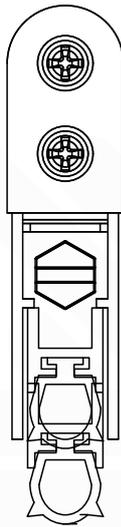
620

720

820

920

1020



Medidas das usinagens conforme fabricante do componente.

Parafuso AA Ø3,5 x 9,5mm

PAR-437

Uso: Fixação Mata Junta Lateral



Parafuso AA Ø4,2 x 16mm

PAR-936

Uso: Fixação Presilha do Arremate



Parafuso AA Ø4,2 x 25mm

PAR-963

Uso: Fixação Marco Maxim-ar



Parafuso AA Ø4,2 x 32mm

PAR-694

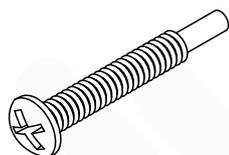
Uso: Fixação Marco Porta de Giro



Parafuso PG Ø4,8 x 38mm

PAR-428

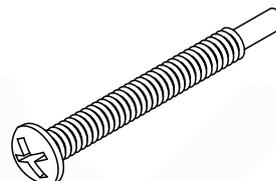
Uso: Fixação Marco



Parafuso PG Ø4,8 x 50mm

PAR-431

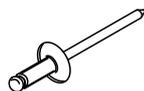
Uso: Fixação Folhas



Rebite Ø3,2 x 10,2mm

REB-440

Uso: Fixação Pingadeira Maxim-ar



Rebite Ø4,0 x 10,2mm

REB-540

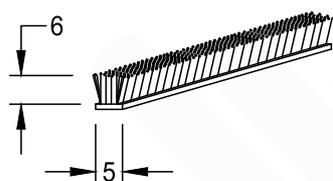
Uso: Fixação Pingadeira Maxim-ar



Fita Vedadora 5 x 6mm

FIT-206

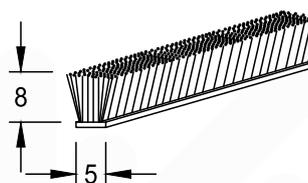
Uso: Montante Mão de Amigo e Lateral



Fita Vedadora 5 x 8mm

FIT-212

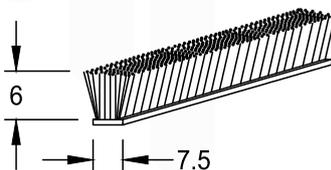
Uso: Folha Inferior e Superior Horizontal



Fita Vedadora 7,5 x 6mm

FIT-246

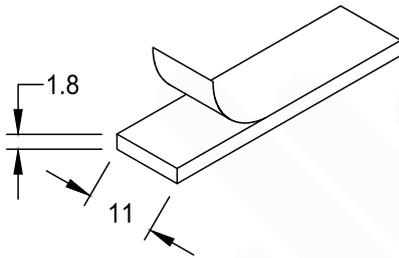
Uso: Travessa Horizontal



Espuma Adesiva

GUA-172

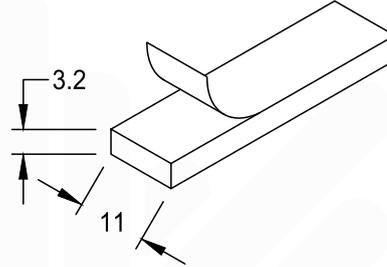
Uso: Conforme Detalhe uso de Guarnições



Espuma Adesiva

GUA-171

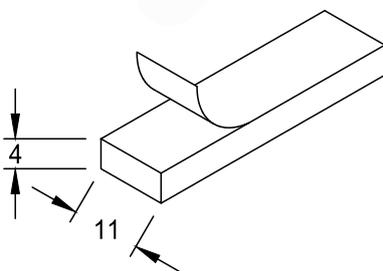
Uso: Conforme Detalhe uso de Guarnições



Espuma Adesiva

GUA-258

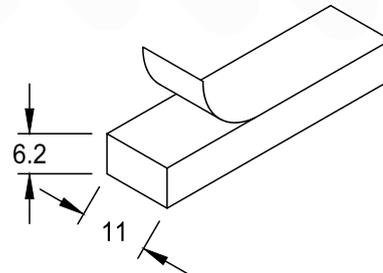
Uso: Conforme Detalhe uso de Guarnições



Espuma Adesiva

GUA-157

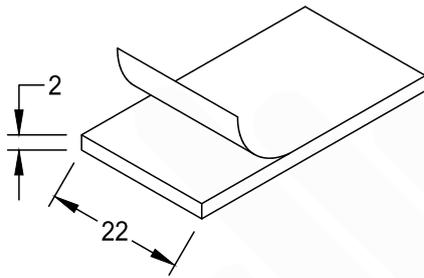
Uso: Conforme Detalhe uso de Guarnições



Espuma Adesiva

GUA-282

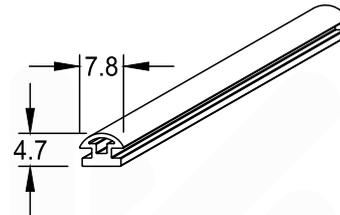
Uso: Venezianas



Guarnição EPDM

GUA-053

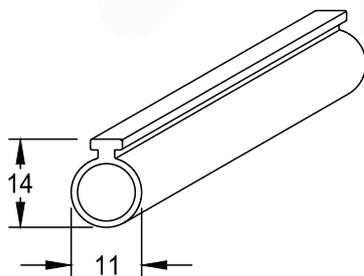
Uso: SU-200



Guarnição EPDM

GUA-007

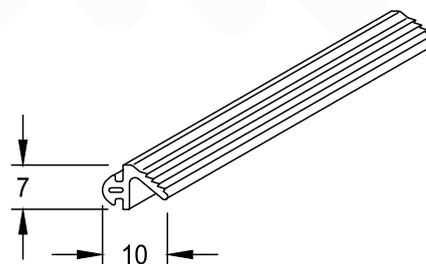
Uso: SU-083



Guarnição EPDM

GUA-239

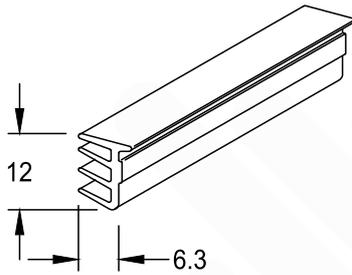
Uso: SU-079/ SU-086



Guarnição EPDM

GUA-256

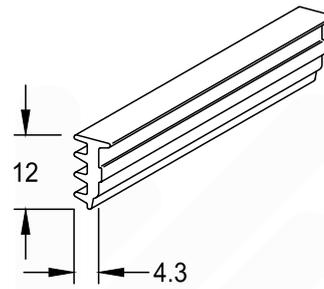
Uso: Conforme Detalhe uso de Guarnições



Guarnição EPDM

GUA-259

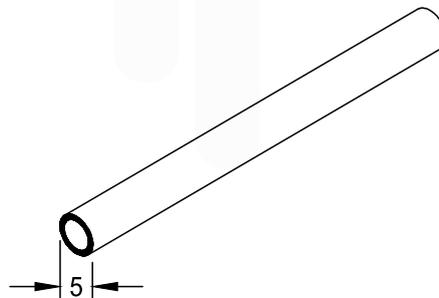
Uso: Conforme Detalhe uso de Guarnições

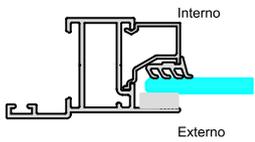
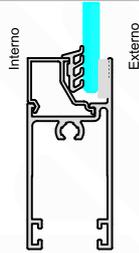
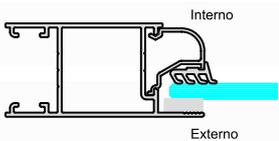
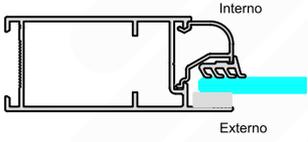
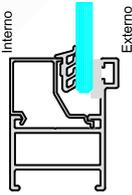


Guarnição EPDM

GUA-006

Uso: Tela Mosquiteira

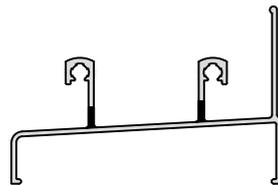


Detalhe De Aplicação	Espessura Do Vidro (mm)	Baguete	Guarnição Interna	Guarnição Externa
 <p>Folhas Maxim Ar</p>	4	SU-102A / SU102B	GUA-256	GUA-157
	5	SU-102A / SU102B	GUA-256	GUA-258
	6	SU-102A / SU102B	GUA-259	GUA-258
	8	SU-102C	GUA-259	GUA-258
 <p>Travessa Horizontal</p>	4	SU-102A / SU102B	GUA-256	GUA-157
	5	SU-102A / SU102B	GUA-256	GUA-171
	6	SU-102A / SU102B	GUA-259	GUA-171
	8	SU-102C	GUA-259	GUA-172
 <p>Montante Vertical</p>	4	SU-102A / SU102B	GUA-256	GUA-157
	5	SU-102A / SU102B	GUA-256	GUA-258
	6	SU-102A / SU102B	GUA-259	GUA-258
	8	SU-102C	GUA-259	GUA-258
 <p>Folha Giro</p>	4	SU-102A / SU102B	GUA-256	GUA-157
	5	SU-102A / SU102B	GUA-256	GUA-258
	6	SU-102A / SU102B	GUA-259	GUA-258
	8	SU-102C	GUA-259	GUA-258
 <p>Quadro Fixo</p>	4	SU-103A	GUA-256	GUA-157
	5	SU-103A	GUA-256	GUA-171
	6	SU-103A	GUA-259	GUA-171
	8	SU-103B	GUA-259	GUA-172

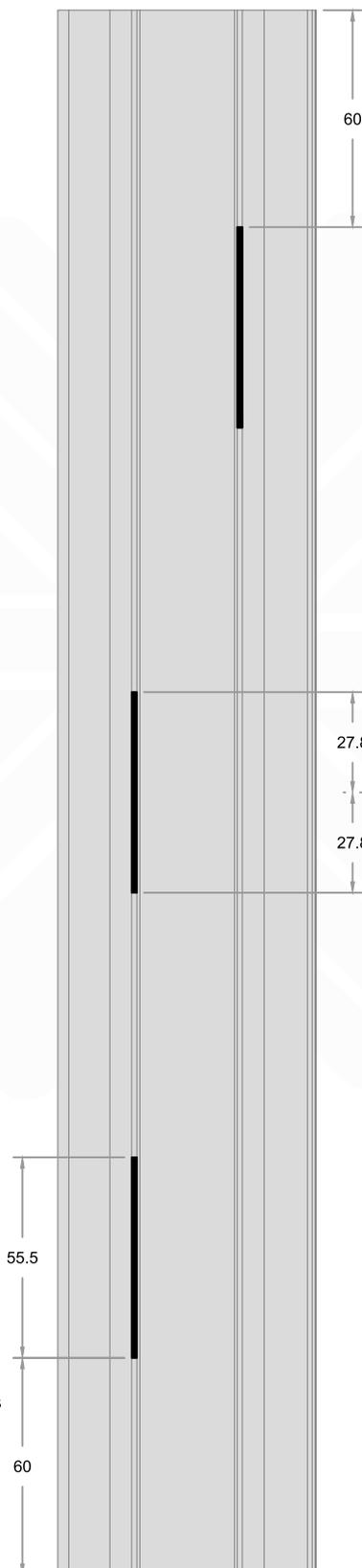
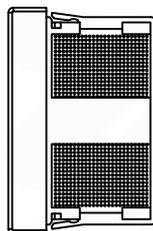
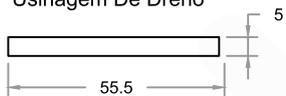
ÍNDICE DE USINAGENS

Código	Descrição	Página
SU-002	PERFIS	83
SU-003	PERFIS	85
SU-006	PERFIS	83
SU-007	PERFIS	86
SU-008A	PERFIS	92
SU-011	PERFIS	84
SU-013	PERFIS	88
SU-014	PERFIS	87
SU-022	PERFIS	83
SU-038A	PERFIS	91
SU-039A	PERFIS	89
SU-040A	PERFIS	90
SU-041A	PERFIS	90
SU-042A	PERFIS	90
SU-047A	PERFIS	91
SU-049A	PERFIS	91
SU-068A	PERFIS	89
SU-069A	PERFIS	90
SU-070A	PERFIS	89
SU-070A	PERFIS	90
SU-079	PERFIS	93
SU-080	PERFIS	94
SU-083	PERFIS	93
SU-086	PERFIS	93
SU-200	PERFIS	94
SU-228	PERFIS	83
SU-230	PERFIS	84
SU-238A	PERFIS	91
SU-242A	PERFIS	90
SU-243A	PERFIS	90
SU-245A	PERFIS	89
SU-2522	PERFIS	83
SU-2523	PERFIS	83
SU-2541	PERFIS	83
SU-2542	PERFIS	83
SU-2569	PERFIS	83
SU-2622	PERFIS	84

PERFIS
SU-002
SU-2541
SU-228
SU-2523
SU-006
SU-2542
SU-2569
SU-2522
SU-022



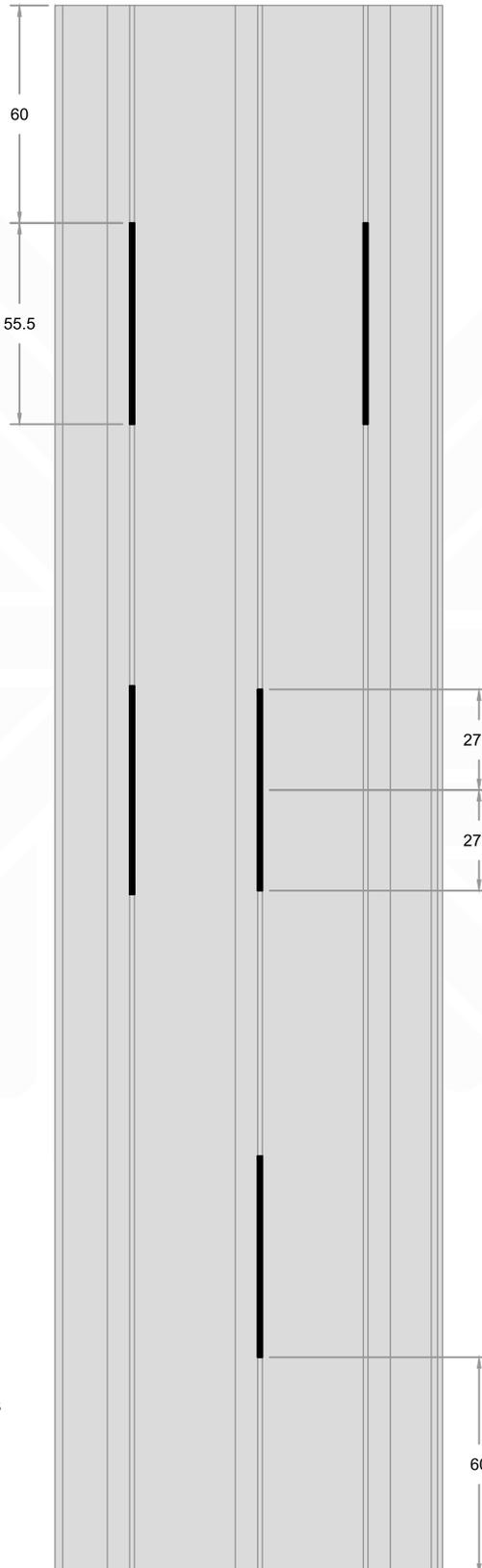
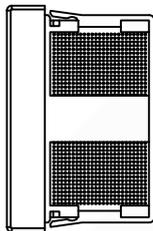
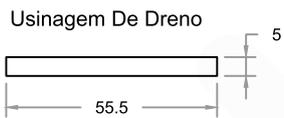
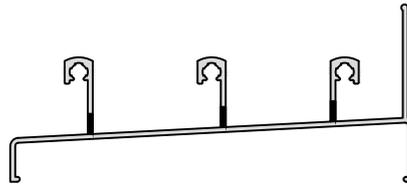
Usinagem De Dreno



Observações:

- * Os drenos devem ser feitos sempre no sentido contrário da folha quando as mesmas estiverem fechadas.
- * Distância máxima entre os drenos 450mm.
- * Para vãos maiores, deve-se aumentar o número de drenos.

PERFIS
SU-011
SU-230
SU-2622

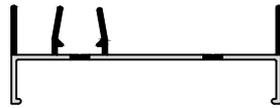


Observações:

- * Os drenos devem ser feitos sempre no sentido contrário da folha quando as mesmas estiverem fechadas.
- * Distância máxima entre os drenos 450mm.
- * Para vãos maiores, deve-se aumentar o número de drenos.

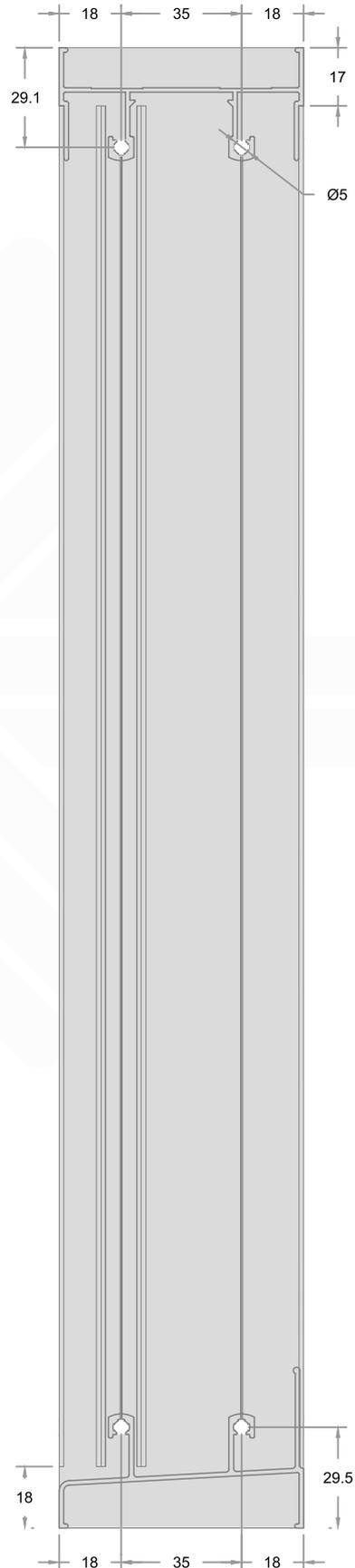
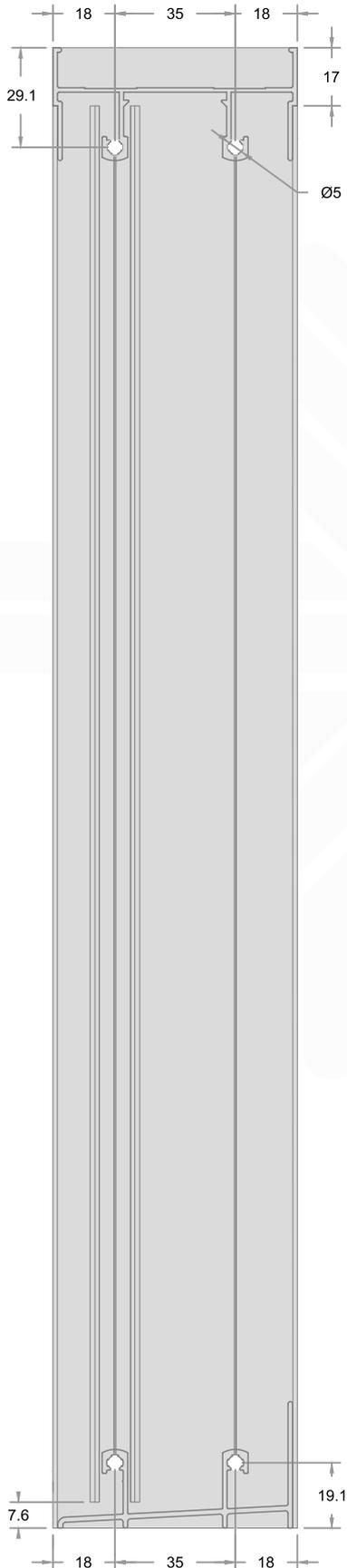
60

PERFIS
SU-003



Observações:

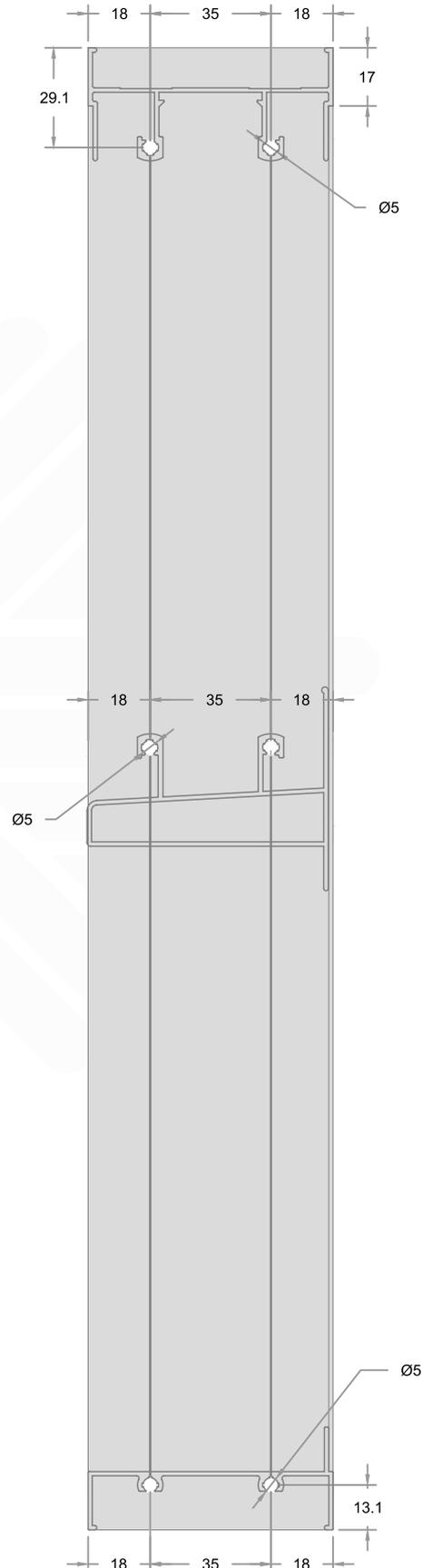
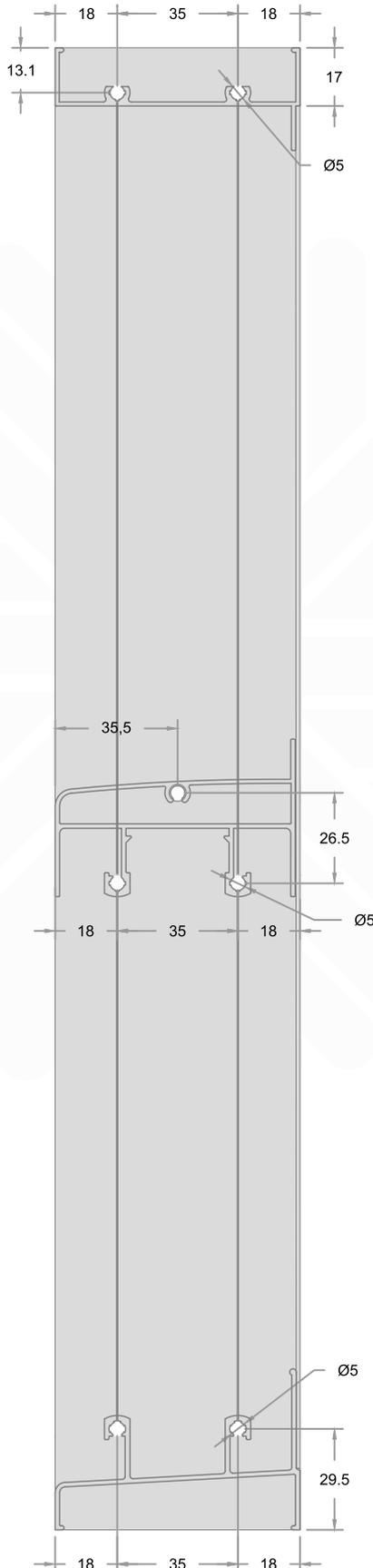
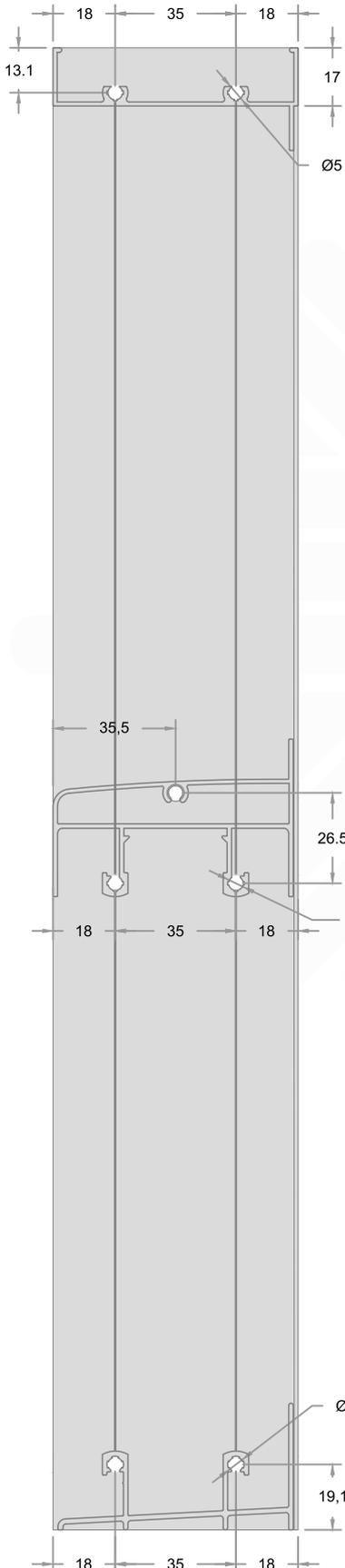
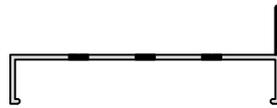
* Furações dos trilhos inferiores conforme perfil utilizado.



PERFIS
SU-007

Observações:

- * Furações dos trilhos inferiores conforme perfil utilizado.
- * Atentar-se a furação da travessa da bandeira.

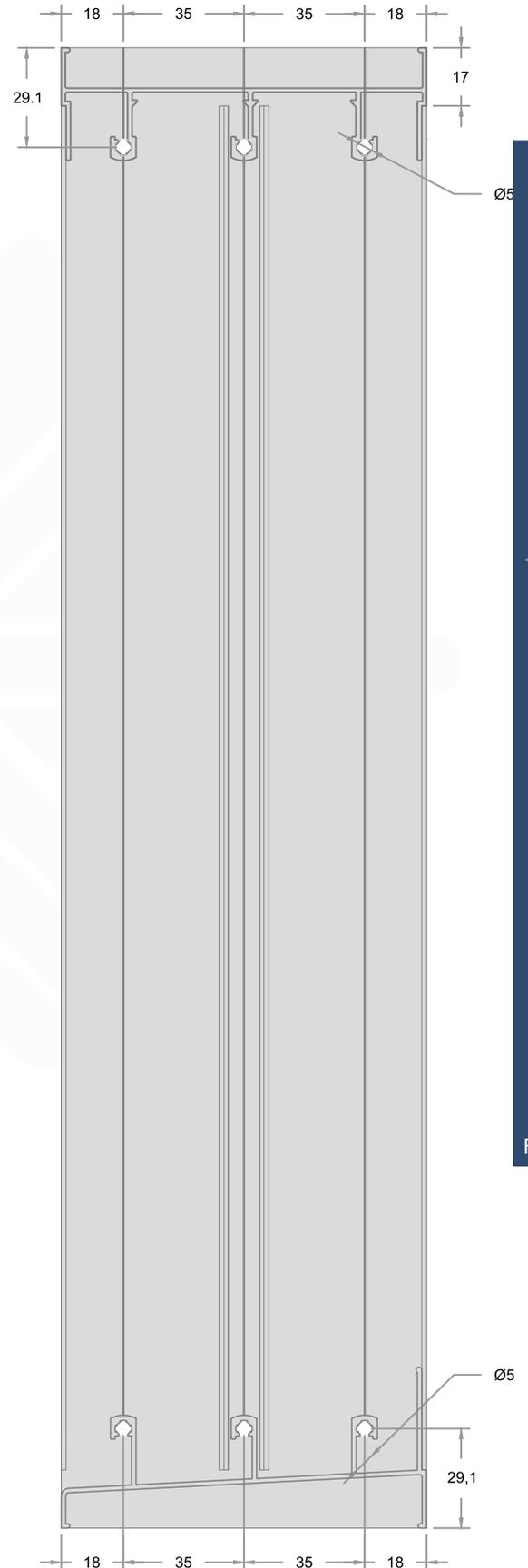
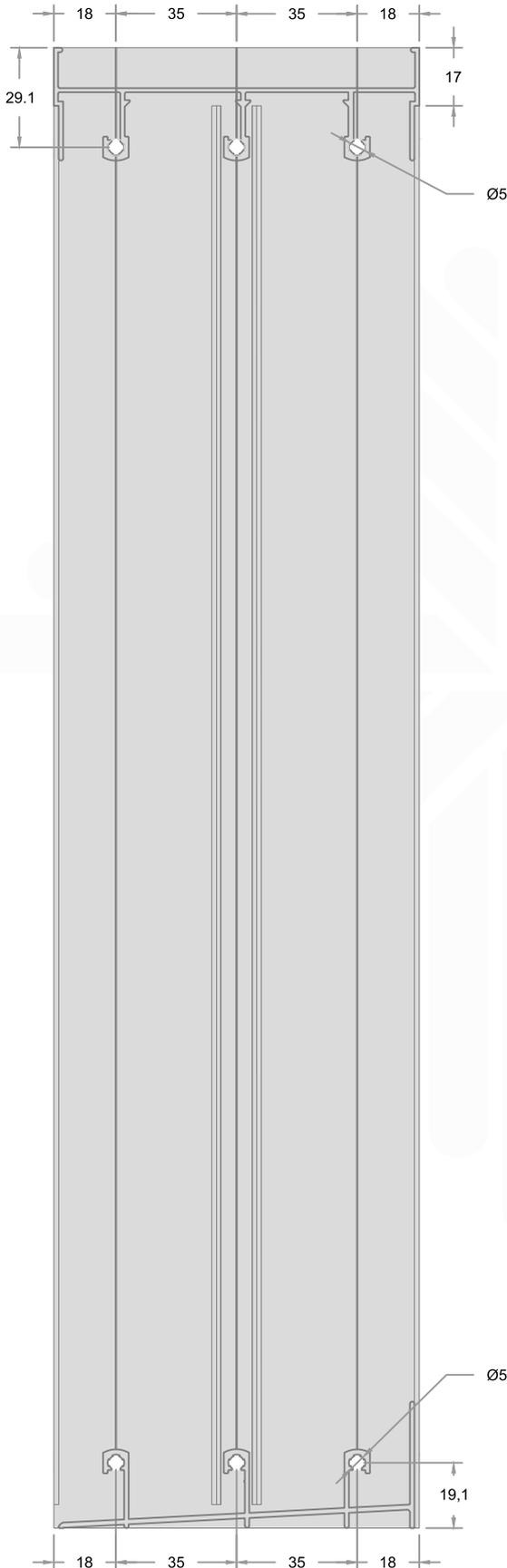
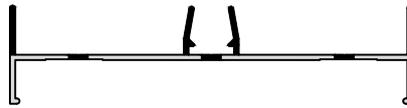


SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25
REV04

PERFIS
SU-014

Observações:

* Furações dos trilhos inferiores conforme perfil utilizado.



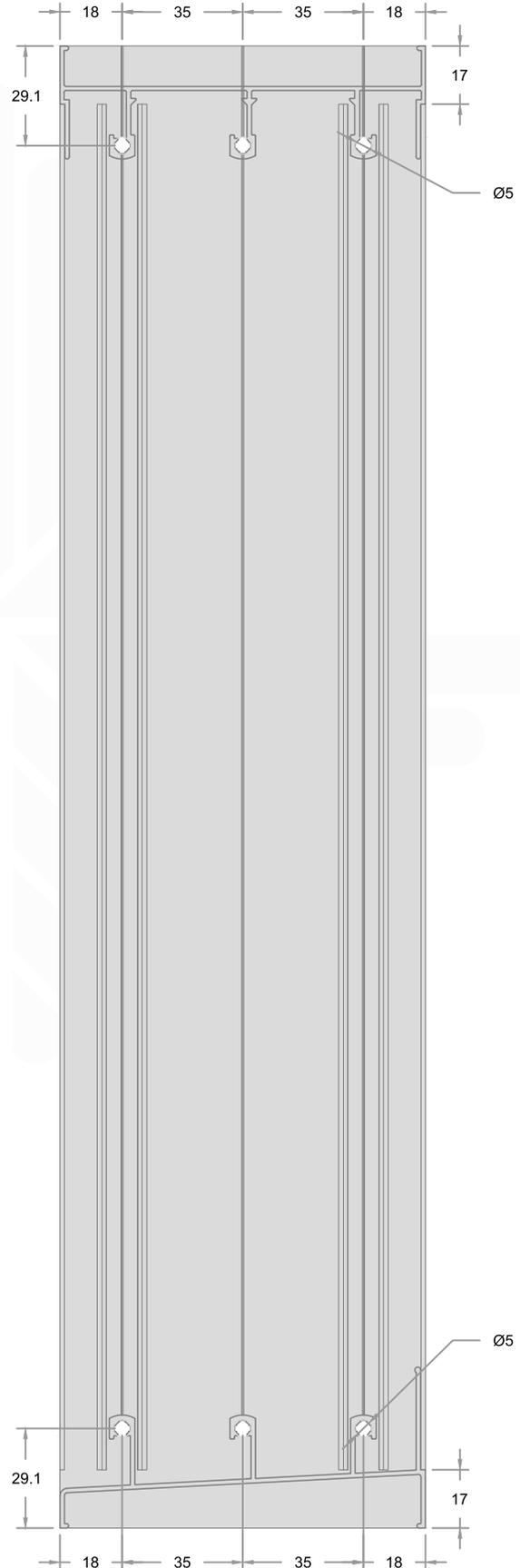
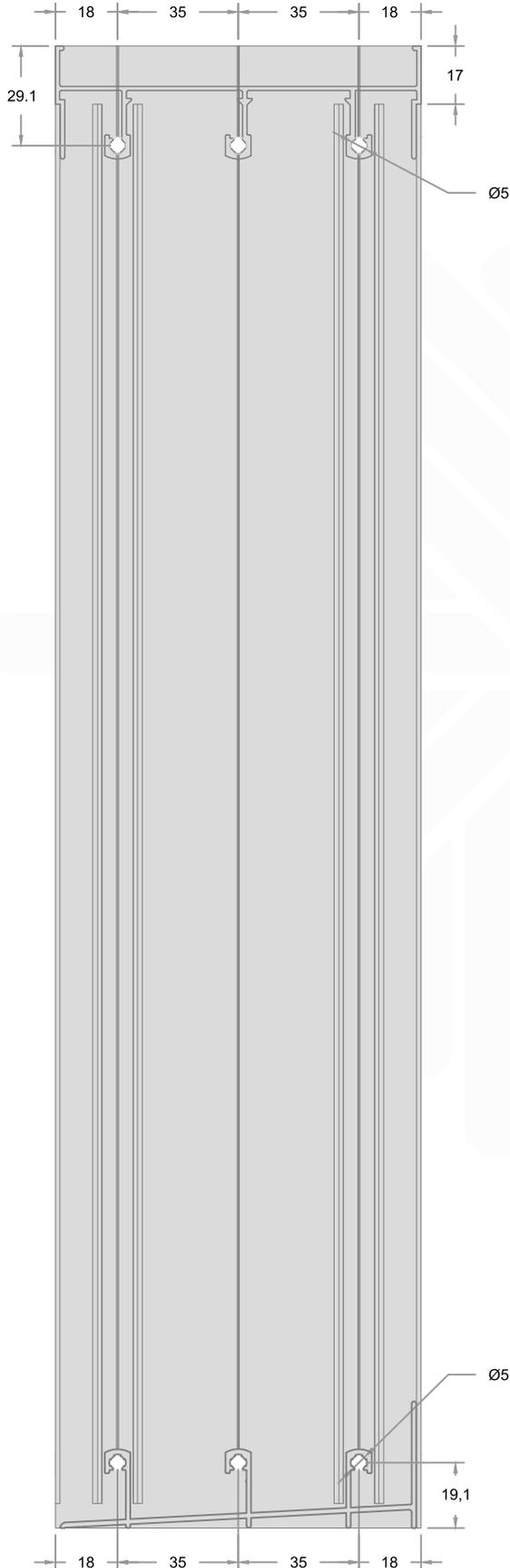
SISTEMA DE ESQUADRIAS  PRAIA DO ROSA 25
REV04

PERFIS
SU-013



Observações:

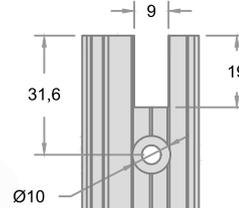
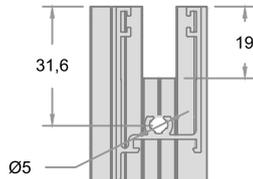
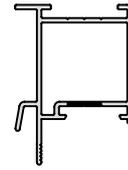
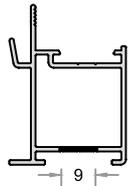
* Furações dos trilhos inferiores conforme perfil utilizado.



SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25
REV04

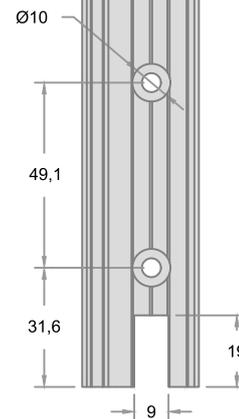
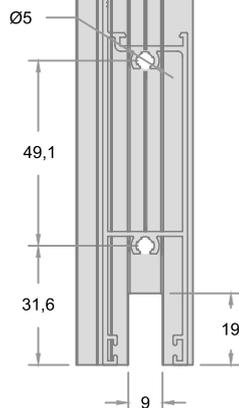
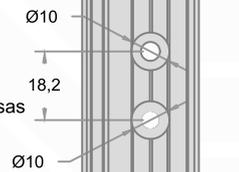
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- SU-042A
- SU-242A
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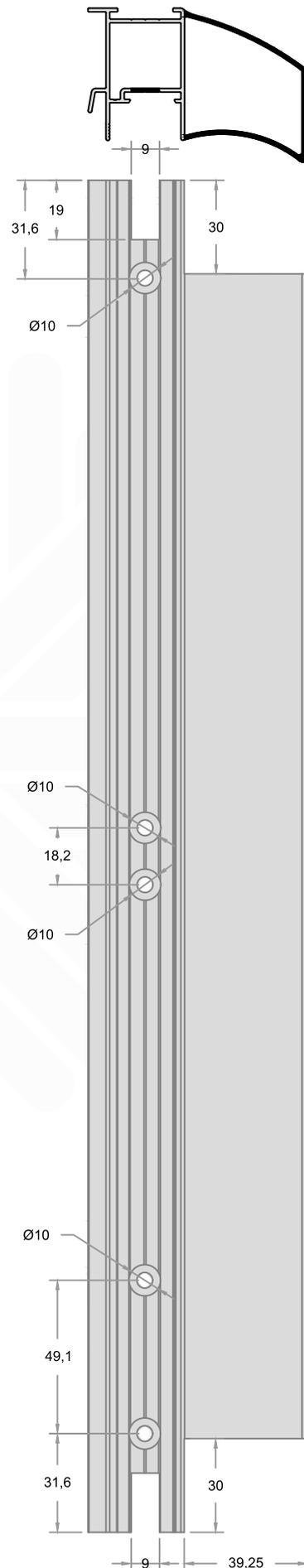
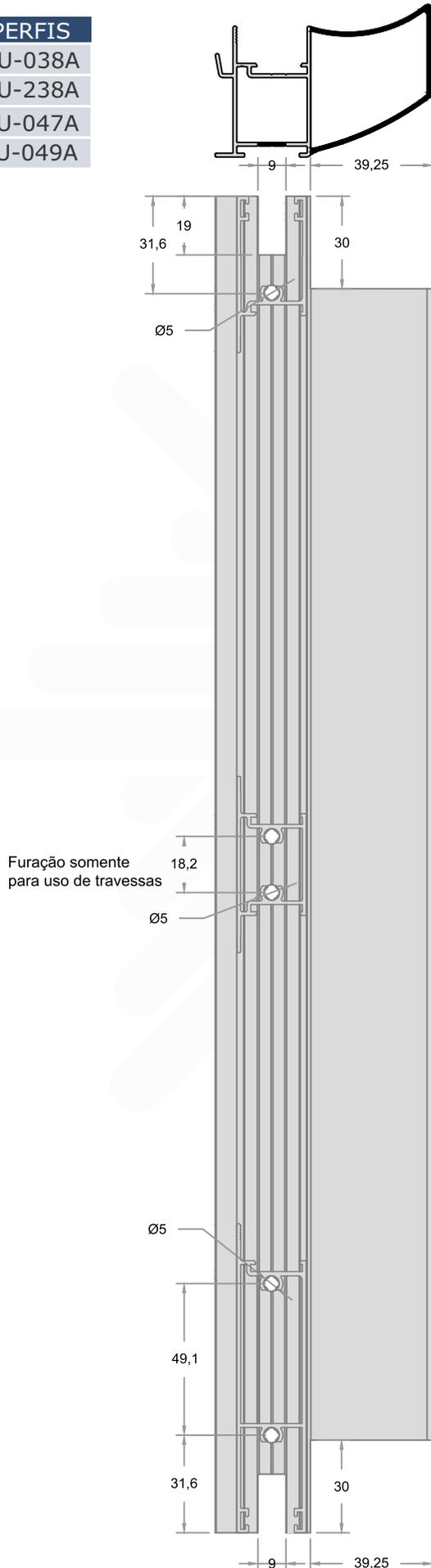


Furação somente para uso de travessas

Furação somente para uso de travessas



- PERFIS**
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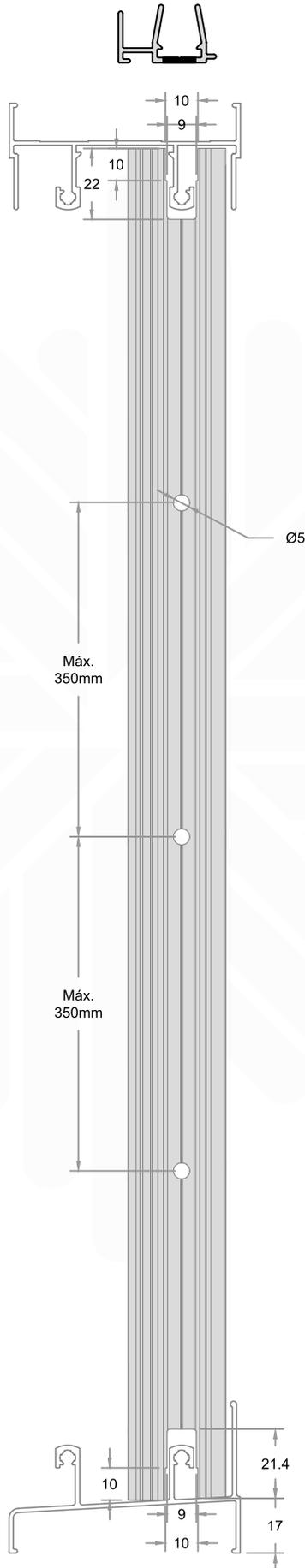


SISTEMA DE ESQUADRIAS  PRAIA DO ROSA 25
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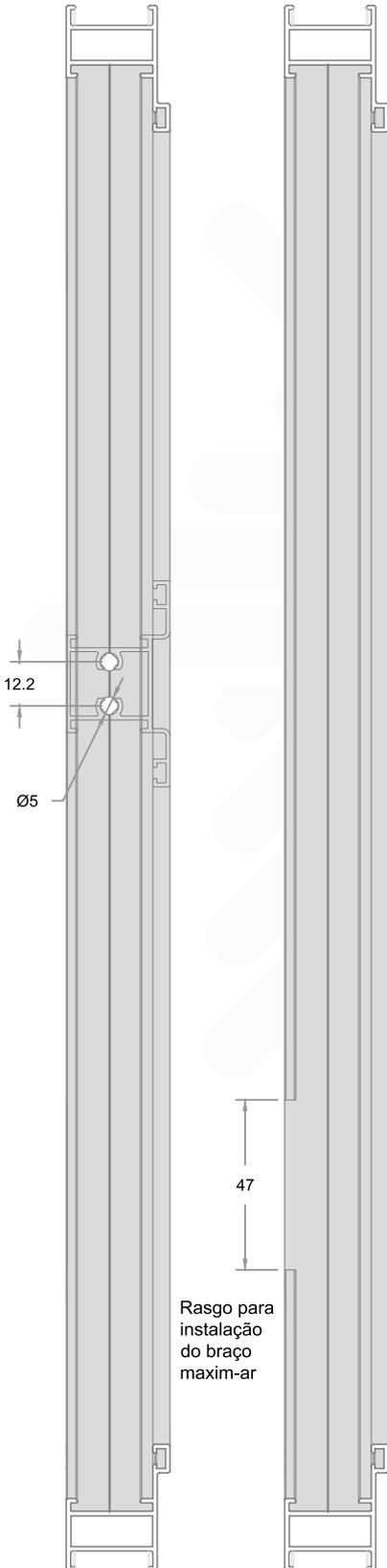
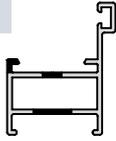
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SISTEMA DE ESQUADRIAS PRAIA DO ROSA 25

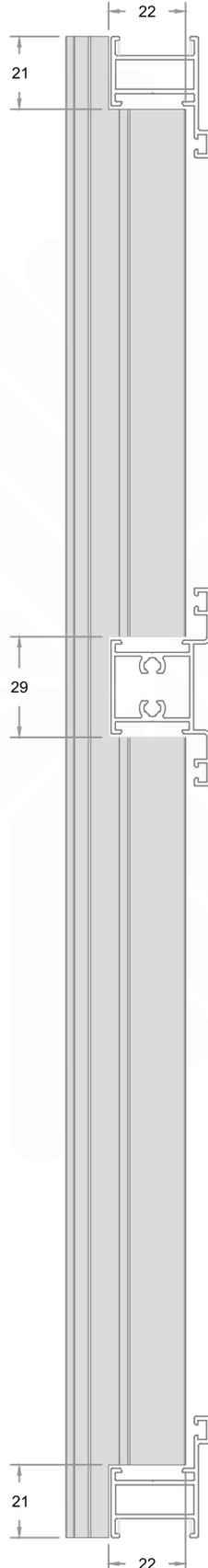
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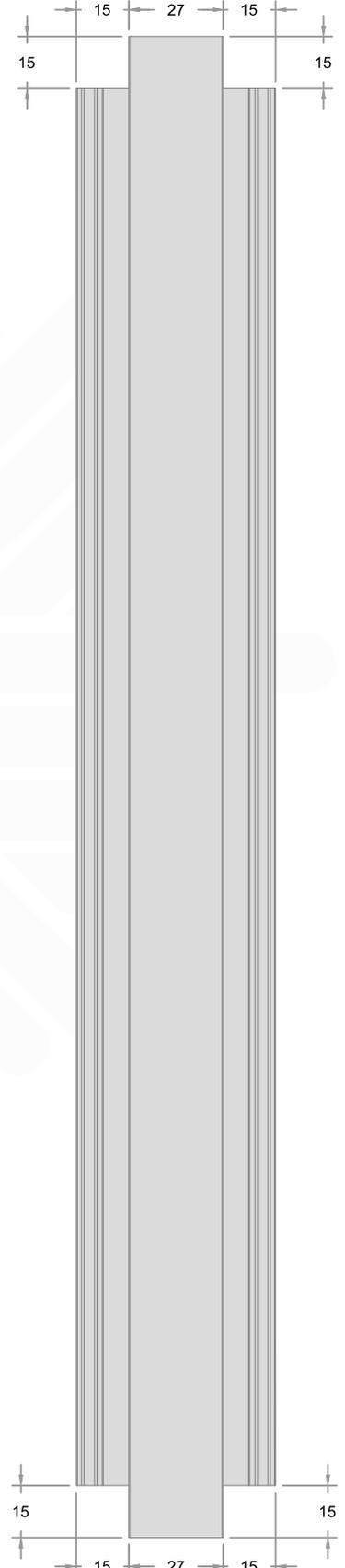
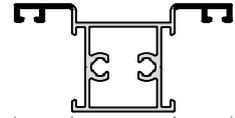
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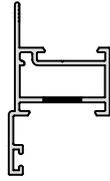
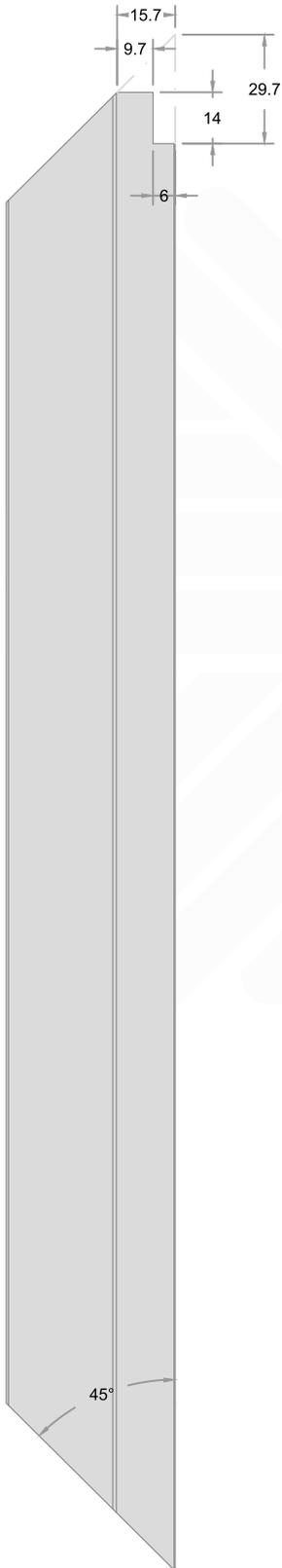
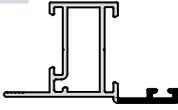
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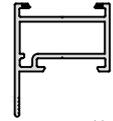
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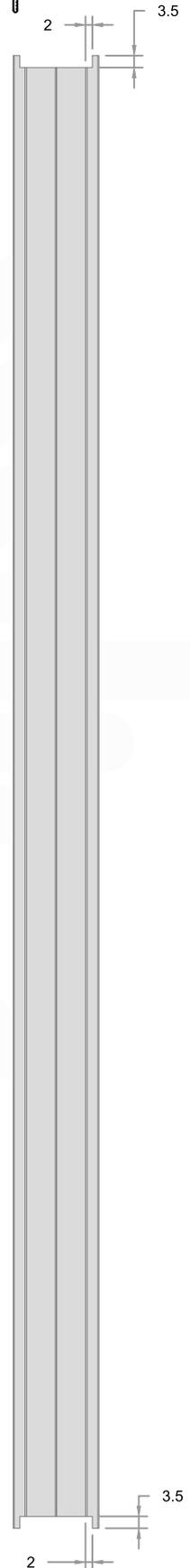
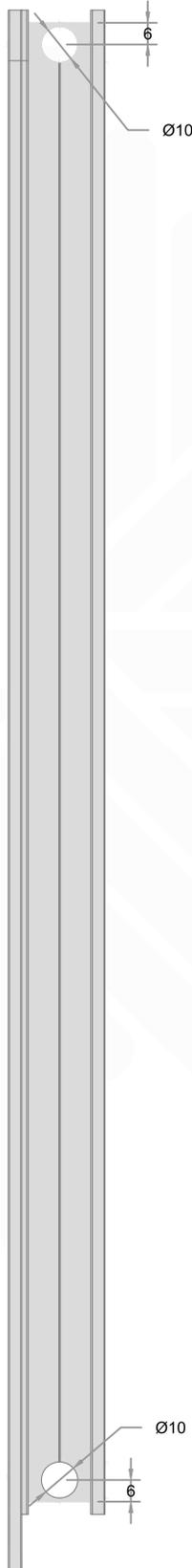
PERFIS
SU-200



PERFIS
SU-080



Rasgo para
instalação do
braço maxim-ar

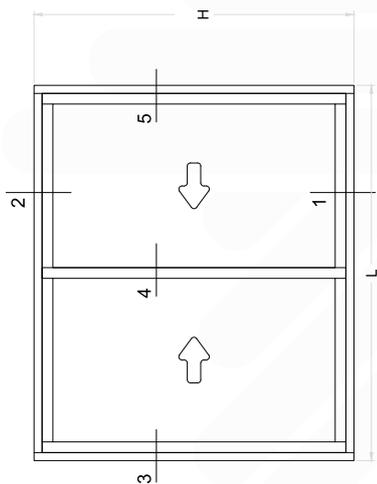


Rasgo para
instalação do
braço maxim-ar

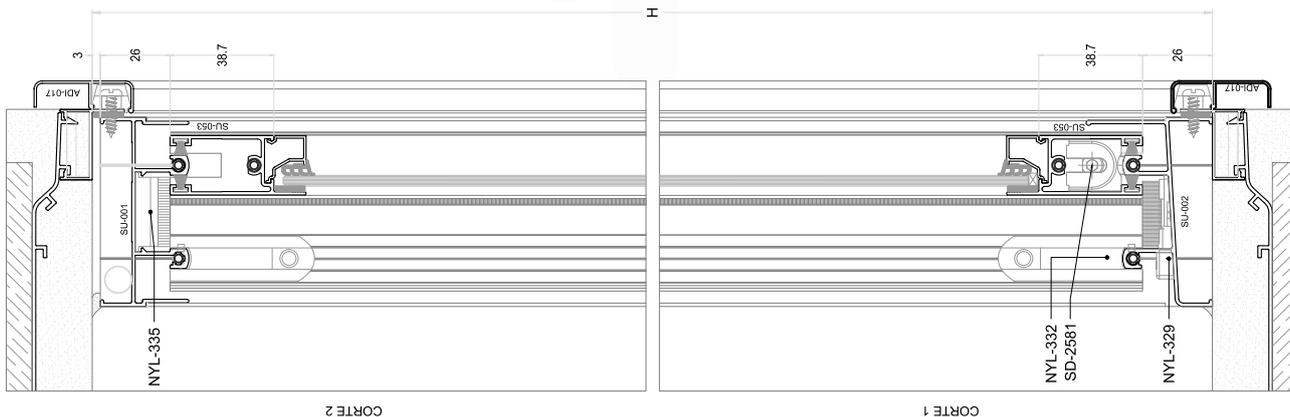
ÍNDICE DETALHES CONSTRUTIVOS

Descrição	Página
JANELA DE CORRER 2 FOLHAS	96
JANELA DE CORRER 2 FOLHAS COM PEITORIL 2 FOLHAS COM PEITORIL	97
JANELA DE CORRER 3 FOLHAS SENDO 2 VENEZIANAS E 1 VIDRO	98
JANELA DE CORRER 4 FOLHAS	99
JANELA DE CORRER 6 FOLHAS SENDO 4 VENEZIANAS E 2 VIDRO	100
PORTA DE CORRER 2 FOLHAS	101
PORTA DE CORRER 2 FOLHAS COM BANDEIRA FIXA	102
JANELA MAXIM AR 1 FOLHAS	103
JANELA MAXIM AR 1 MÓDULOS COM PEITORIL FIXO	104
JANELA MAXIM AR 2 MÓDULOS COM PEITORIL FIXO	105
PORTA DE GIRO 1 FOLHA VIDRO E VENEZIANA	106
PORTA DE GIRO 2 FOLHA	107

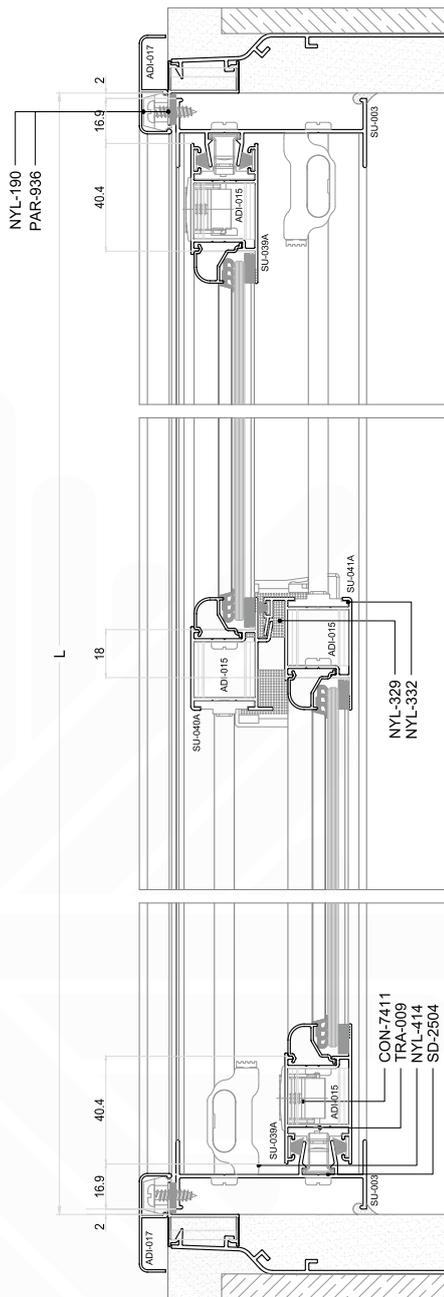
JANELA DE CORRER
2 FOLHAS



- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.

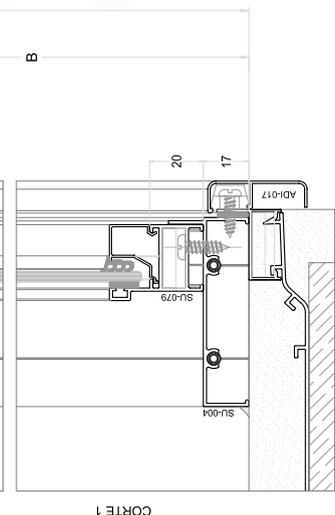
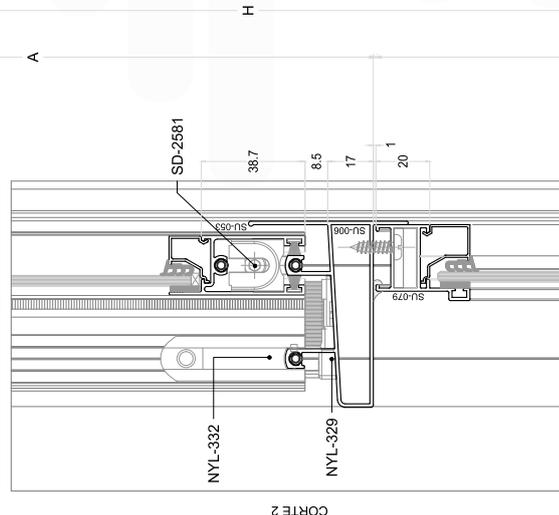
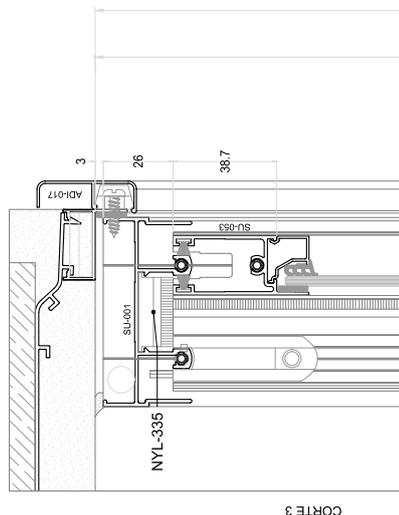
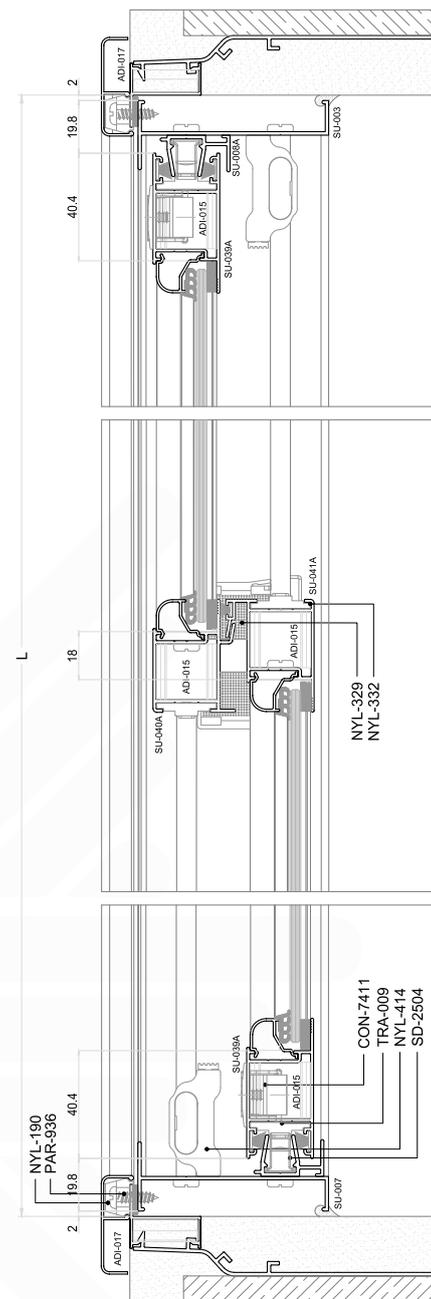
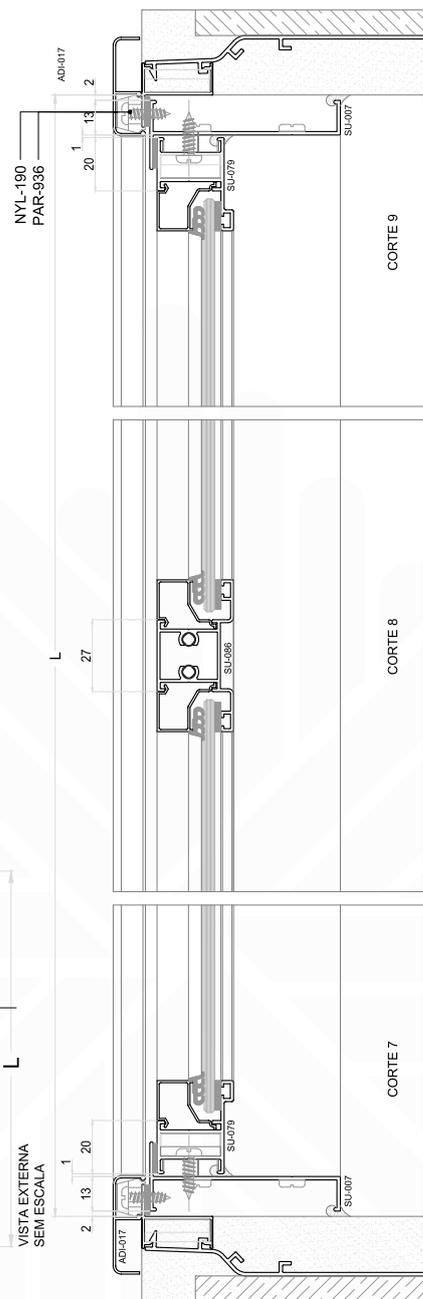
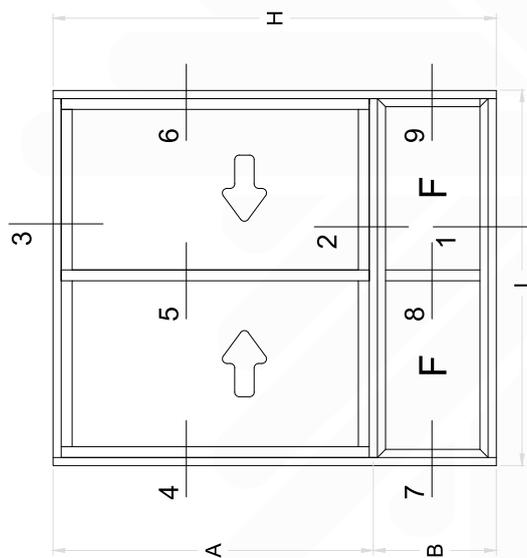


LADO EXTERNO



JANELA DE CORRER
2 FOLHAS COM PEITORIL

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.

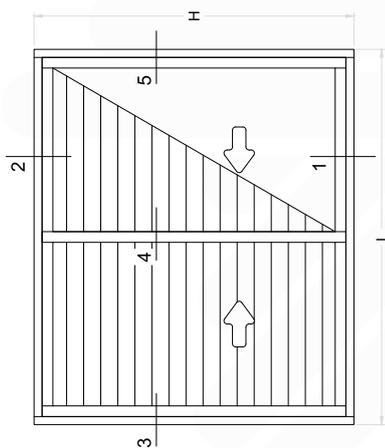


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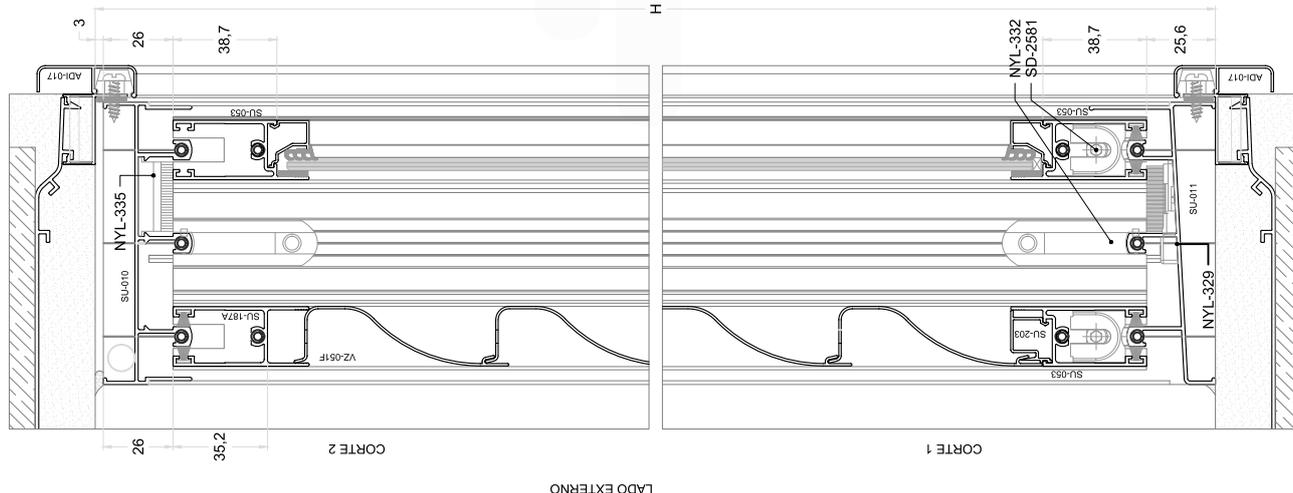
CORTE 5
LADO EXTERNO

JANELA DE CORRER 3 FOLHAS SENDO 2 VENEZIANAS E 1 VIDRO

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.



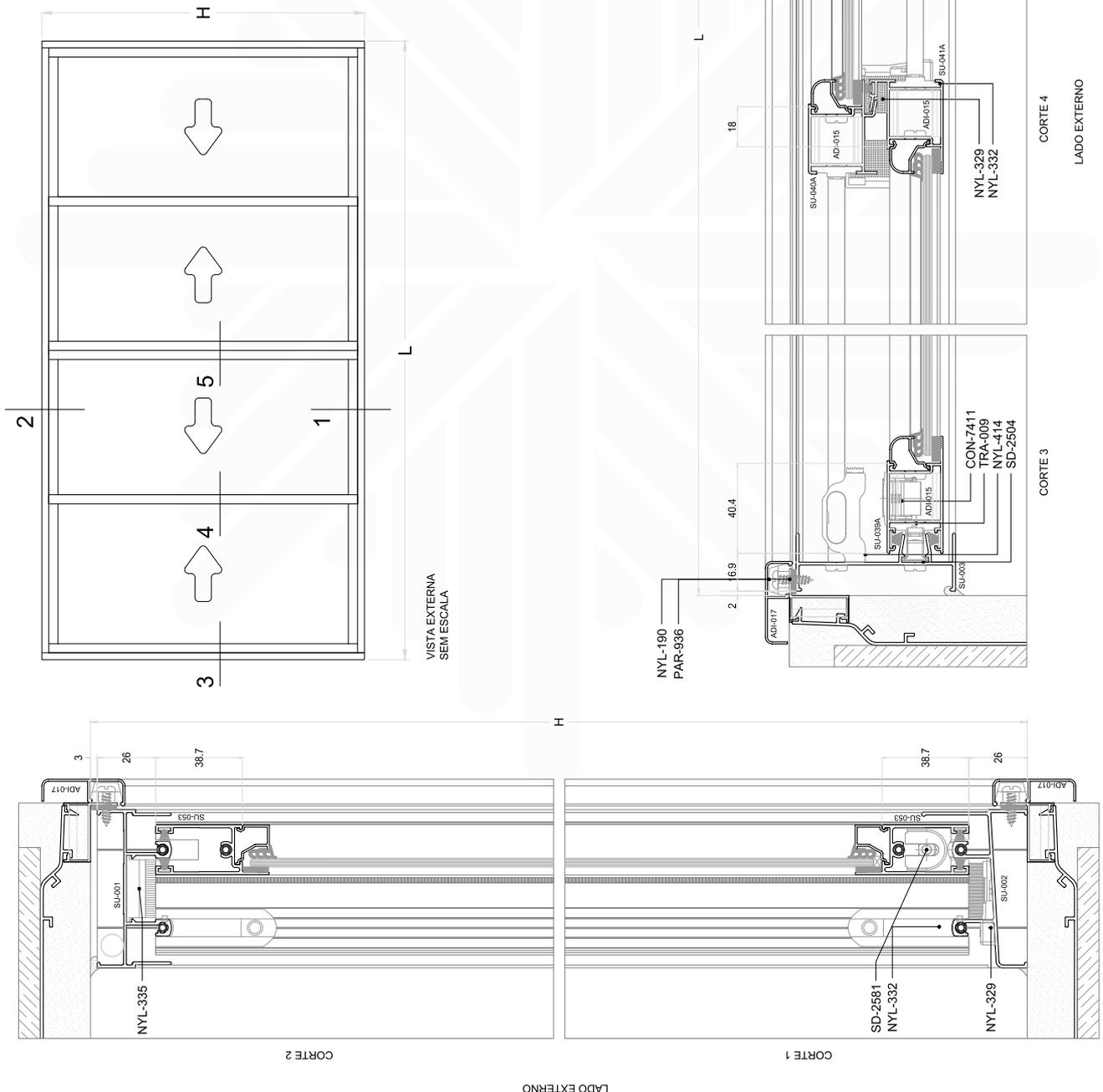
VISTA EXTERNA SEM ESCALA



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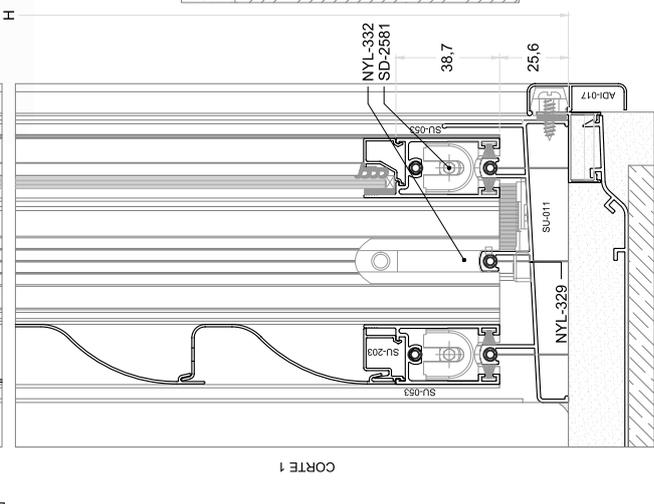
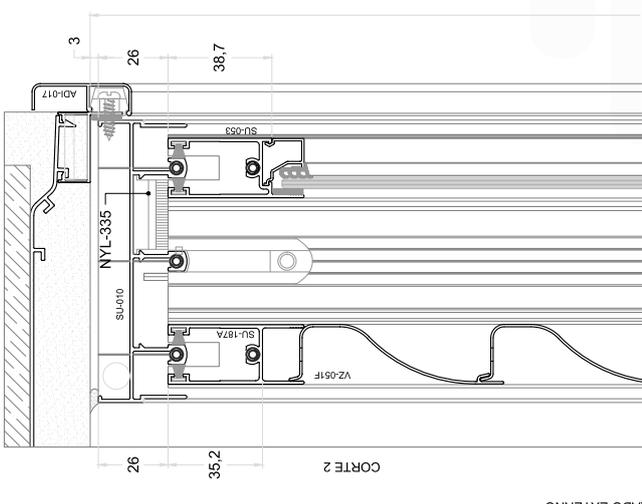
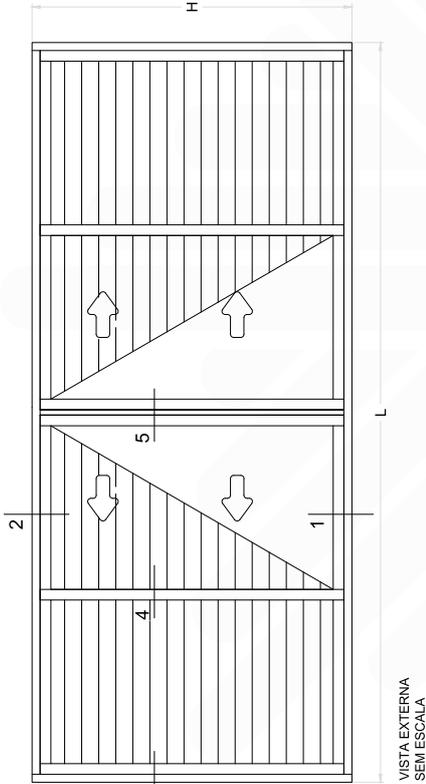
JANELA DE CORRER
4 FOLHAS

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.

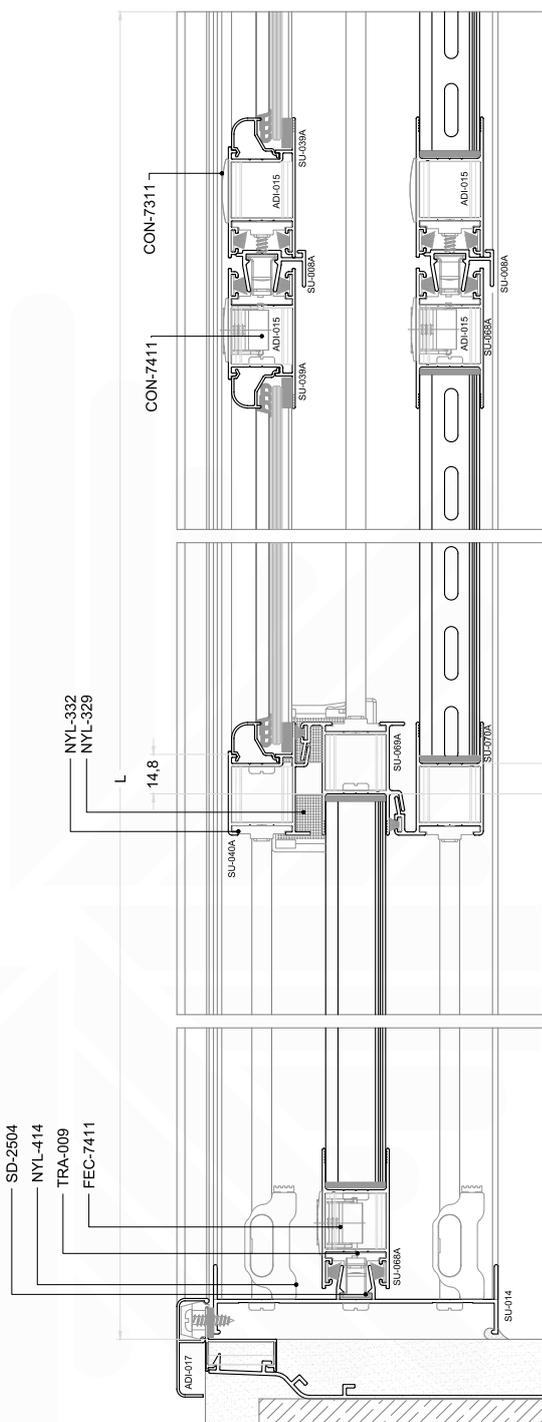


JANELA DE CORRER 6 FOLHAS SENDO 4 VENEZIANAS E 2 VIDRO

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.

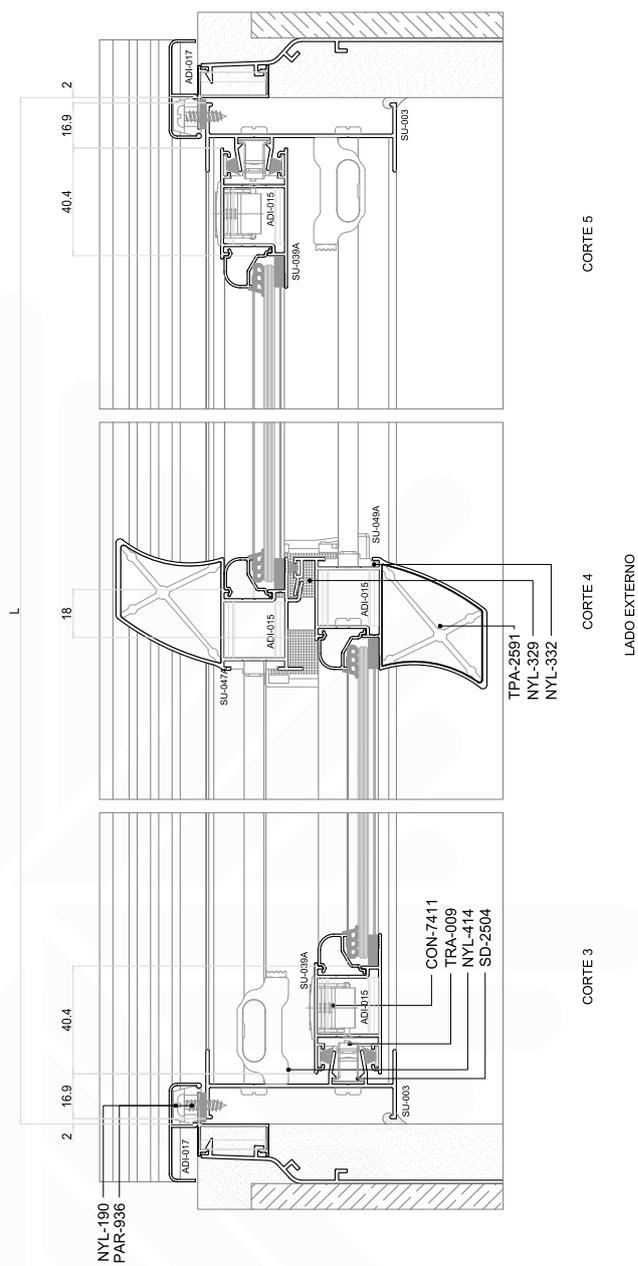
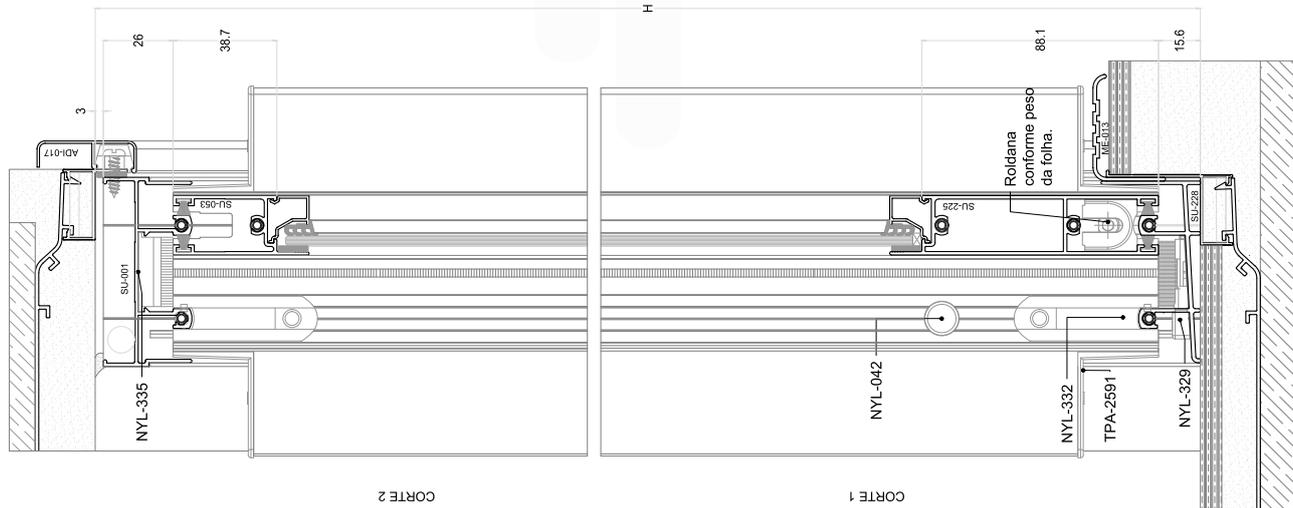
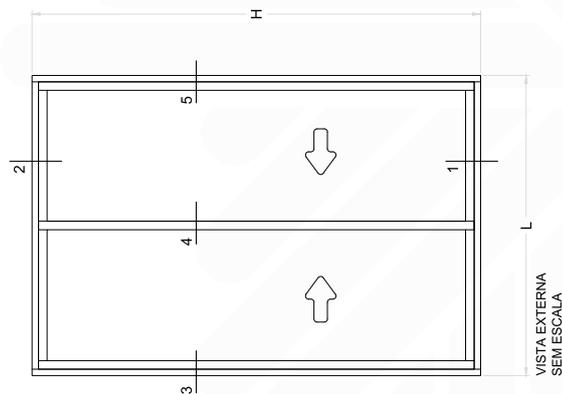


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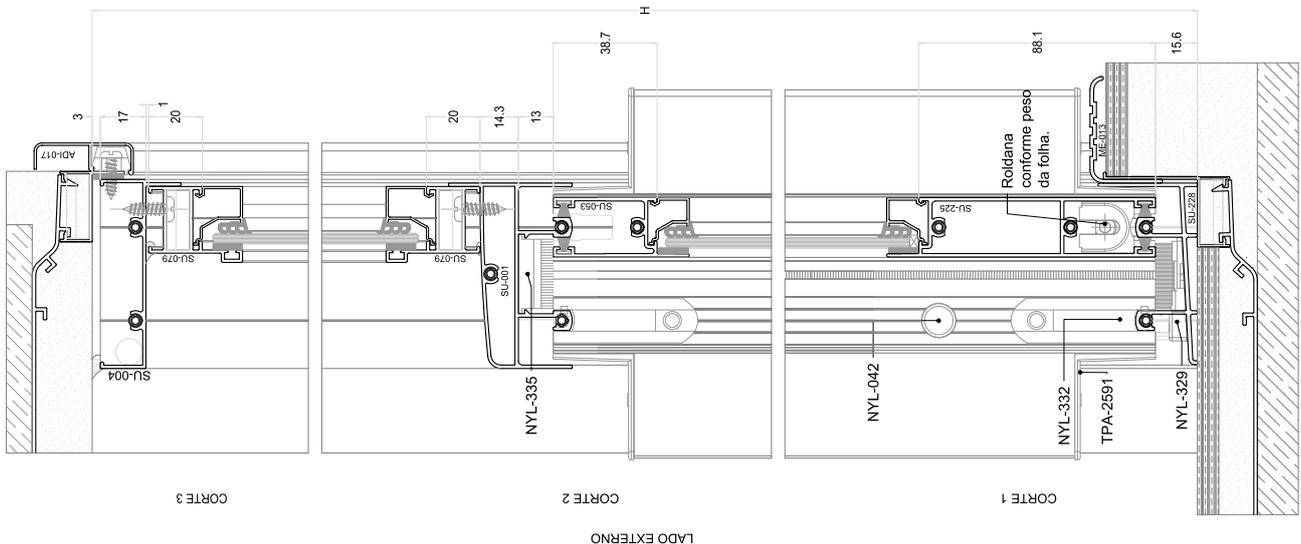
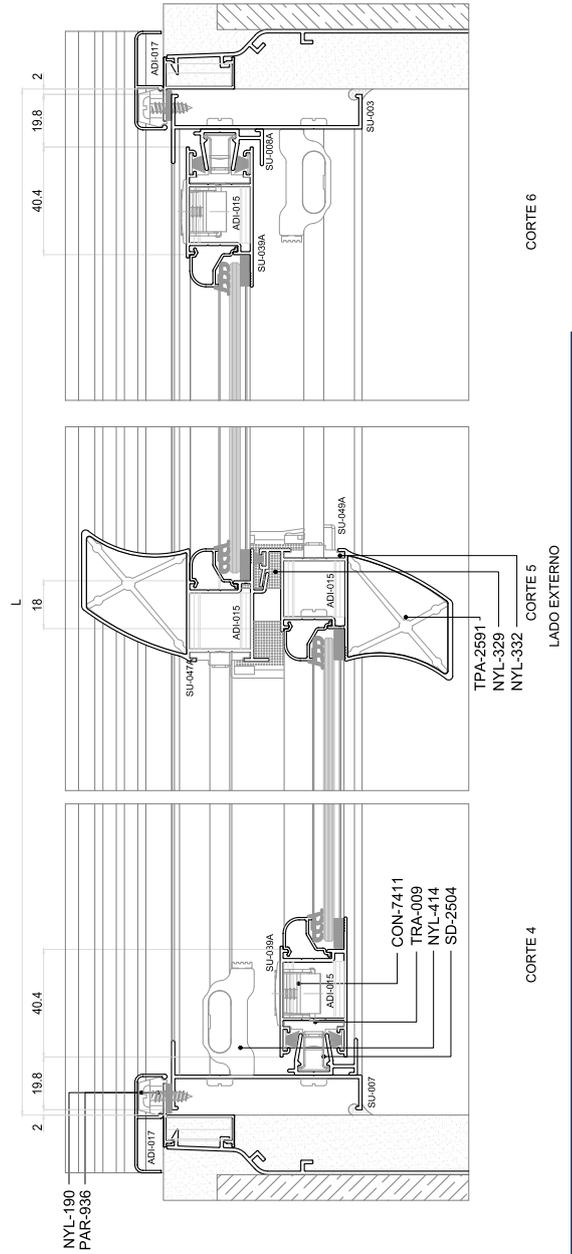
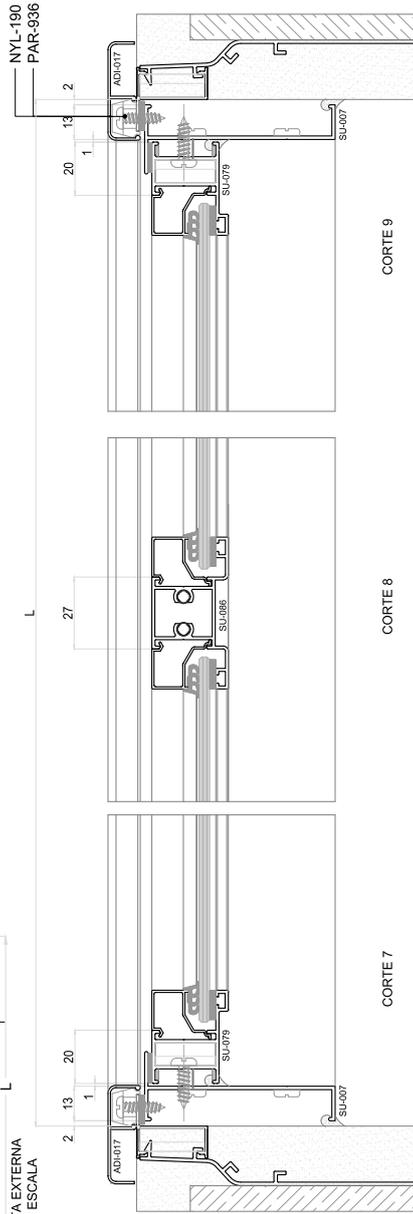
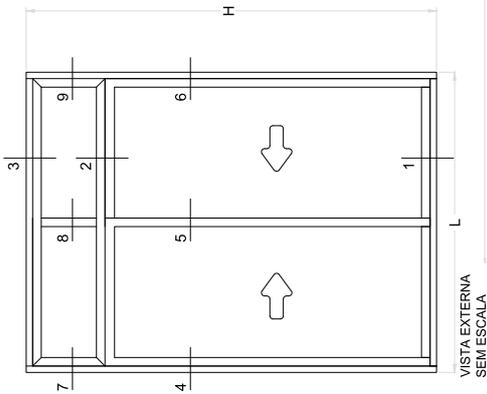
PORTA DE CORRER
2 FOLHAS

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.



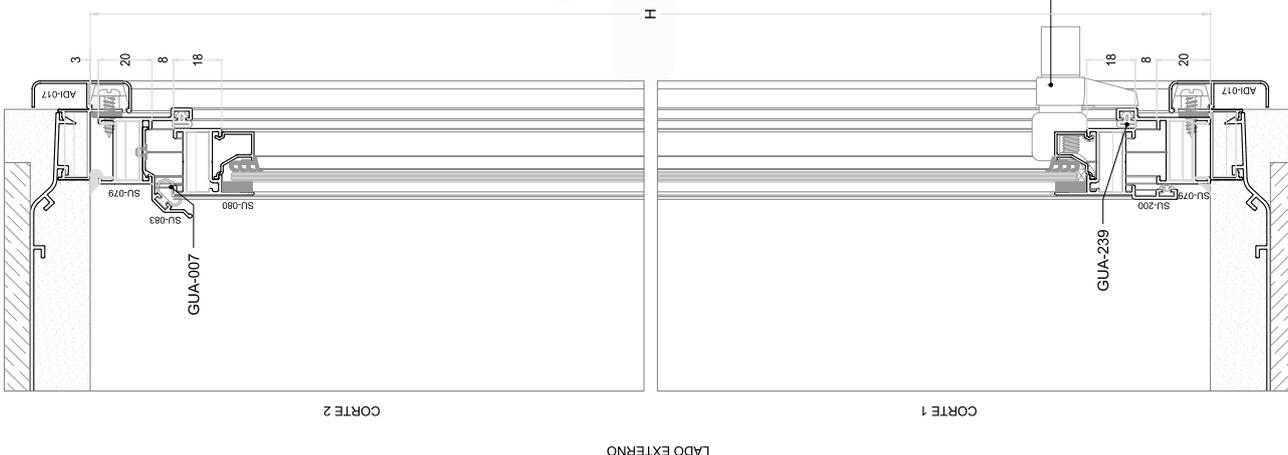
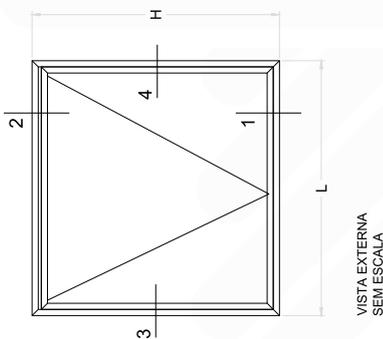
PORTA DE CORRER 2 FOLHAS
COM BANDEIRA FIXA

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.



JANELA MAXIM AR
1 FOLHAS

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.

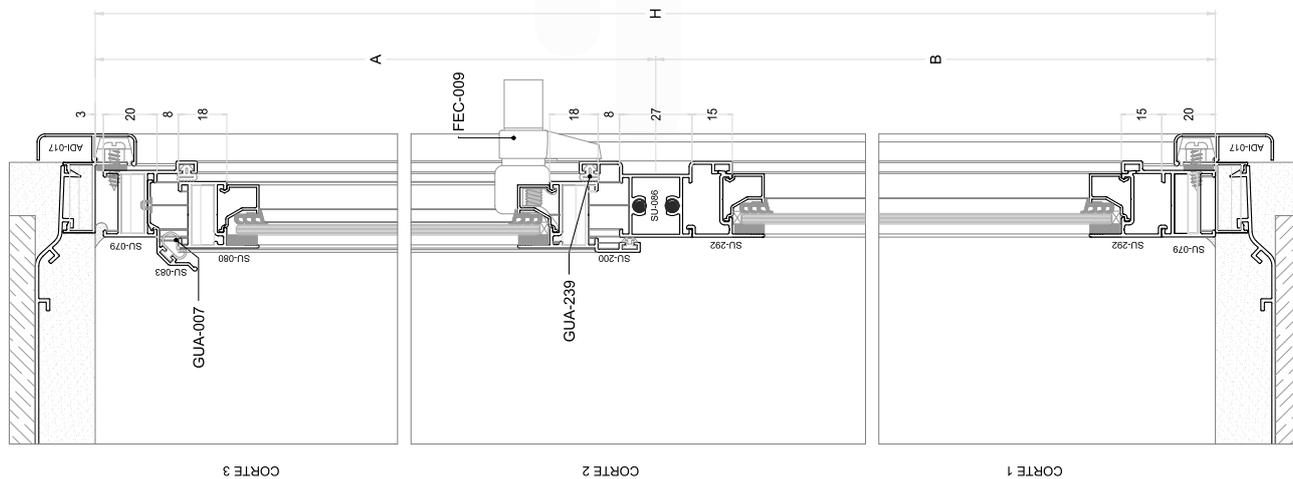
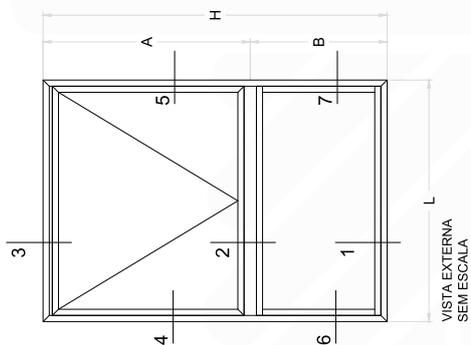


LADO EXTERNO

LADO EXTERNO

**JANELA MAXIM AR 1 MÓDULOS
COM PEITORIL FIXO**

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.

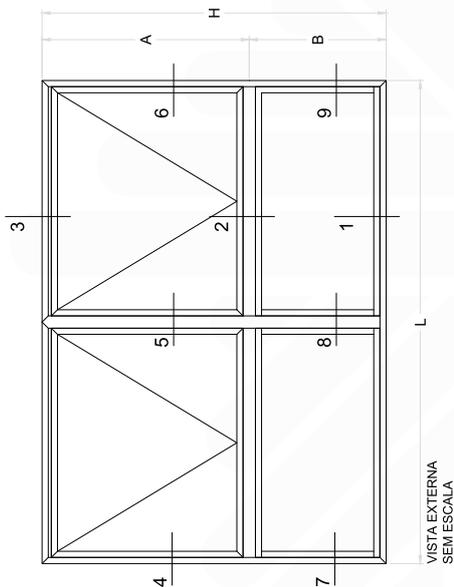


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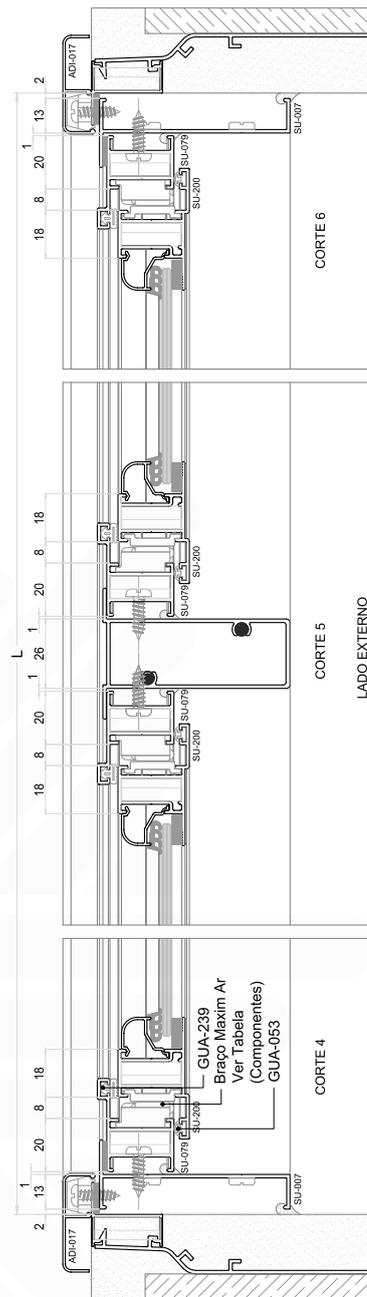
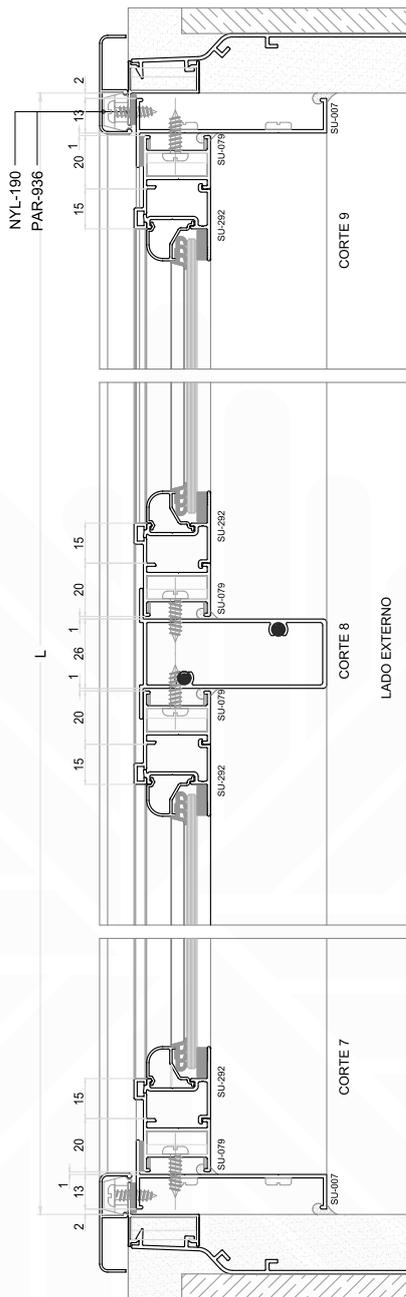
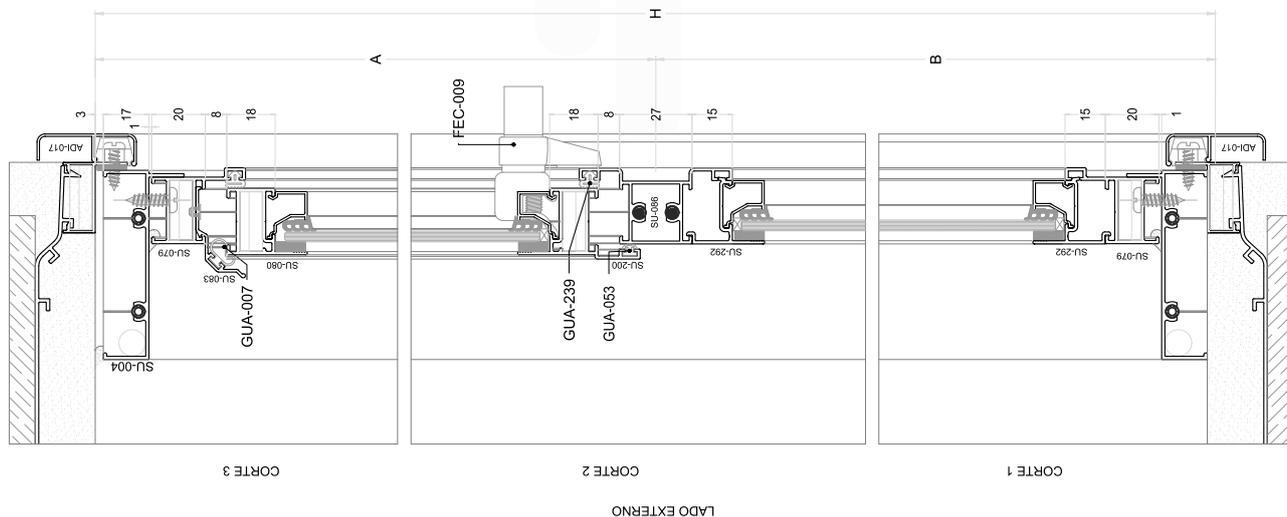
LADO EXTERNO

DETALHES CONSTRUTIVOS

JANELA MAXIM AR 2 MÓDULOS
COM PEITORIL FIXO

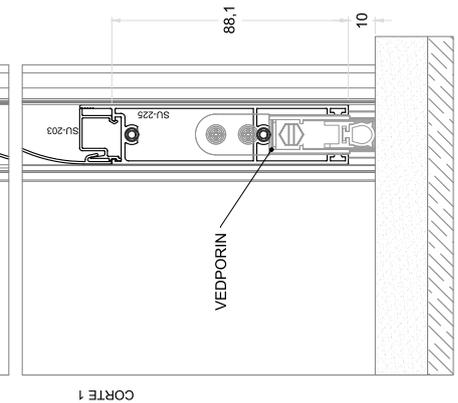
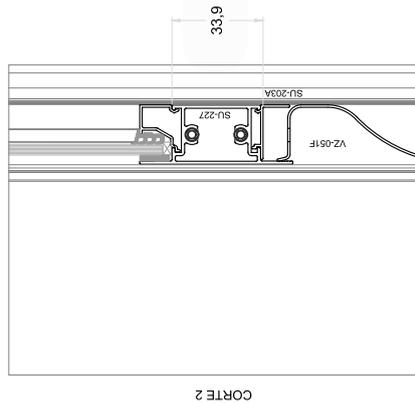
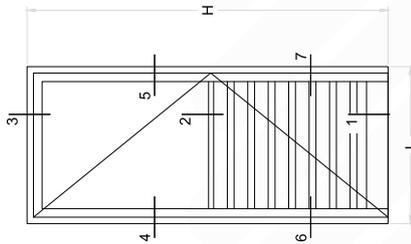


- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.



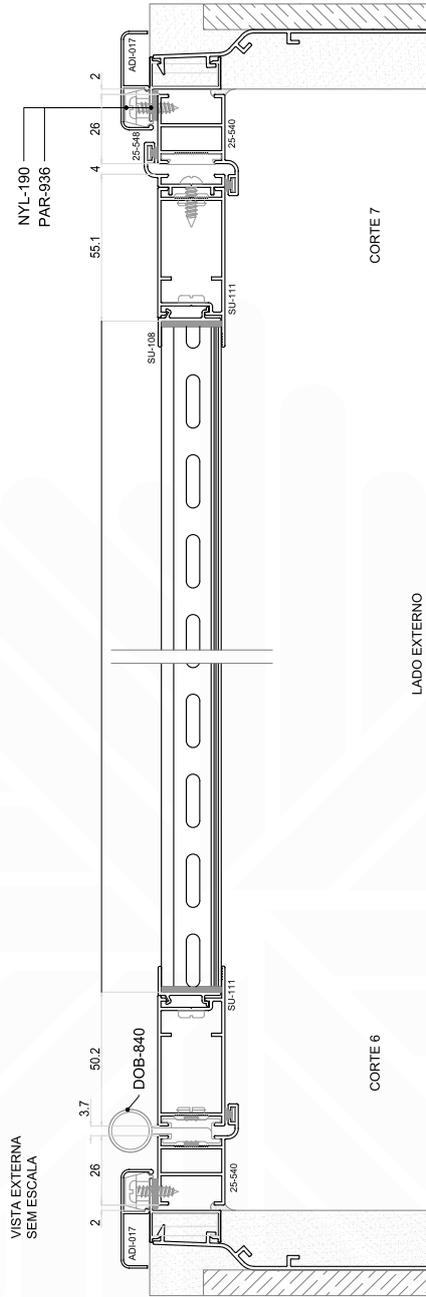
**PORTA DE GIRO 1 FOLHA
VIDRO E VENEZIANA**

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.

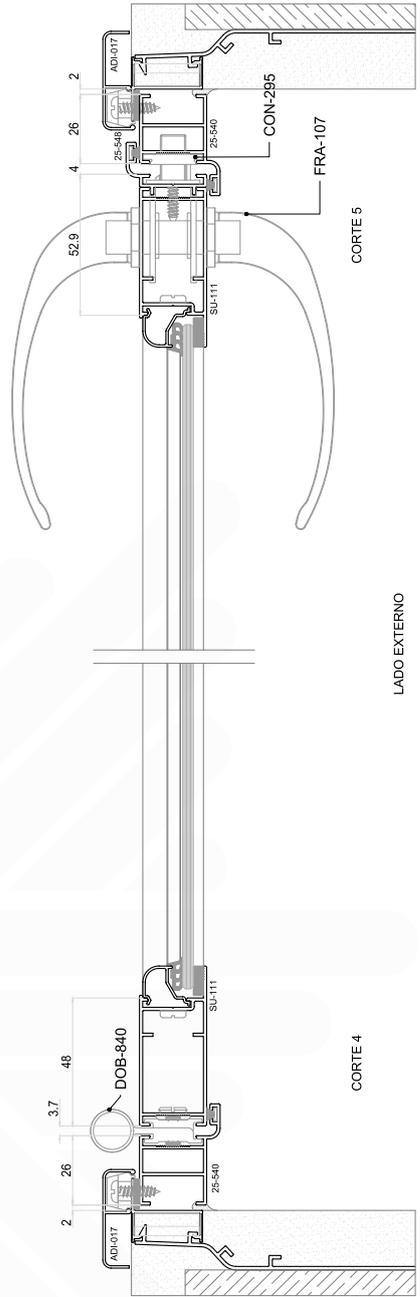


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DETALHES CONSTRUTIVOS



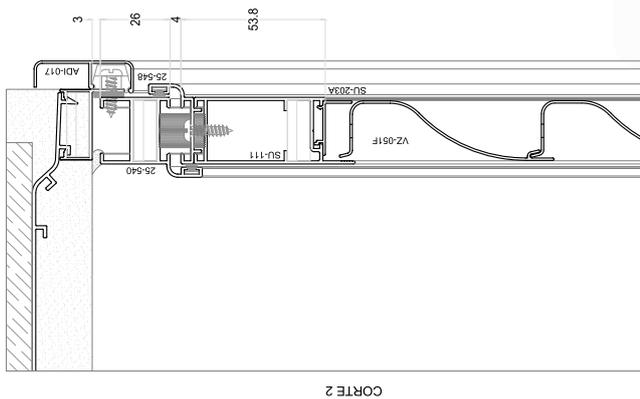
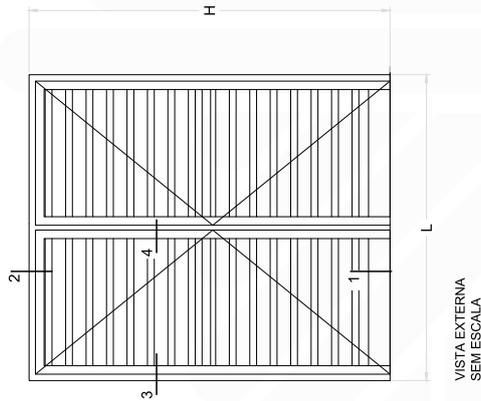
LADO EXTERNO



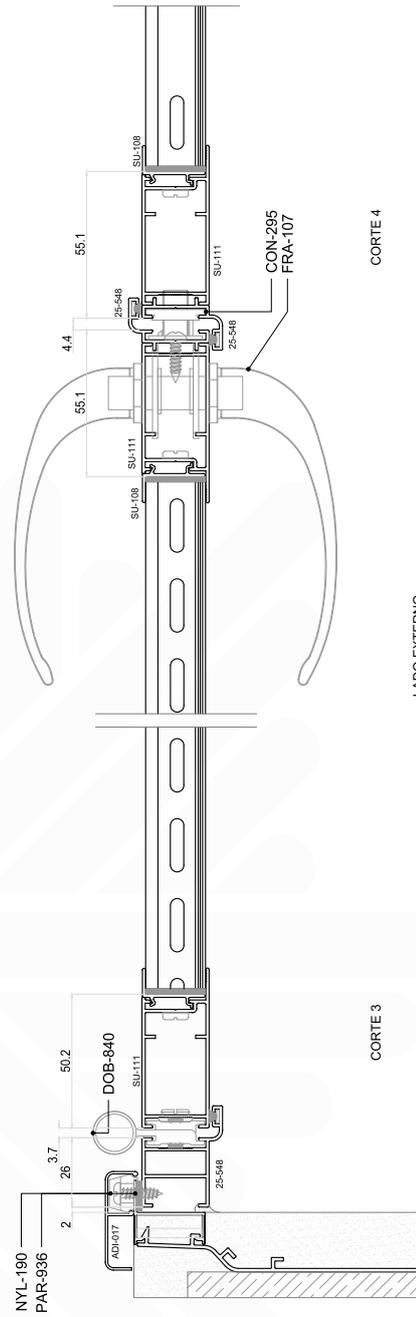
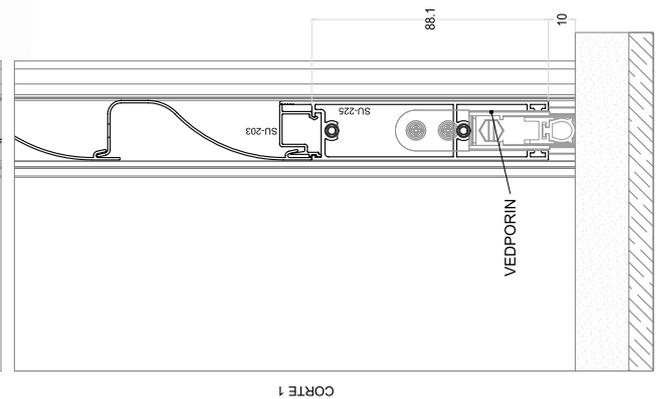
LADO EXTERNO

PORTA DE GIRO
2 FOLHA

- 01 - Todo encontro entre perfis devem ser vedados com silicone neutro.
- 02 - Combinações de Baguetes e EPDM de acordo com tabela na página 81.
- 03- Componentes conforme mapa de Componentes descrito nesse catálogo.



LADO EXTERNO



LADO EXTERNO



Administração

Av. Marechal Deodoro, 335 - 3º andar
Tubarão - SC - 88701-010

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Termas da Guarda - Margem Direita
Tubarão - SC - 88702-803