

POLÍTICA DE QUALIDADE

Trabalhar com QUALIDADE, unindo forças com a participação de todos e superando sempre as expectativas dos clientes.

A ASA ALUMÍNIO se reserva ao direito de efetuar, a qualquer momento e sem prévio aviso, todas as modificações que julgar necessárias.

As dimensões, espessuras e pesos dos perfis indicados neste catálogo são teóricos, podendo variar em função de tolerâncias previstas nas normas ABNT.

O conteúdo deste catálogo é de propriedade da ASA ALUMÍNIO, e não pode ser copiado em parte ou na sua totalidade sem prévia aprovação.

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O Sistema MEGA é composto por três Linhas personificadas que atendem todos os níveis de exigência.

Conseqüentemente, são três bitolas distintas, com a propriedade de se comunicarem entre si, permitindo, assim, obter-se a mais ampla gama de tipologias.

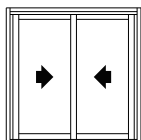
Essa notória versatilidade de composição é uma inovação exclusiva desta família, composta por:



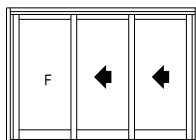
A Linha Mega 25 acompanha o tradicionalíssimo e consagrado padrão 25 mm para atender fechamentos de vãos dos mais diferentes níveis de exigências da arquitetura brasileira.



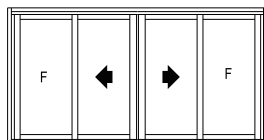
TIPOLOGIAS



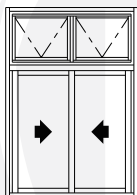
JANELA DE CORRER
2 FOLHAS



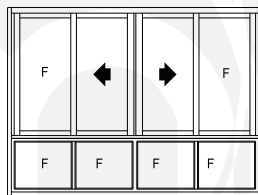
JANELA DE CORRER
3 FOLHAS



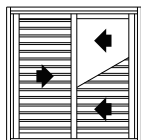
JANELA DE CORRER
4 FOLHAS



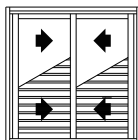
JANELA DE CORRER
2 FOLHAS
COM BANDEIRA MÓVEL



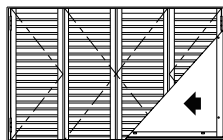
JANELA DE CORRER
4 FOLHAS
COM PEITORIL FIXO



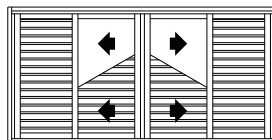
JANELA DE CORRER
3 FOLHAS
COM VENEZIANA



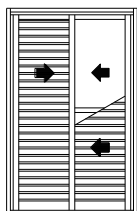
JANELA DE CORRER
4 FOLHAS
COM VENEZIANA



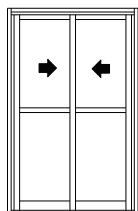
JANELA CAMARÃO



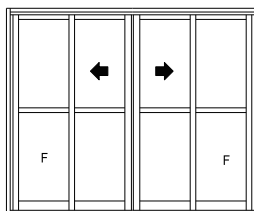
JANELA DE CORRER
6 FOLHAS
COM VENEZIANA



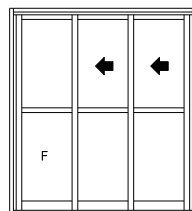
PORTA DE CORRER
3 FOLHAS
COM VENEZIANA



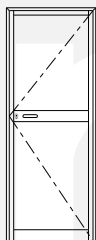
PORTA DE CORRER
2 FOLHAS



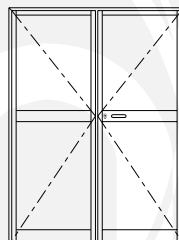
PORTA DE CORRER
4 FOLHAS



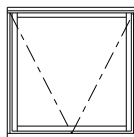
PORTA DE CORRER
3 FOLHAS



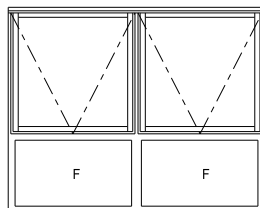
PORTA DE GIRO
1 FOLHA



PORTA DE GIRO
2 FOLHAS



JANELA MAXIM-AR
1 FOLHA



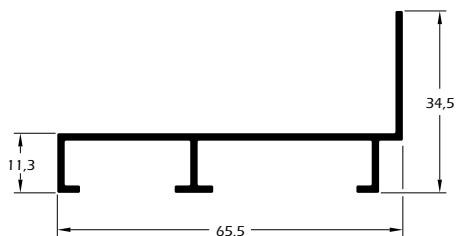
JANELA MAXIM-AR
2 FOLHAS





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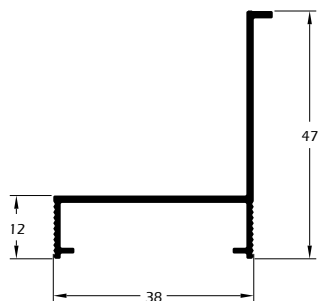
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CA-129

0,493 Kg/m

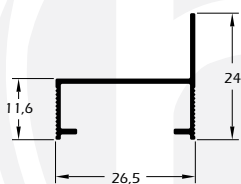
Contramarco



CA-098

0,377 Kg/m

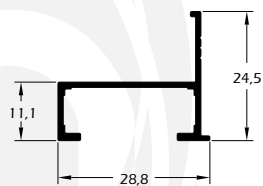
Contramarco



CA-063

0,175 Kg/m

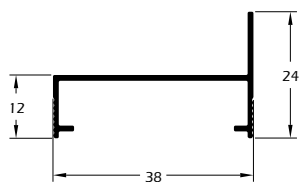
Contramarco



CA-721

0,261 Kg/m

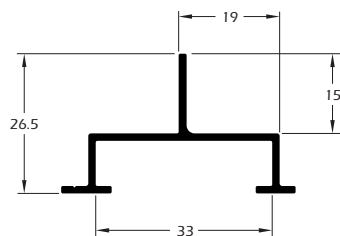
Contramarco



CA-060

0,223 Kg/m

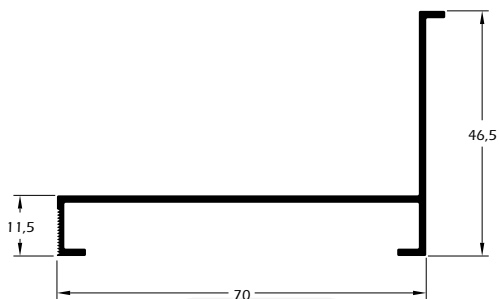
Contramarco



CA-204

0,327 Kg/m

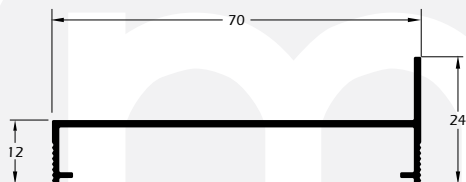
Contramarco



CA-032

0,513 Kg/m

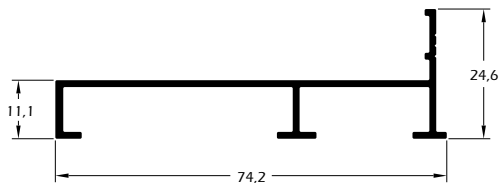
Contramarco



CA-096

0,327 Kg/m

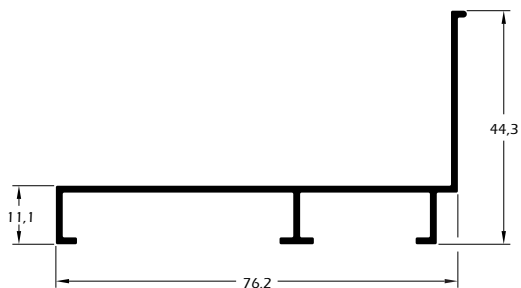
Contramarco



CA-113

0,468 Kg/m

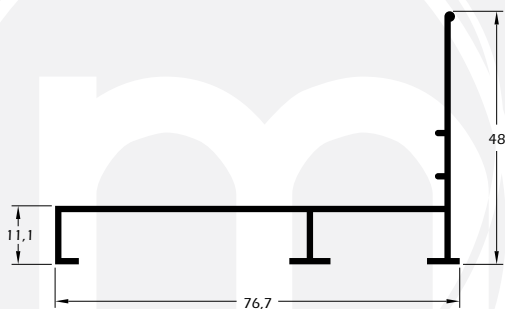
Contramarco



CA-517

0,531 Kg/m

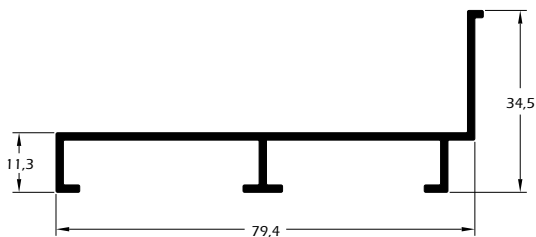
Contramarco



CA-709

0,520 Kg/m

Contramarco



CA-028

0,554 Kg/m

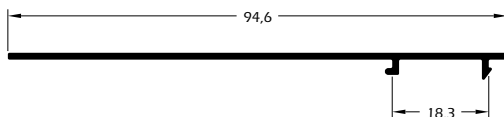
Contramarco



CA-168

0,951 Kg/m

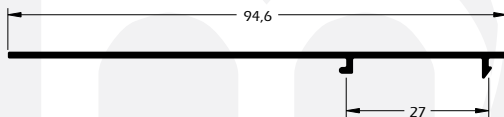
Contramarco



CA-207

0,361 Kg/m

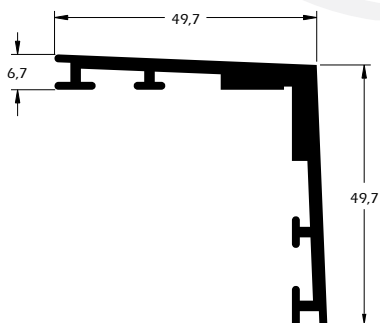
Chumbador para cm-063



CA-209

0,223 Kg/m

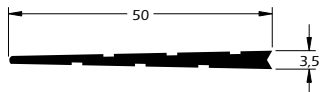
Chumbador para cm-060



CA-006

1,006 Kg/m

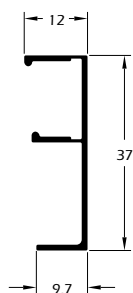
Macho de conexão



CA-011

0,315 Kg/m

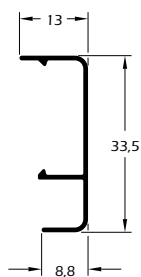
Cunha de conexão



RA-347

0,197 Kg/m

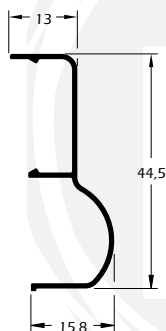
Remate



RA-613

0,162 Kg/m

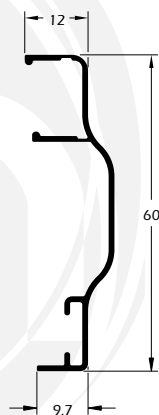
Remate



RA-1009

0,209 Kg/m

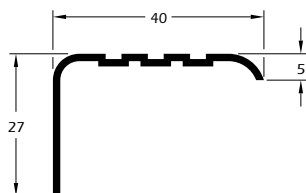
Remate



RA-1175

0,297 Kg/m

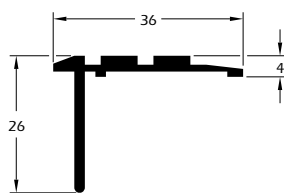
Remate



RA-013

0,268 Kg/m

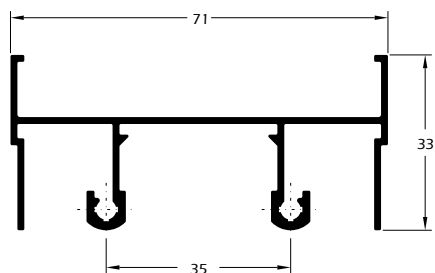
Remate



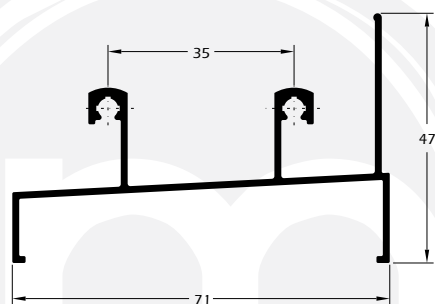
RA-516

0,339 Kg/m

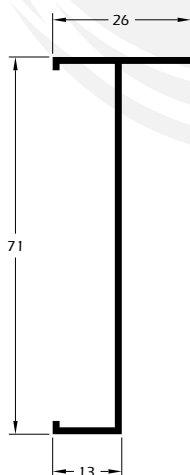
Remate



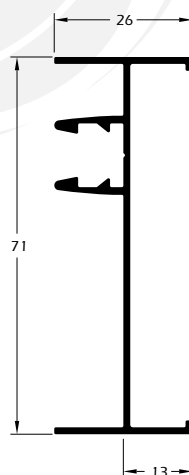
MG25-001 0,773 Kg/m Trilho superior de correr 02 planos



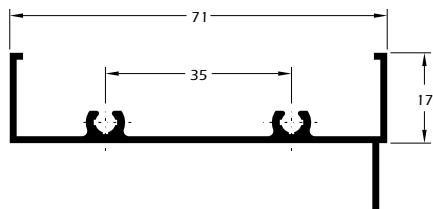
MG25-002 0,711 Kg/m Trilho inferior de correr 02 planos



MG25-007 0,386 Kg/m Marco lateral liso de correr 2 planos



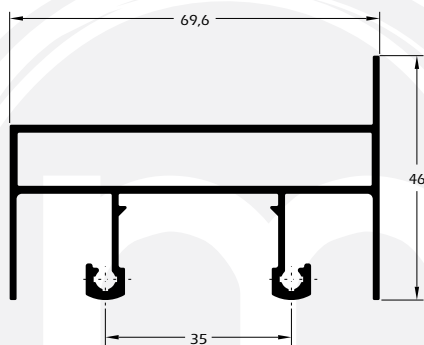
MG25-791 0,561 Kg/m Marco lateral correr 02 planos



MG25-004

0,526 Kg/m

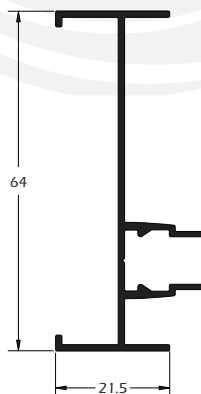
Marco superior e inferior



MG25-005

1,106 kg/m

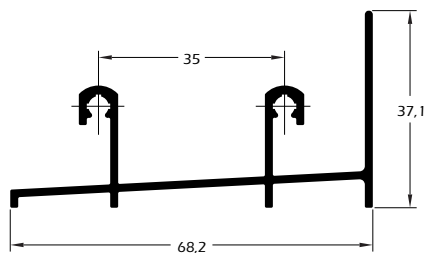
Trilho intermediário superior



MG25-003

0,537 kg/m

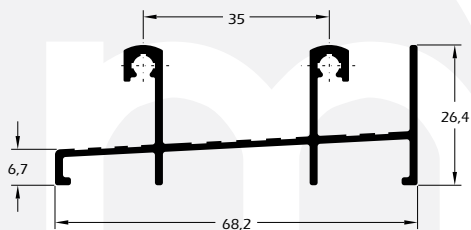
Marco lateral de correr 02 planos
com contra fecho



MG25-228

0,791 Kg/m

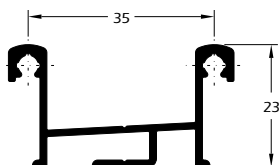
Trilho inferior correr
porta 02 planos



MG25-578

0,707 Kg/m

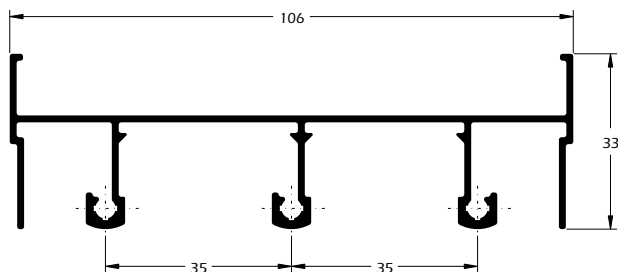
Trilho inferior correr
porta 02 planos



MG25-272

0,430 Kg/m

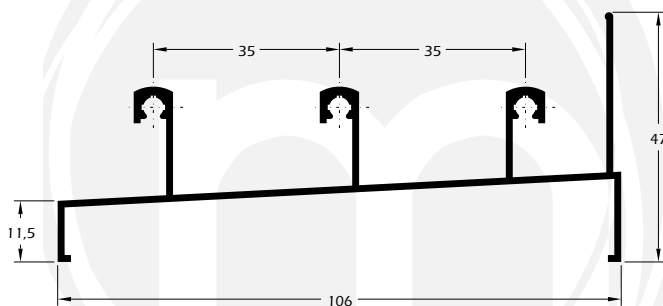
Trilho inferior porta correr 2 planos



MG25-010

1,028 Kg/m

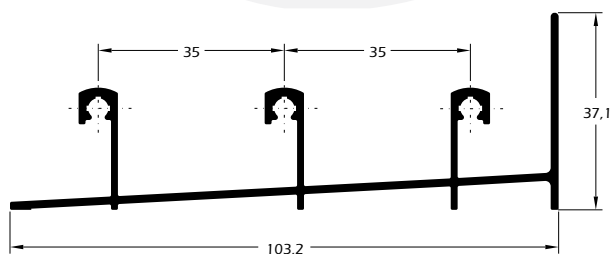
Trilho superior correr
janela 03 planos



MG25-011

0,960 Kg/m

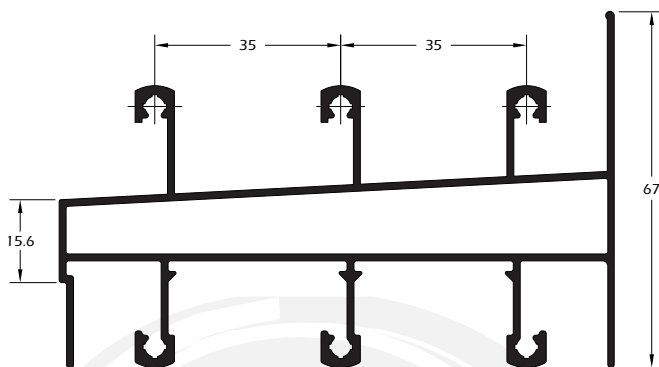
Trilho inferior correr
janela 03 planos



MG25-230

0,976 Kg/m

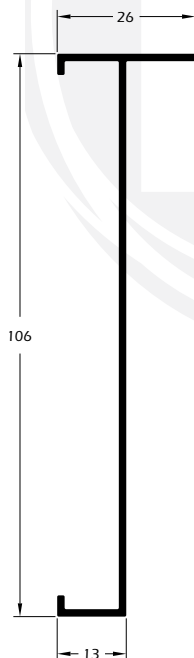
Trilho inferior correr
porta 03 planos



MG25-520

1,856 Kg/m

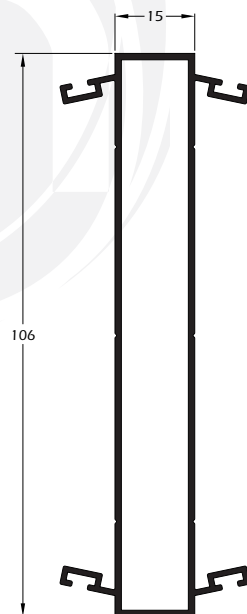
Trilho intermediário
correr 03 planos



MG25-012

0,559 Kg/m

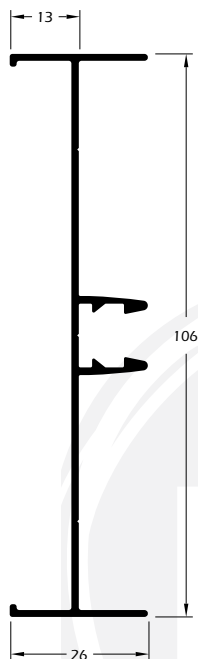
Marco lateral liso
de correr 03 planos



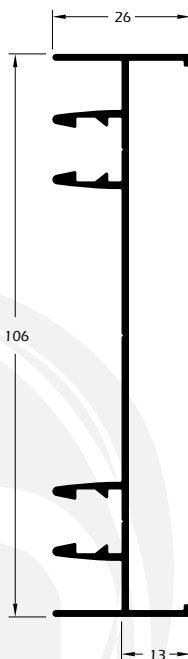
MG25-519

0,963 Kg/m

Coluna telescópica
para marco lateral



MG25-792	0,710 Kg/m	Marco lateral de correr 03 planos
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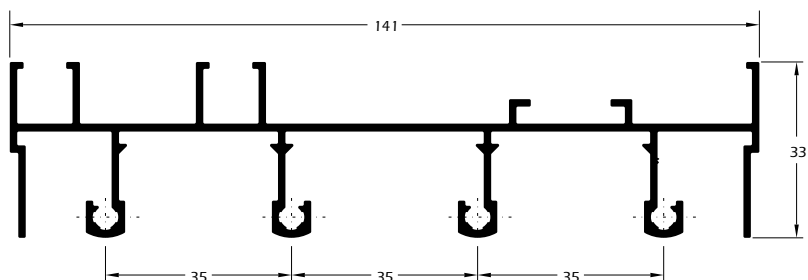
MG25-793	0,840 Kg/m	Marco lateral de correr 03 planos
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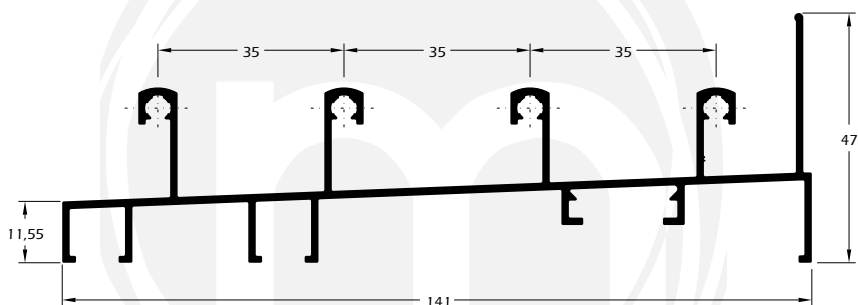
MG25-507	0,383 Kg/m	Mata junta
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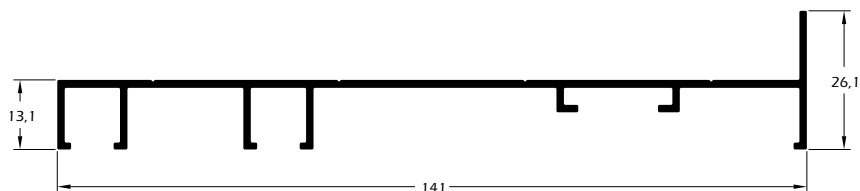
MG25-506	0,303 Kg/m	Mata junta central da folha
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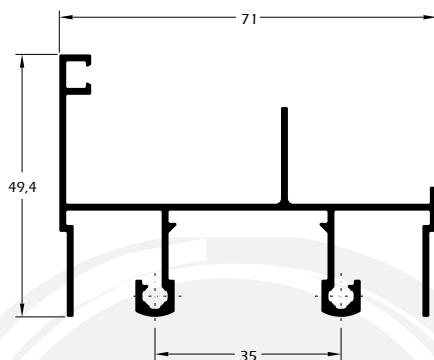
MG25-121 1,585 kg/m Trilho superior de correr 04 planos



MG25-122 1,509 Kg/m Trilho inferior de correr 04 planos



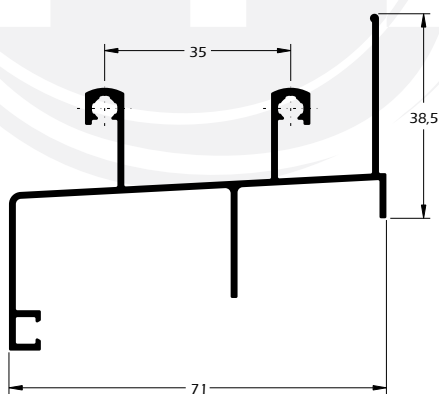
MG25-123 0,917 Kg/m Montante lateral de correr 4 planos



MG25-026

0,855 Kg/m

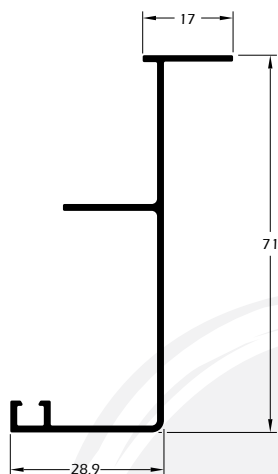
Trilho superior correr 2 planos



MG25-027

0,803 kg/m

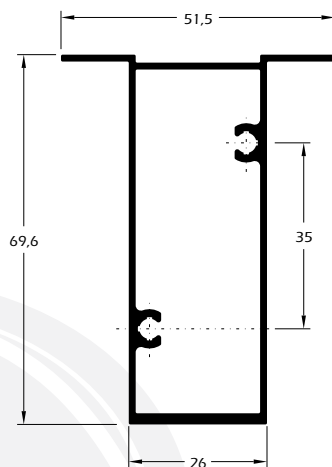
Trilho inferior correr 2 planos



MG25-028

0,487 Kg/m

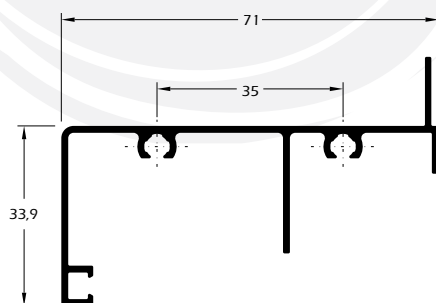
Marco lateral correr 2 planos



MG25-009

0,907 Kg/m

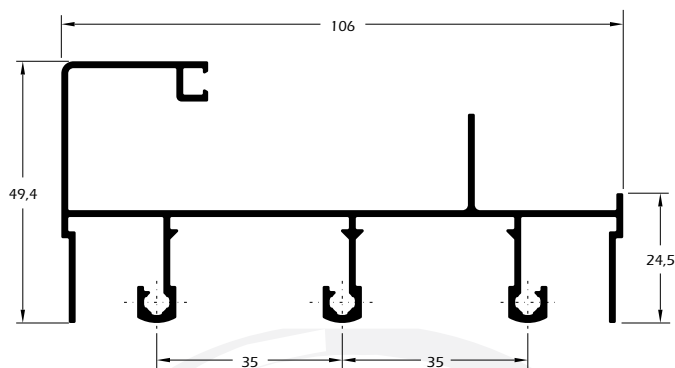
Coluna



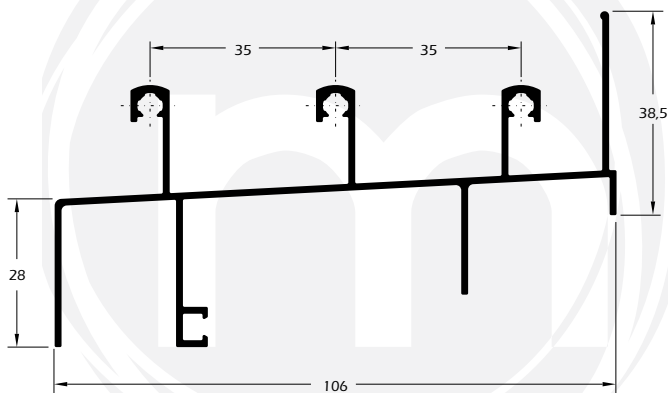
MG25-029

0,630 Kg/m

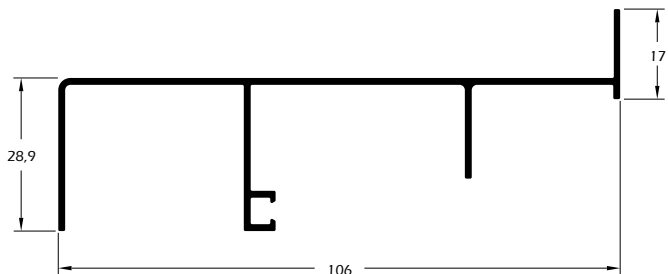
Marco superior e inferior



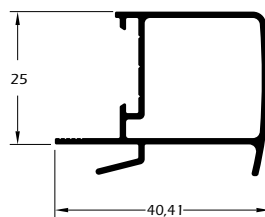
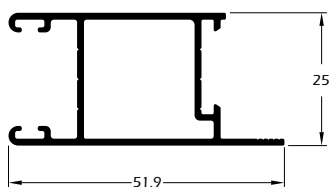
MG25-031 1,200 Kg/m Trilho superior correr 3 planos



MG25-032 1,137 Kg/m Trilho inferior correr 3 planos

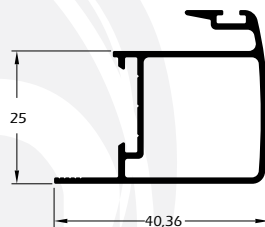
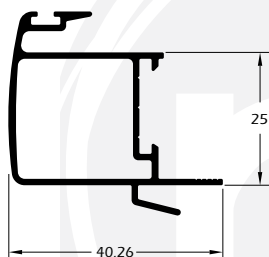


MG25-033 0,703 Kg/m Marco lateral correr 3 planos



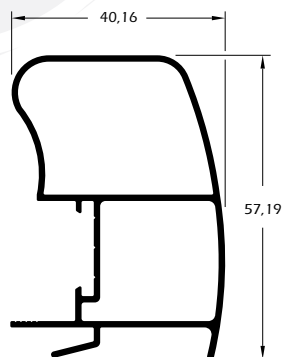
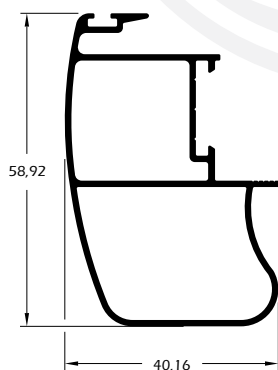
MG25-500 0,542 Kg/m Montante da folha com bagueete

MG25-501 0,458 Kg/m Montante central interno da folha



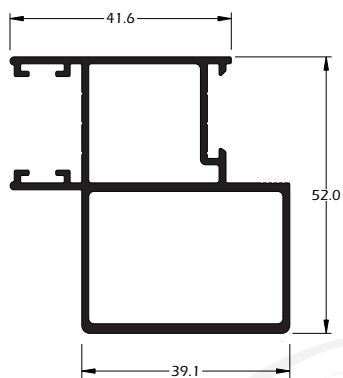
MG25-503 0,523 Kg/m Montante central intermediário da folha

MG25-502 0,490 Kg/m Montante central externo da folha

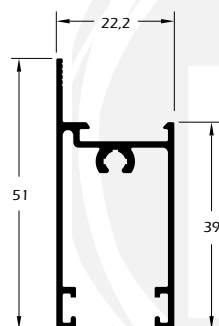


MG25-505 0,745 Kg/m Montante bi-tubular central externo

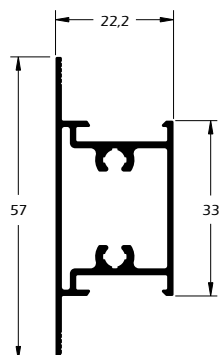
MG25-504 0,757 Kg/m Montante bi-tubular central interno



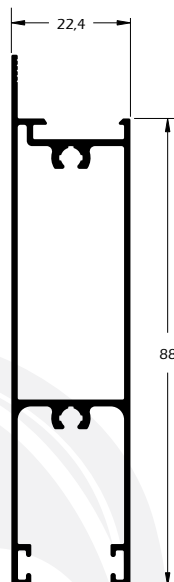
MG25-044 0,997 Kg/m Montante lateral / central da folha



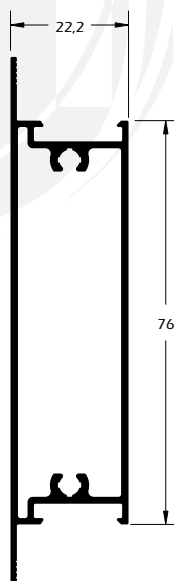
MG25-053 0,542 Kg/m Travessa da folha



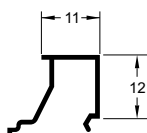
MG25-227 0,574 Kg/m Travessa intermediária da folha



MG25-225 0,926 Kg/m Montante inferior da porta



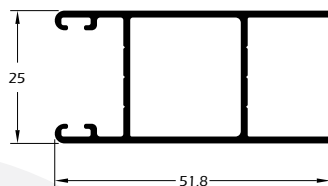
MG25-050 0,926 Kg/m Travessa intermediária da folha



MG25-1230

0,110 Kg/m

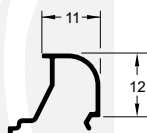
Baguete



MG25-784

0,555 Kg/m

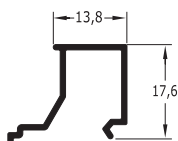
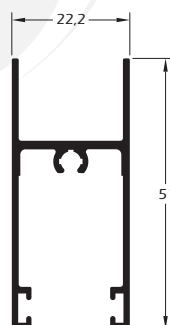
Montante da folha veneziana



AF-018

0,104 Kg/m

Baguete



MG25-103

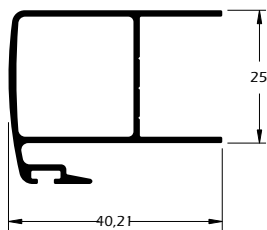
0,156 Kg/m

Baguete para fixo

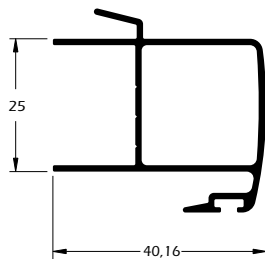
MG25-187

0,534 Kg/m

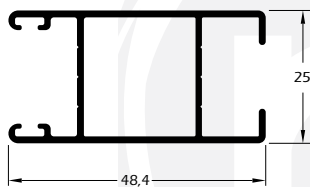
Travessa da folha para palheta



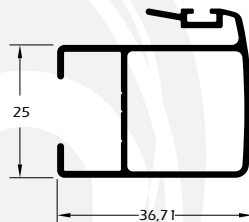
MG25-785 0,500 Kg/m Montante central veneziana



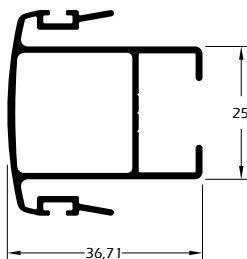
MG25-786 0,535 Kg/m Montante intermediário veneziana



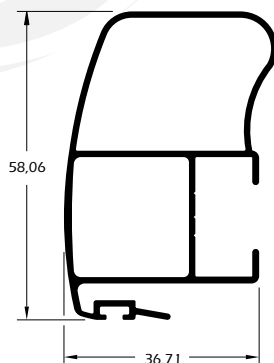
MG25-783 0,565 Kg/m Montante da folha sem baguete



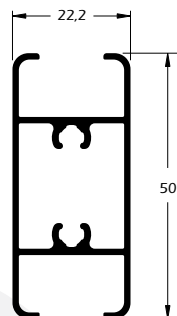
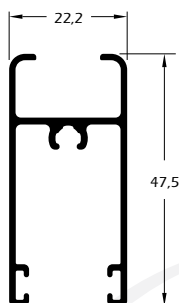
MG25-787 0,513 Kg/m Montante central sem baguete



MG25-788 0,599 Kg/m Montante central intermediário sem baguete



MG25-789 0,774 Kg/m Montante central com reforço sem baguete



MG25-186

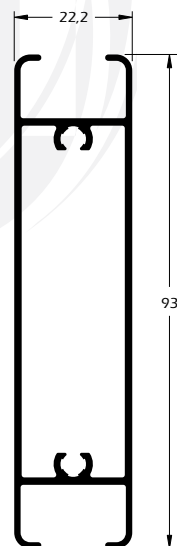
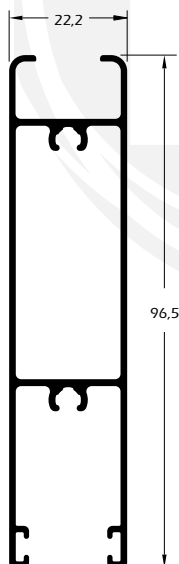
0,496 Kg/m

Travessa da folha

MG25-188

0,586 Kg/m

Travessa intermediária da folha



MG25-266

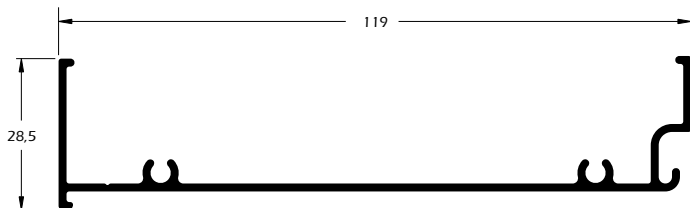
0,945 Kg/m

Travessa inferior da folha

MG25-790

0,871 Kg/m

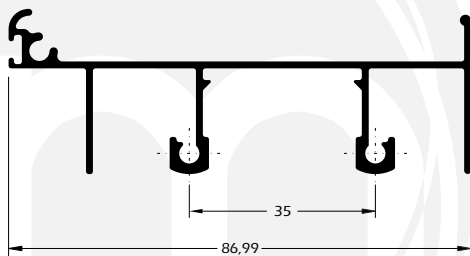
Travessa intermediária da folha



MG25-508

0,510 Kg/m

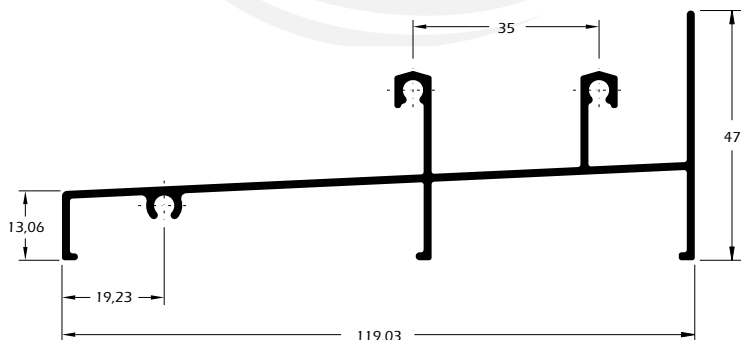
Marco superior integrada



MG25-509

0,843 Kg/m

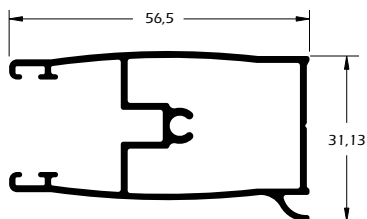
Marco intermediário integrada



MG25-510

1,085 Kg/m

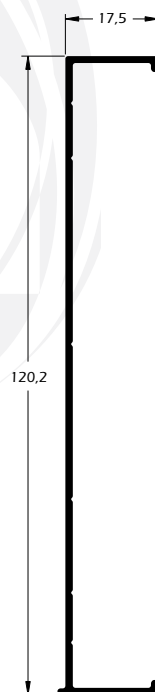
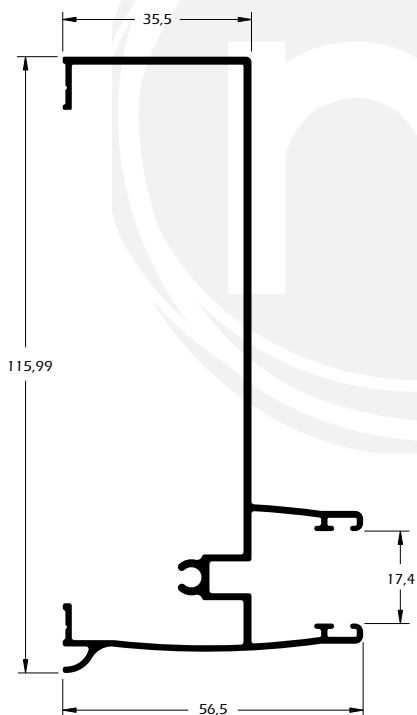
Trilho inferior integrada



MG25-514

0,741 Kg/m

Complemento lateral persiana



MG25-513

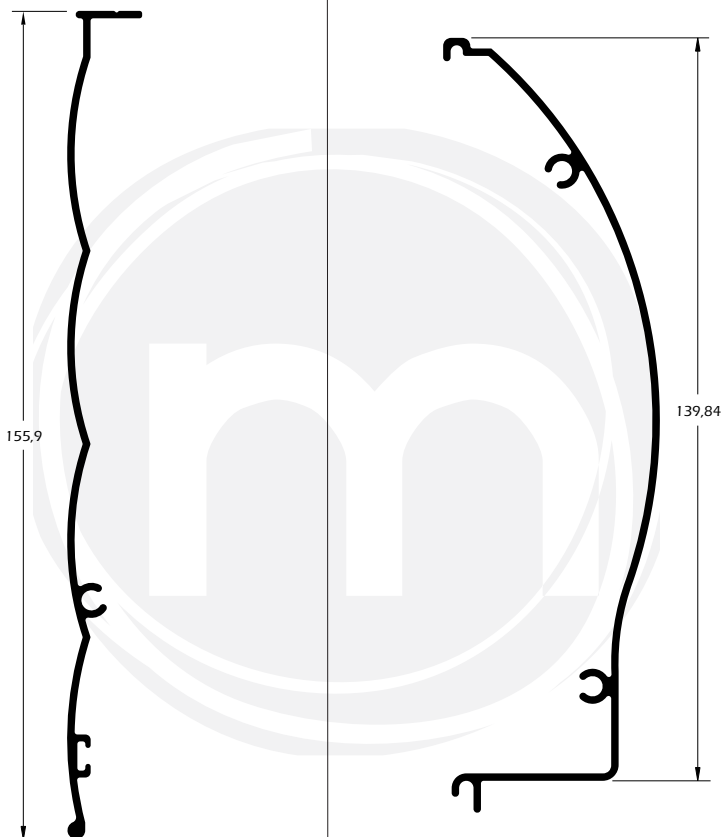
1,075 Kg/m

Complemento lateral persiana

MG25-511

0,578 Kg/m

Marco lateral integrada



MG25-516

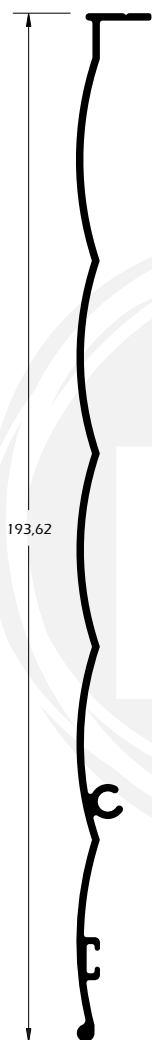
0,724 Kg/m

Tampa externa janela integrada

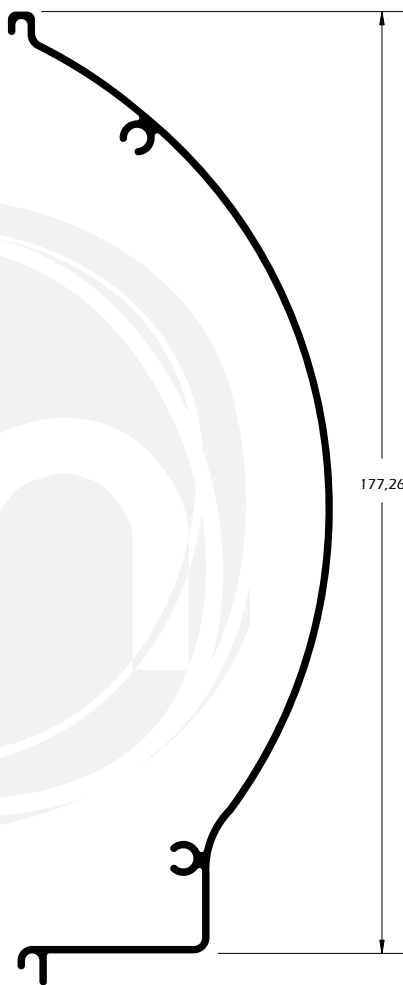
MG25-515

0,857 Kg/m

Tampa interna janela integrada



193,62



177,26

MG25-518

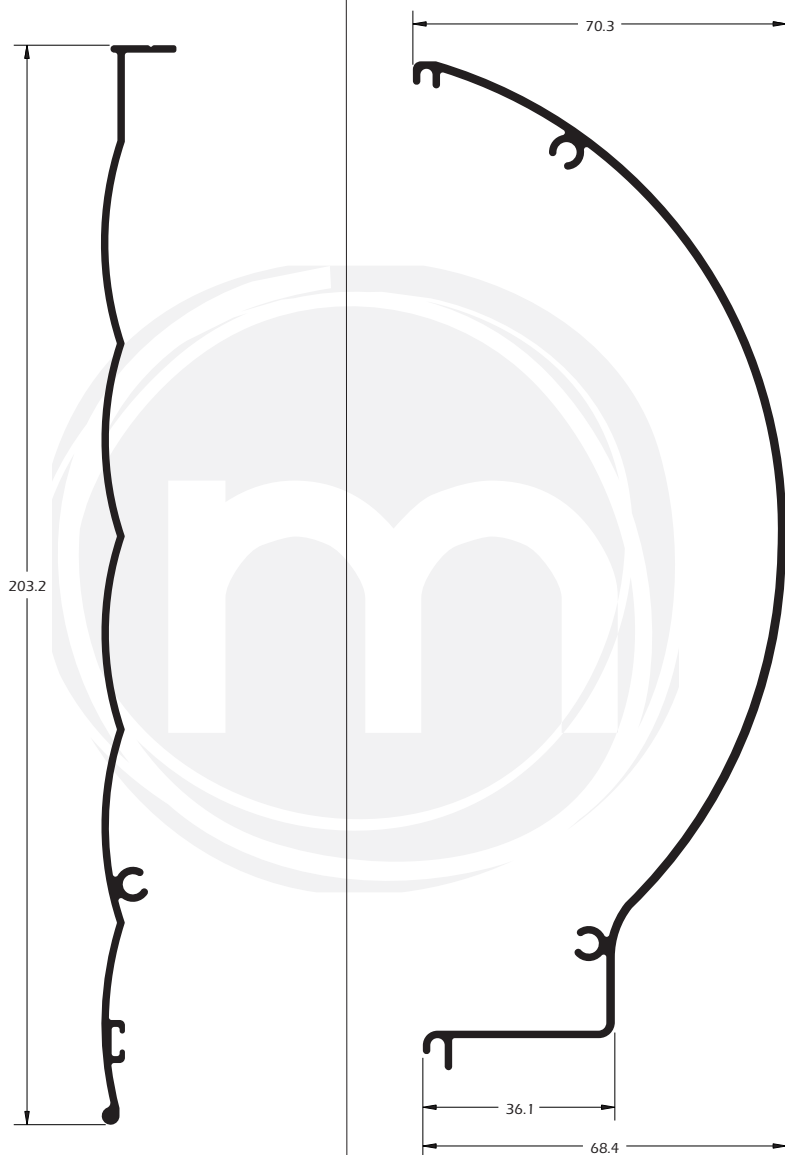
0,885 Kg/m

Tampa externa porta integrada

MG25-517

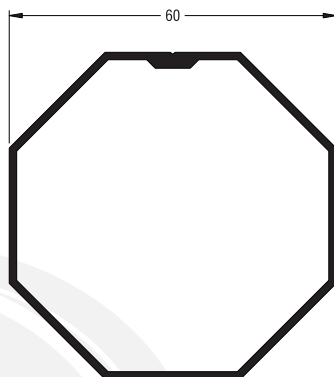
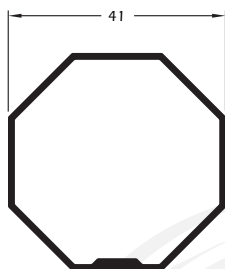
1,052 Kg/m

Tampa interna porta integrada



MG32-109 0,922 Kg/m Tampa externa janela integrada

MG32-110 1,274 Kg/m Tampa interna janela integrada



MG32-063

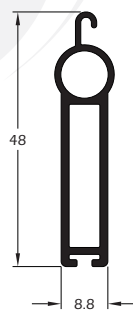
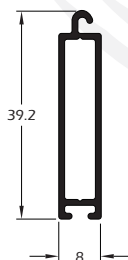
0,489 Kg/m

Tubo octogonal de 40 mm

MG32-032

0,792 Kg/m

Tubo octogonal de 60 mm



MG32-062

0,270 Kg/m

Lamina contra-peso de 39,2 mm

MG32-046

0,430 Kg/m

Lamina contra-peso de 48 mm



VA-012

0,255 Kg/m

Palheta veneziana 12 mm



VA-012F

0,255 Kg/m

Palheta veneziana 12 mm usinada



VA-017

0,274 Kg/m

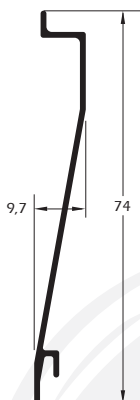
Palheta veneziana 17 mm



VA-017F

0,274 Kg/m

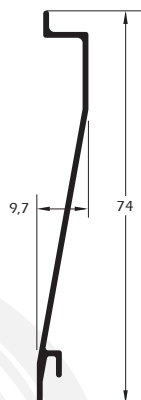
Palheta veneziana 17 mm usinada



VA-024

0,271 Kg/m

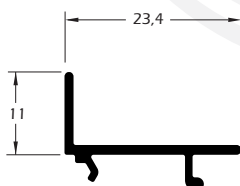
Palheta veneziana 9,7 mm



VA-024F

0,271 Kg/m

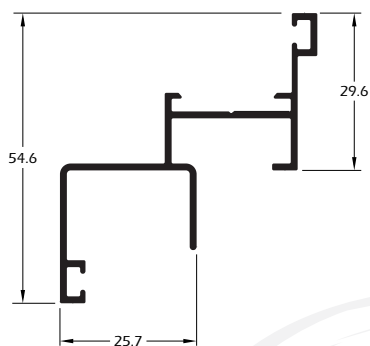
Palheta veneziana 9,7 mm usinada



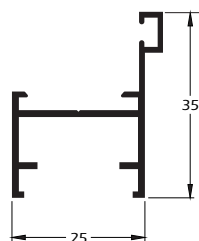
MG25-108

0,142 Kg/m

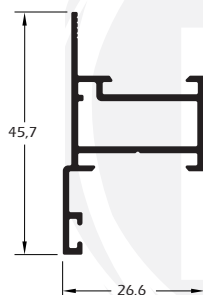
Baquete porta palheta



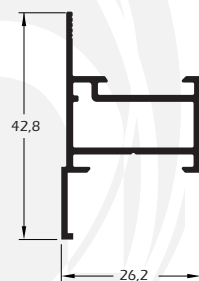
MG25-030 0,541 Kg/m Marco perimetral maxim-ar



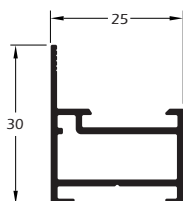
MG25-079 0,333 Kg/m Marco perimetral maxim-ar



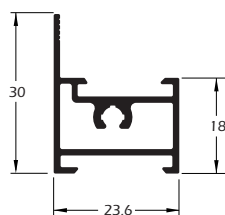
MG25-200 0,440 Kg/m Montante com escova maxim-ar



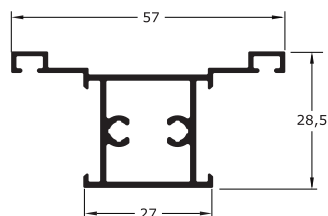
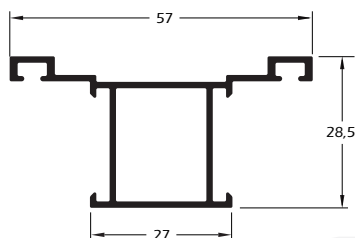
MG25-081 0,420 Kg/m Montante sem escova maxim-ar



MG25-080 0,362 Kg/m Travessa inferior maxim-ar 45°



MG25-082 0,389 Kg/m Travessa inferior maxim-ar 90°



MG25-085

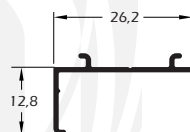
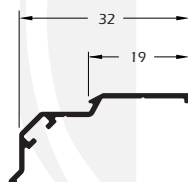
0,506 Kg/m

Travessa vertical
sem olhal maxim-ar

MG25-086

0,589 Kg/m

Travessa vertical
com olhal maxim-ar



MG25-794

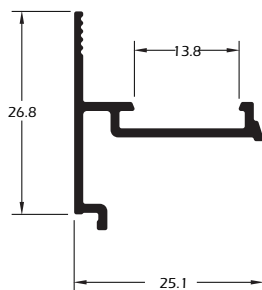
0,144 Kg/m

Pingadeira do marco do maxim-ar

MG25-795

0,124 Kg/m

Pingadeira da folha do maxim-ar



MG25-292

0,214 Kg/m

Reversor de Maxim-ar

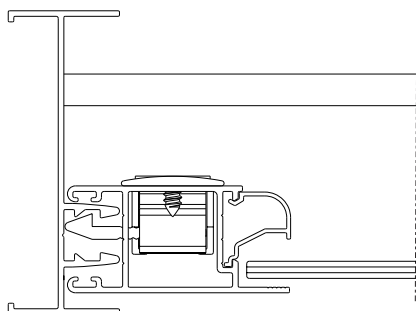




ACESSÓRIOS

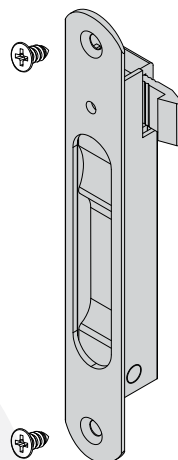
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FEC10360	Fecho automático (fosco)	45	PREO096SPTO	Presilha do arremate	57
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FECH10006BZE	Fecho concha (bronze)	45	REC-120 EB	Recolhedor	55
FECH10006FCO	Fecho concha (fosco)	45	REC-121	Recolhedor	55
FECH10006PTO	Fecho concha (preto)	45	REC-121 EB	Recolhedor	55
FECH1036EB	Fecho automático (branco)	45	REC-122	Recolhedor	55
FITASB05X05BCO	Fita vedadora sem barreira plástica 5x5 mm	59	REC-122 EB	Recolhedor	55
FITASB05X06BCO	Fita vedadora sem barreira plástica 5x6 mm	59	REC-123	Recolhedor	55
FITASB05X08BCO	Fita vedadora sem barreira plástica 5x8mm	59	REC-123 EB	Recolhedor	55
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GUAR00258PTO	Guarnição em epdm (vidro de 5 e 6 mm)	60	ROLD00439BCO	Roldana dupla c/ regulagem (sem regulamento)	47
GUAR00259PTO	Guarnição em epdm (vidro de 6 mm)	60	ROLD00439PTO	Roldana dupla c/ regulagem (sem regulamento)	47
GUAR00283PTO	Guarnição em epdm (vidro de 5 e 6 mm)	60	ROLD00440BCO	Roldana com regulagem (com rolamento)	47
GUAR00284PTO	Guarnição em epdm (vidro de 4 mm)	60	ROLD00440PTO	Roldana com regulagem (com rolamento)	47
GUIA10001BCO	Guia limitadora (branca)	46	TAMP10015BCO	Tampa superior e inferior (branca)	50
GUIA10001PTO	Guia limitadora (preta)	46	TAMP10015PTO	Tampa superior e inferior (preta)	50
GUIA10002BCO	Guia da cinta do recolhedor (branca)	53	TAMP10018BCO	Tampa lateral da porta com persiana (branca)	50
GUIA10002PTO	Guia da cinta do recolhedor (preta)	53	TAMP10018PTO	Tampa lateral da porta com persiana (preta)	50
GUIA10003BCO	Guia central da persiana (branca)	53	TAMPA10014BCO	Tampa lateral da janela c/ persiana (branca)	51
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NYLO00329PTO	Vedação inferior (preta)	48			
NYLO00335BCO	Vedação superior (branca)	48			
NYLO00335PTO	Vedação superior (preta)	48			

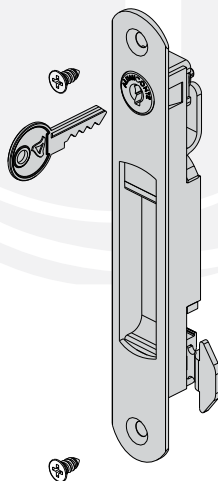
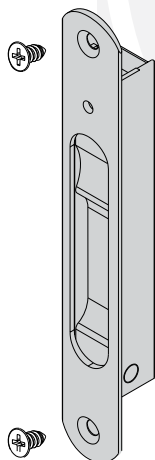


DETALHE DE APLICAÇÃO
sem escala

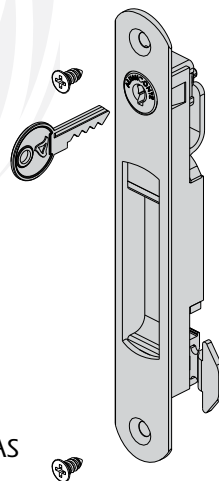
Código	Descrição
FECH10006PTO	Fecho concha (preto)
FECH10006FCO	Fecho concha (fosco)
FECH10006BZE	Fecho concha (bronze)
FECH10006BCO	Fecho concha (branco)



PERSPECTIVA
sem escala



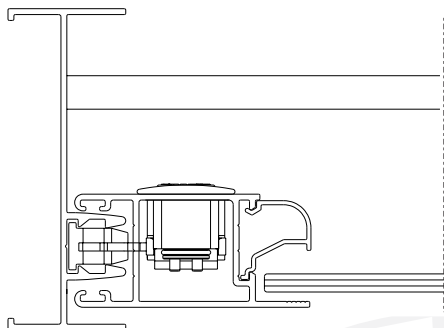
PERSPECTIVAS
sem escala



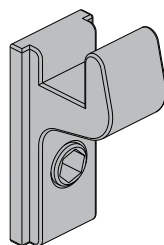
Código	Descrição
FEC00448PTO	Fecho concha (preto)
FEC00448FCO	Fecho concha (fosco)
FEC00448BCO	Fecho concha (branco)

Código	Descrição
FEC1035	Fecho manual (preto)
FEC10350	Fecho manual (fosco)
FEC1035EB	Fecho manual (branco)

Código	Descrição
FEC1036	Fecho autom. (preto)
FEC10360	Fecho autom. (fosco)
FECH1036EB	Fecho autom. (branco)



DETALHE DE APLICAÇÃO
sem escala

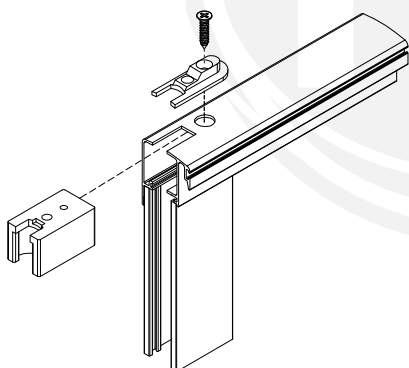


PERSPECTIVA
sem escala

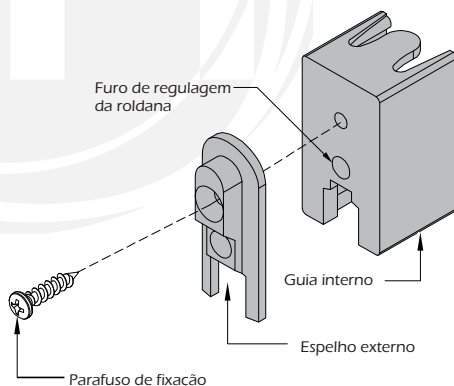
Código	Descrição
COM00370PTO	Contra fecho (preto)
COM00370FCO	Contra fecho (fosco)
COM00370BCO	Contra fecho (branco)

Código (ver tabela)

Contra fecho



DETALHE DE APLICAÇÃO
sem escala

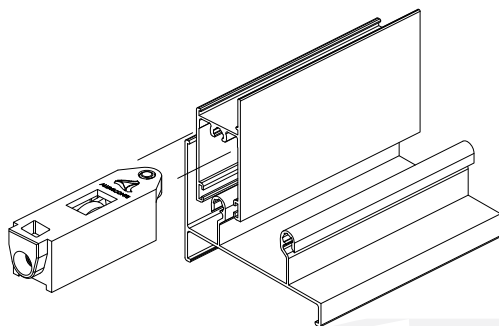


PERSPECTIVA
sem escala

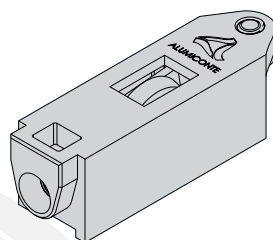
Código	Descrição
GUIA10001PTO	Guia limitadora (preta)
GUIA10001BCO	Guia limitadora (branca)

Código (ver tabela)

Guia limitadora



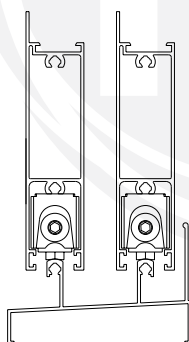
DETALHE DE APLICAÇÃO
sem escala



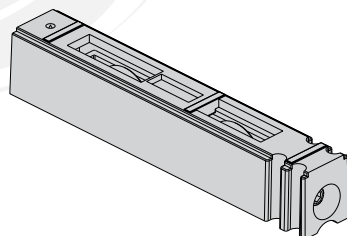
PERSPECTIVA
sem escala

Código	Descrição
ROLD00426PTO	Roldana com regulagem (sem rolamento)
ROLD00426BCO	Roldana com regulagem (sem rolamento)
ROLD00440PTO	Roldana com regulagem (com rolamento)
ROLD00440BCO	Roldana com regulagem (com rolamento)

Código (ver tabela)	Roldana com regulagem
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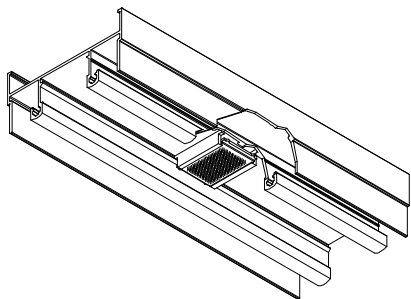
DETALHE DE APLICAÇÃO
sem escala



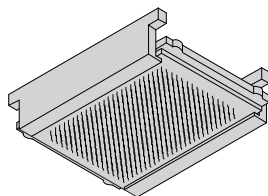
PERSPECTIVA
sem escala

Código	Descrição
ROLD00439PTO	Roldana dupla c/ regulagem (sem rolamento)
ROLD00439BCO	Roldana dupla c/ regulagem (sem rolamento)
ROL-439R	Roldana dupla c/ regulagem (com rolamento)

Código (ver tabela)	Roldana dupla com regulagem
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DETALHE DE APLICAÇÃO
sem escala

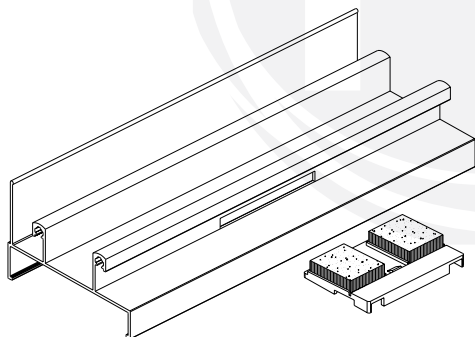


PERSPECTIVA
sem escala

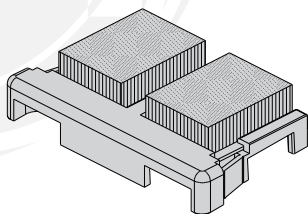
Código	Descrição
NYLO00335PTO	Vedação superior (preta)
NYLO00335BCO	Vedação superior (branca)

Código (ver tabela)

Vedação superior



DETALHE DE APLICAÇÃO
sem escala

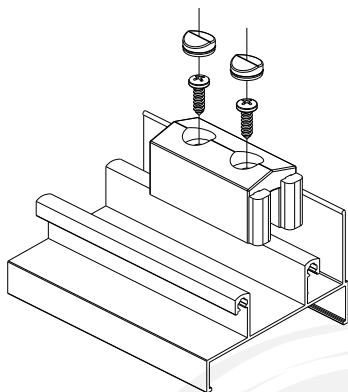


PERSPECTIVA
sem escala

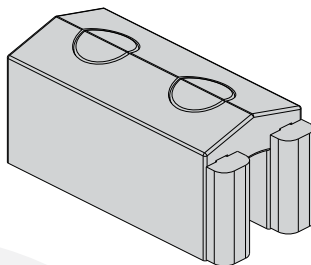
Código	Descrição
NYLO00329PTO	Vedação inferior (preta)
NYLO00329BCO	Vedação inferior (branca)

Código (ver tabela)

Vedação inferior



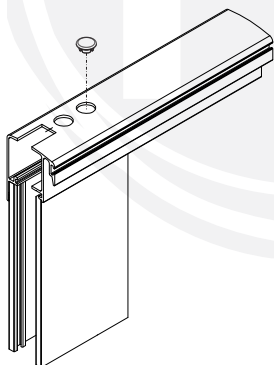
DETALHE DE APLICAÇÃO
sem escala



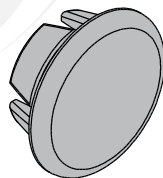
PERSPECTIVA
sem escala

Código	Descrição
NYLO00414PTO	Batedeira (preta)
NYLO00414BCO	Batedeira (branca)

Código (ver tabela)	Batedeira
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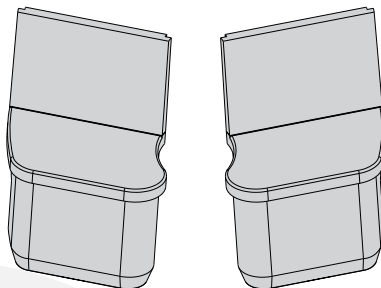
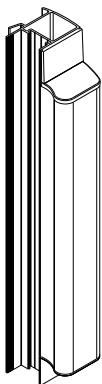
DETALHE DE APLICAÇÃO
sem escala



PERSPECTIVA
sem escala

Código	Descrição
NYLO00420PTO	Botão tapa furo (preto)
NYLO00420BCO	Botão tapa furo (branco)

Código (ver tabela)	Botão tapa furo
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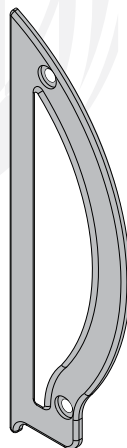
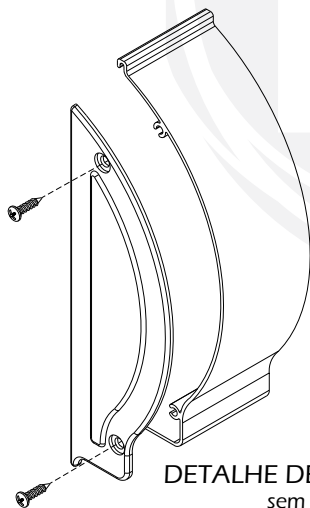


DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
TAMP10015PTO	Tampa superior e inferior (preta)
TAMP10015BCO	Tampa superior e inferior (branca)

PERSPECTIVA
sem escala

Código (ver tabela)	Tampa superior e inferior
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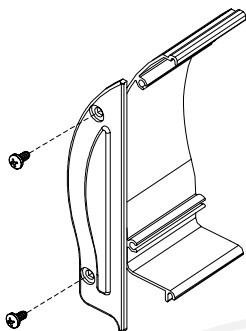


DETALHE DE APLICAÇÃO
sem escala

PERSPECTIVA
sem escala

Código	Descrição
TAMP10018PTO	Tampa lateral da porta com persiana (preta)
TAMP10018BCO	Tampa lateral da porta com persiana (branca)

Código (ver tabela)	Tampa lat. da porta com persiana integrada
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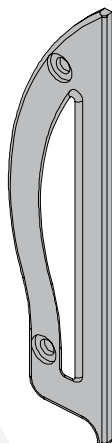


DETALHE DE APLICAÇÃO
sem escala

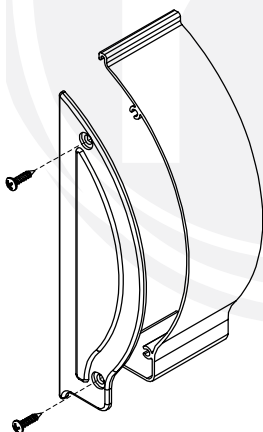
Código	Descrição
TAMPA10014PTO	Tampa lateral da janela c/persiana (preta)
TAMPA10014BCO	Tampa lateral da janela c/persiana (branca)

Código (ver tabela)

Tampa lat. da janela c/persiana integrada



PERSPECTIVA
sem escala

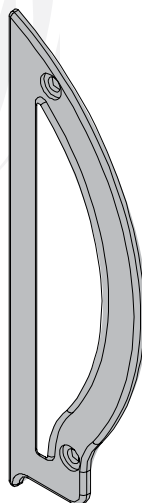


DETALHE DE APLICAÇÃO
sem escala

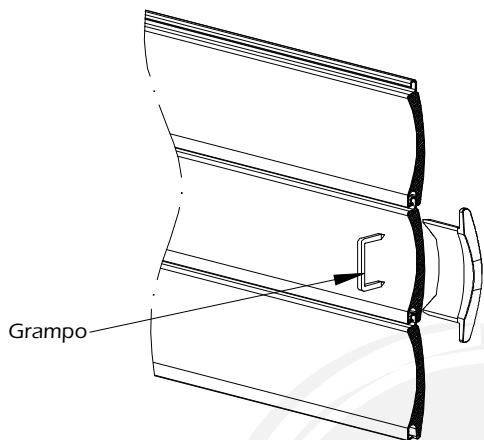
Código	Descrição
TAMPA10016PTO	Tampa lateral da janela c/persiana (preta)
TAMPA10016BCO	Tampa lateral da janela c/persiana (branca)

Código (ver tabela)

Tampa lat. da janela c/persiana integrada



PERSPECTIVA
sem escala



Grampo

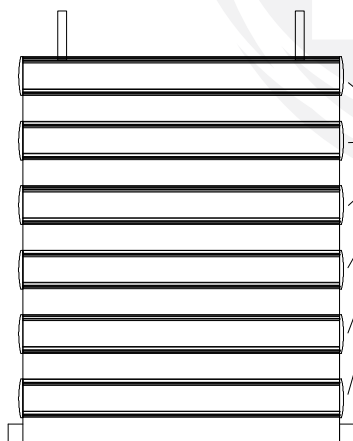
DETALHE DE APLICAÇÃO
sem escala

PERSPECTIVA
sem escala

Código	Descrição
NYLO00447PTO	Tampa lateral da palheta (preta)
NYLO00447BCO	Tampa lateral da palheta (branca)

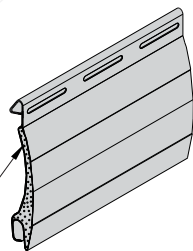
Código (ver tabela)

Tampa lateral da palheta



NYLO00447

Poliuretano
injetado

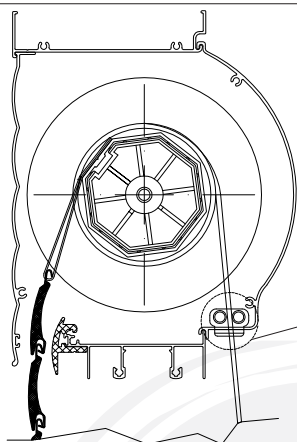


DETALHE DE APLICAÇÃO
sem escala

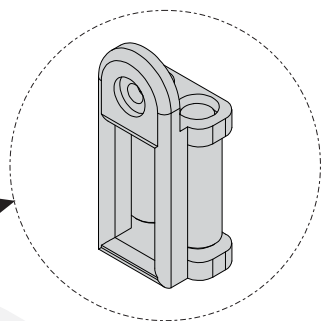
PERSPECTIVA
sem escala

Palheta

Esteira montada



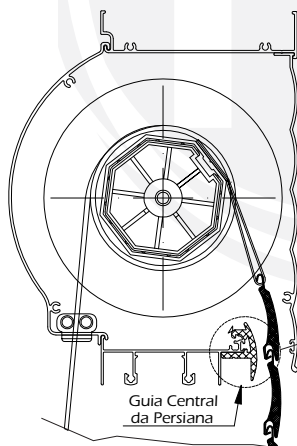
DETALHE DE APLICAÇÃO
sem escala



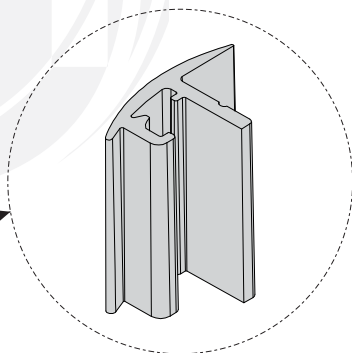
PERSPECTIVA
sem escala

Código	Descrição
GUIA10002PTO	Guia da cinta do recolhedor (preta)
GUIA10002BCO	Guia da cinta do recolhedor (branca)

Código (ver tabela)	Guia da cinta do recolhedor em poliamida
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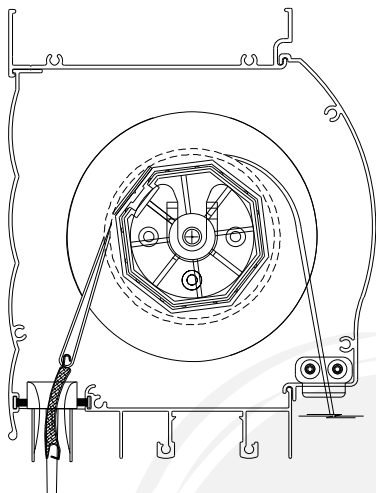
DETALHE DE APLICAÇÃO
sem escala



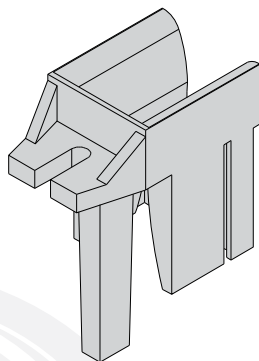
PERSPECTIVA
sem escala

Código	Descrição
GUIA10003PTO	Guia central da persiana em poliamida (preta)
GUIA10003BCO	Guia central da persiana em poliamida (branca)

Código (ver tabela)	Guia central da persiana em poliamida
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DETALHE DE APLICAÇÃO
sem escala

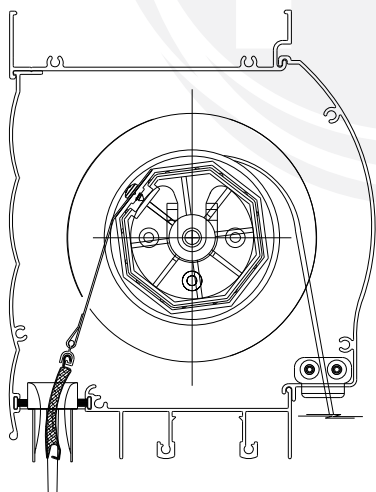


PERSPECTIVA
sem escala

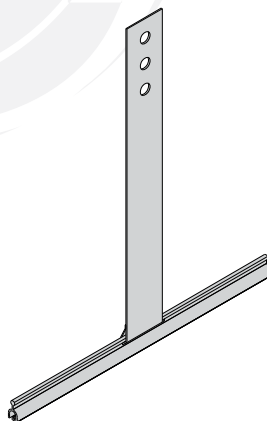
Código	Descrição
NYLO00370PTO	Guia da persiana em poliamida (preto)
NYLO00370BCO	Guia da persiana em poliamida (branco)

Código (ver tabela)

Guia da persiana em poliamida



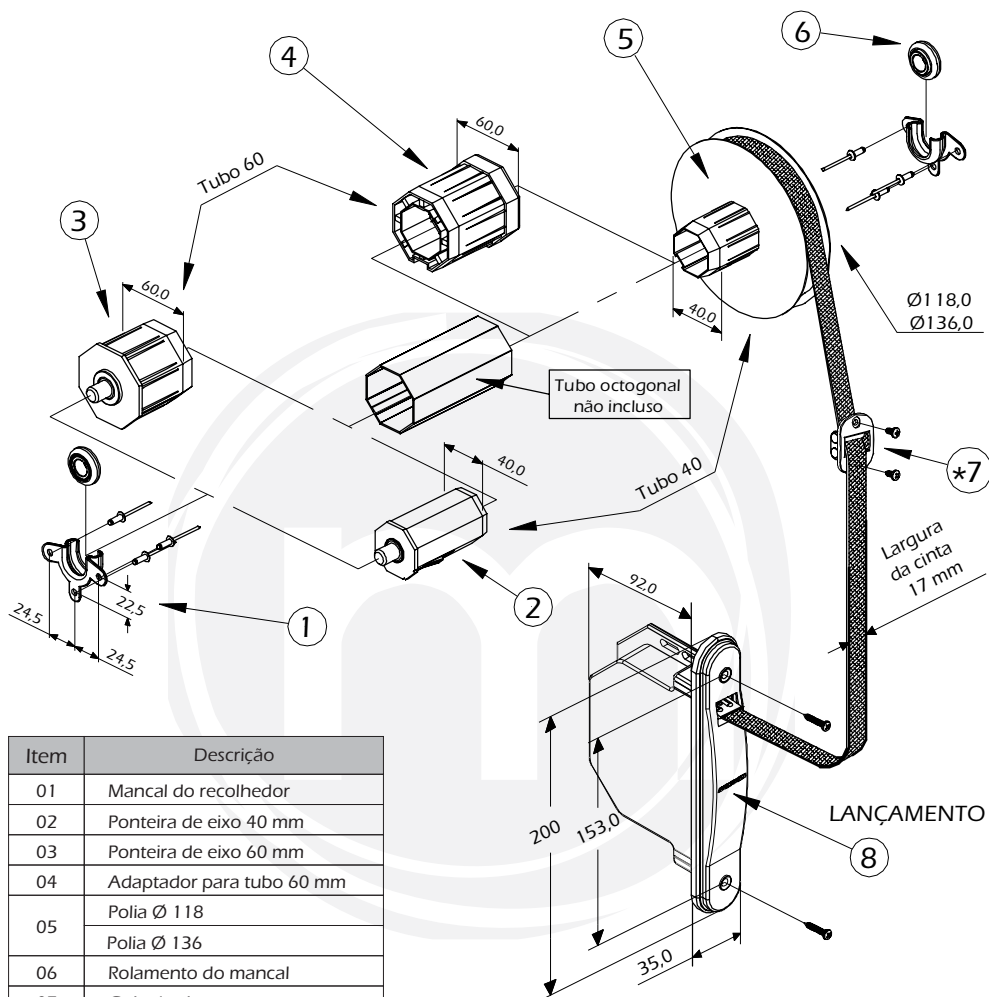
DETALHE DE APLICAÇÃO
sem escala



PERSPECTIVA
sem escala

FITO007490

Mola de segurança para fixação da esteira

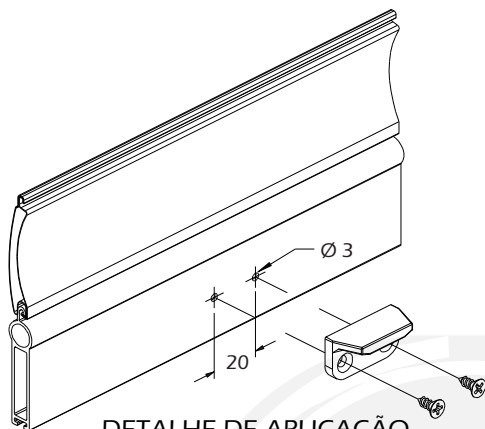


Item	Descrição
01	Mancal do recolhedor
02	Ponteira de eixo 40 mm
03	Ponteira de eixo 60 mm
04	Adaptador para tubo 60 mm
05	Polia Ø 118
	Polia Ø 136
06	Rolamento do mancal
07	Guia da cinta
08	Máquina com espelho e caixa

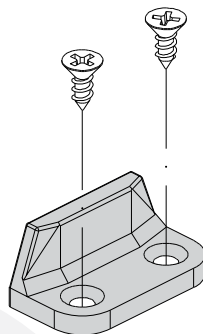
Código (preto)	Código (branco)	Tubo (mm)	Polia (mm)	Aplicação
REC-120	REC-120 EB	40	Ø 118	Janela
REC-121	REC-121 EB	40	Ø 136	Porta
REC-122	REC-122 EB	60	Ø 118	Janela
REC-123	REC-123 EB	60	Ø 136	Porta

Código (ver tabela)

Recolhedor



DETALHE DE APLICAÇÃO
sem escala

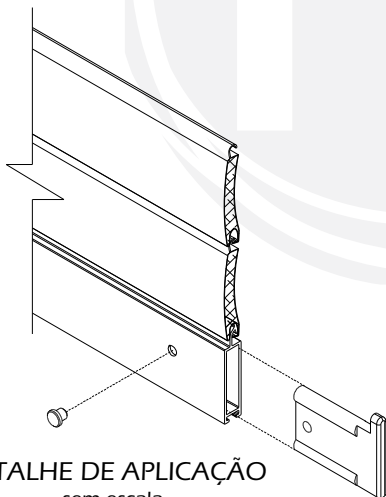


PERSPECTIVA
sem escala

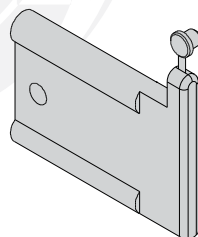
Código	Descrição
NYLO00738PTO	Limitador de abertura (preto)
NYLO00738BCO	Limitador de abertura (branco)

Código (ver tabela)

Limitador de abertura



DETALHE DE APLICAÇÃO
sem escala

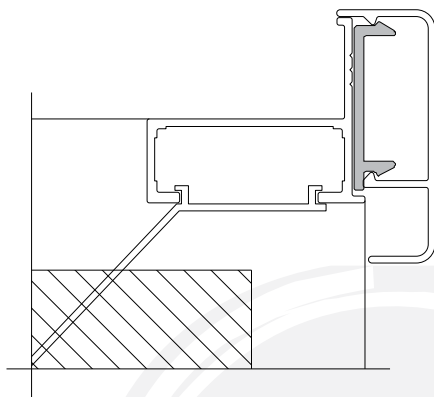


PERSPECTIVA
sem escala

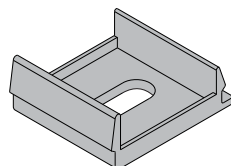
Código	Descrição
NYLO00369PTO	Guia e limitador da persiana (preta)
NYLO00369BCO	Guia e limitador da persiana (branca)

NYLO00369

Guia e limitador da persiana



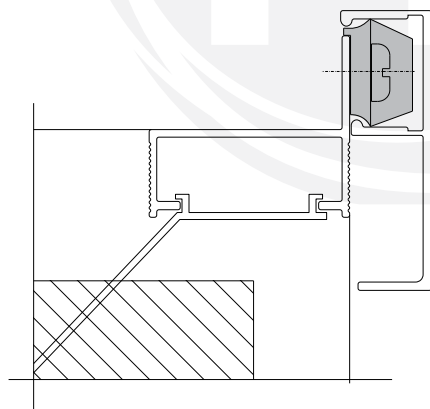
DETALHE DE APLICAÇÃO
sem escala



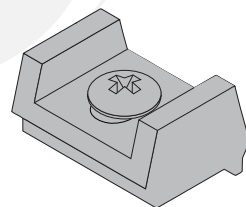
PERSPECTIVA
sem escala

PREO0965PTO

Presilha do arremate



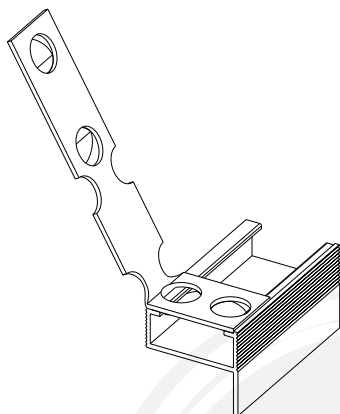
DETALHE DE APLICAÇÃO
sem escala



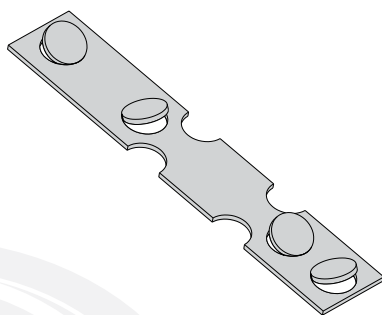
PERSPECTIVA
sem escala

NYLO0190PTO

Presilha do arremate



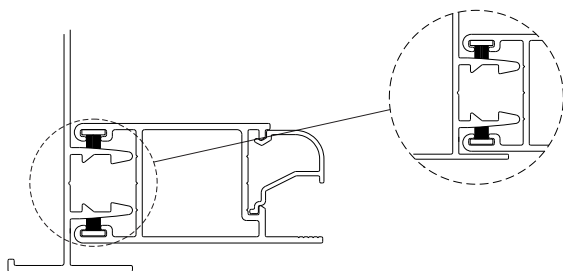
DETALHE DE APLICAÇÃO
sem escala



PERSPECTIVA
sem escala

CHU-00787

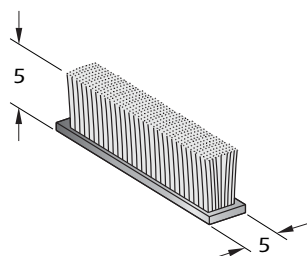
Chumbador para contramarcos (natural)



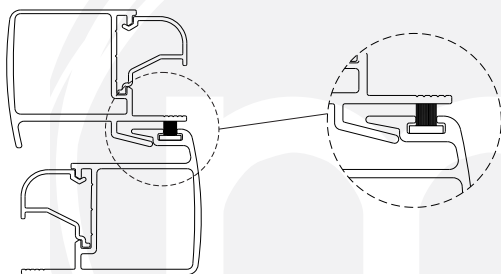
DETALHES DE APLICAÇÃO
sem escala

FITASB05X05BCO

Fita vedadora s/ barreira plástica 5 x 5 mm



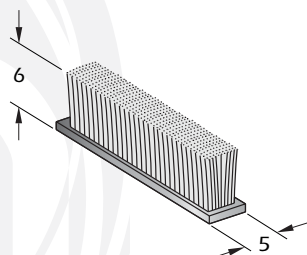
PERSPECTIVA
sem escala



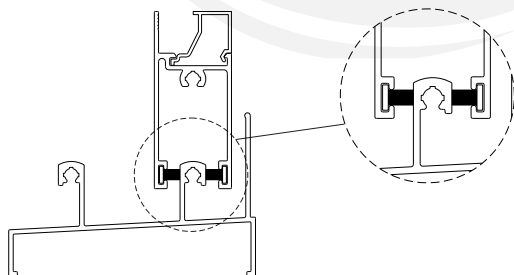
DETALHES DE APLICAÇÃO
sem escala

FITASB05X06BCO

Fita vedadora s/ barreira plástica 5 x 6 mm



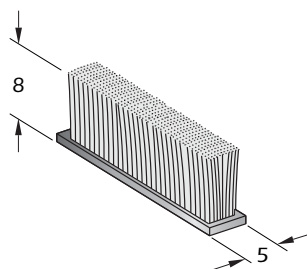
PERSPECTIVA
sem escala



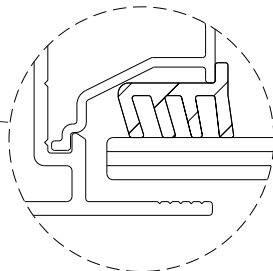
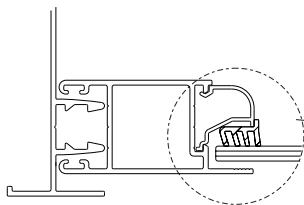
DETALHES DE APLICAÇÃO
sem escala

FITASB05X08BCO

Fita vedadora s/ barreira plástica 5 x 8 mm



PERSPECTIVA
sem escala

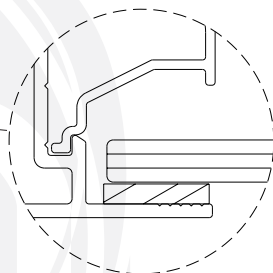
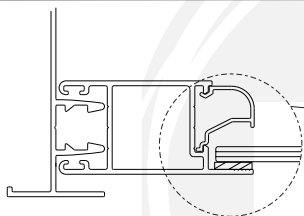


DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
GUAR00256PTO	Guarnição em EPDM (vidro de 4 mm) + GUAR00159TO
	Guarnição em EPDM (vidro de 5 mm) + GUAR00258PTO
GUAR00259PTO	Guarnição em EPDM (vidro de 6 mm) + GUAR00258PTO

Código (ver tabela)

Guarnição em EPDM (preta)

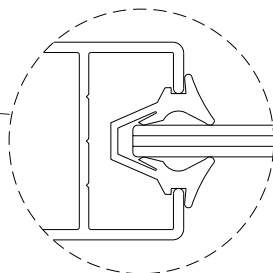
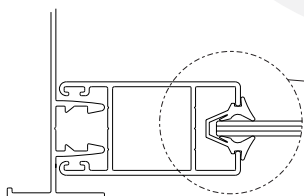


DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
GUAR00157PTO	Guarnição em EPDM (vidro de 4 mm)
GUAR00258PTO	Guarnição em EPDM (vidro de 5 mm)
	Guarnição em EPDM (vidro de 6 mm)

Código (ver tabela)

Guarnição em EPDM (preta)



DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
GUAR00284PTO	Guarnição em EPDM (vidro de 4 mm)
GUAR00283PTO	Guarnição em EPDM (vidro de 5 mm)
	Guarnição em EPDM (vidro de 6 mm)

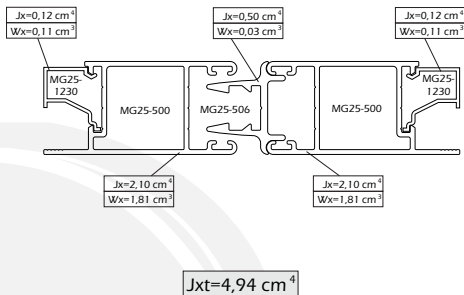
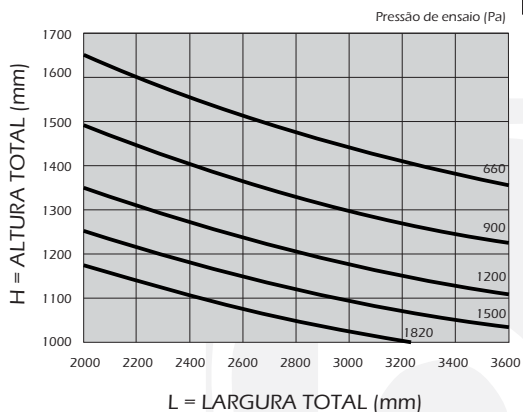
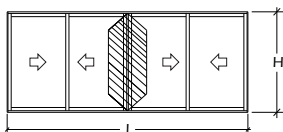
Código (ver tabela)

Guarnição em EPDM (preta)

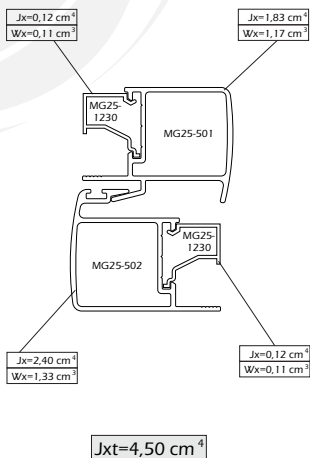
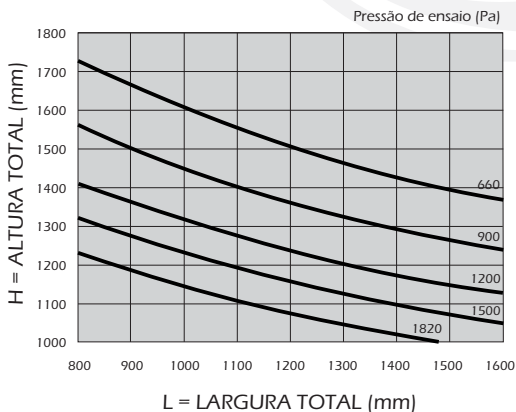
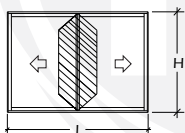


GRÁFICOS

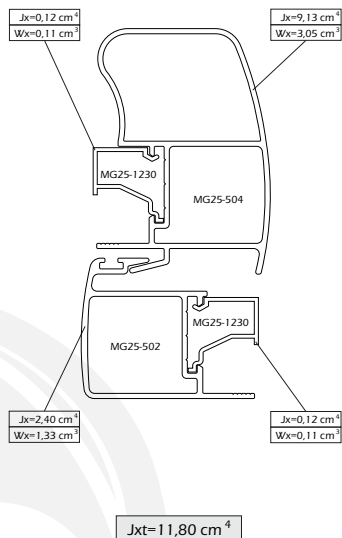
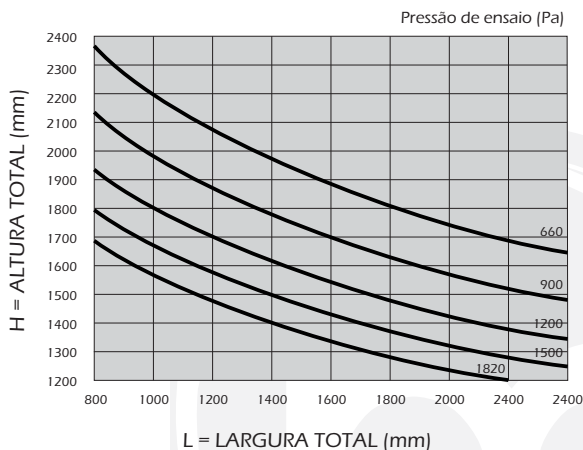
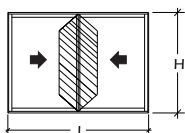
Central 4 Folhas



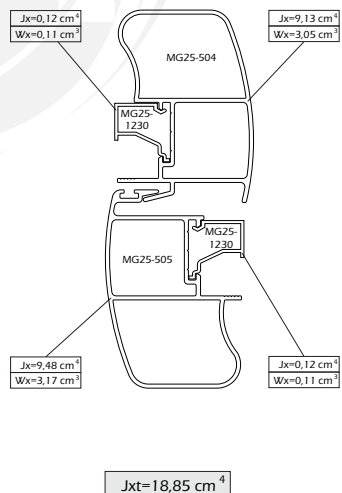
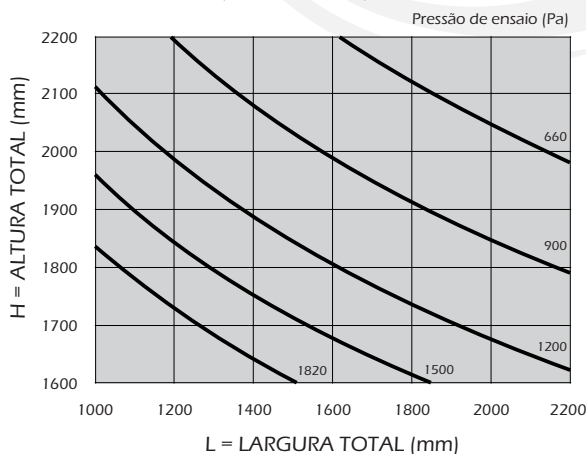
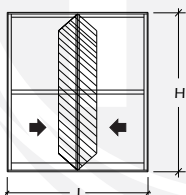
Montante Central



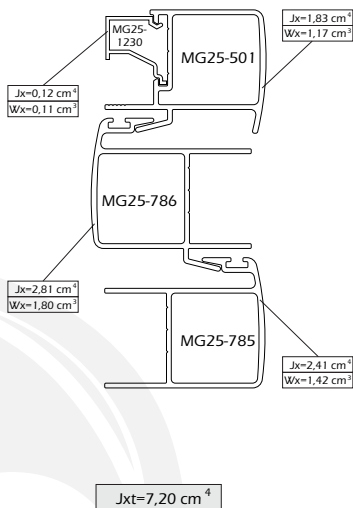
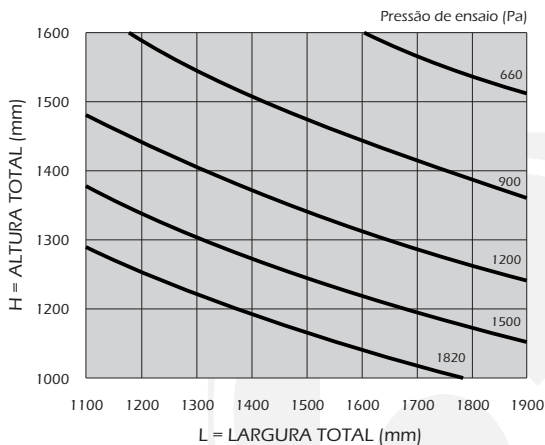
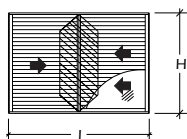
Montante Central



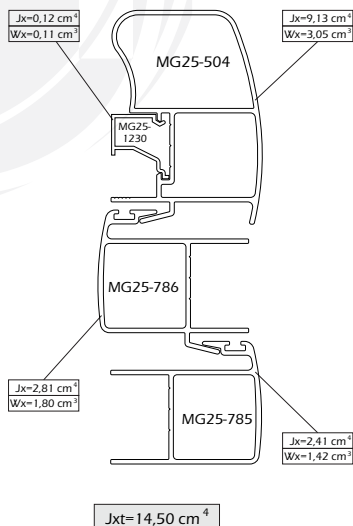
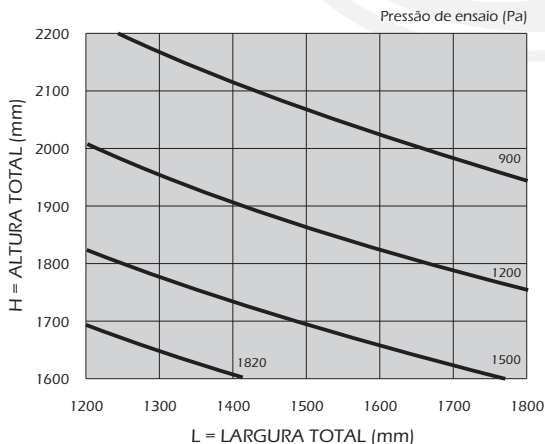
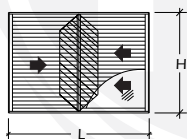
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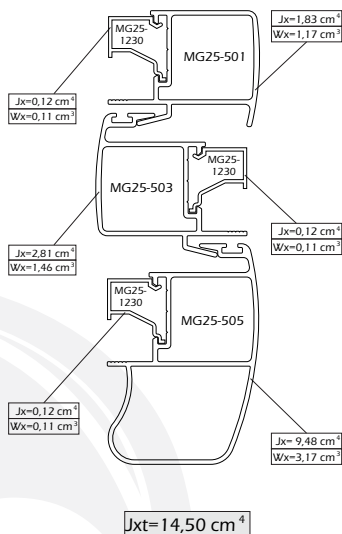
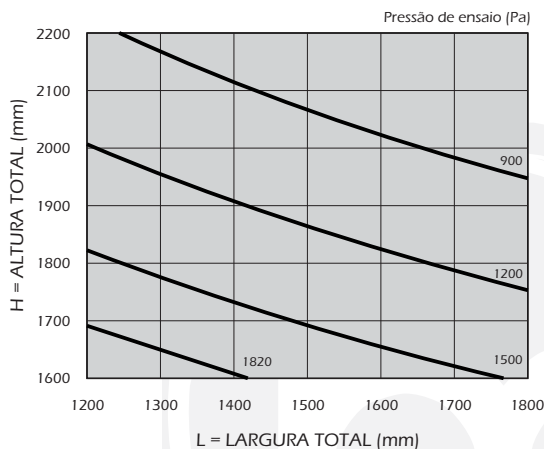
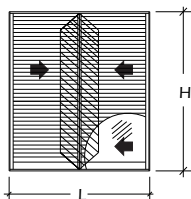
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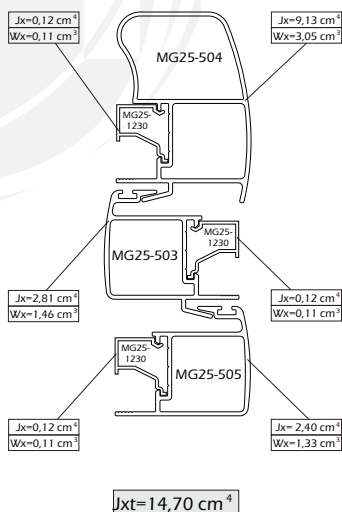
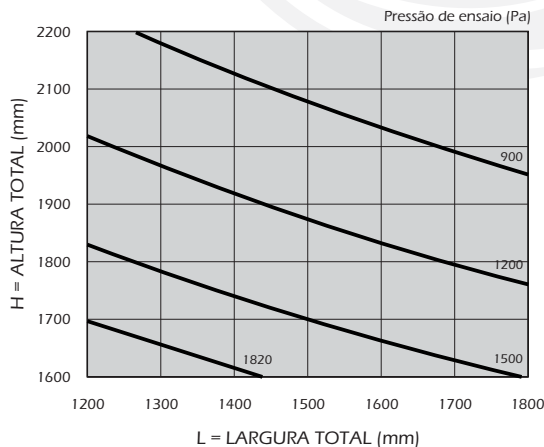
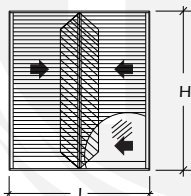
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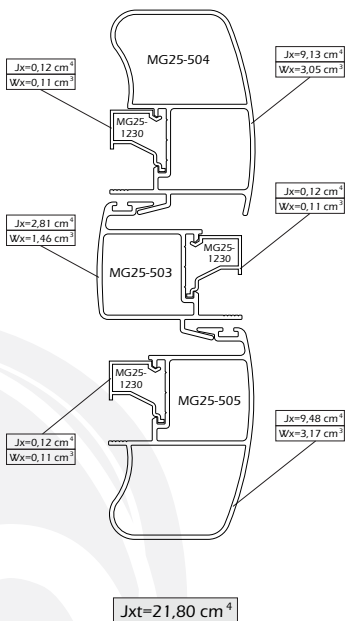
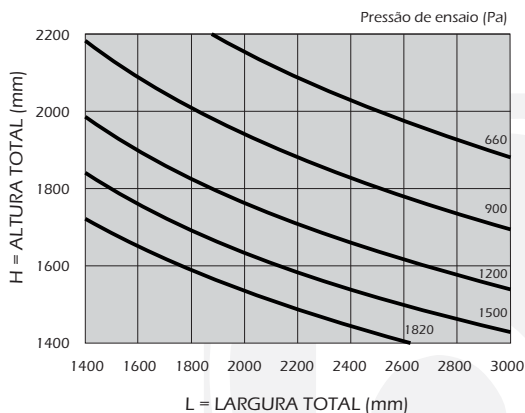
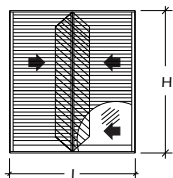
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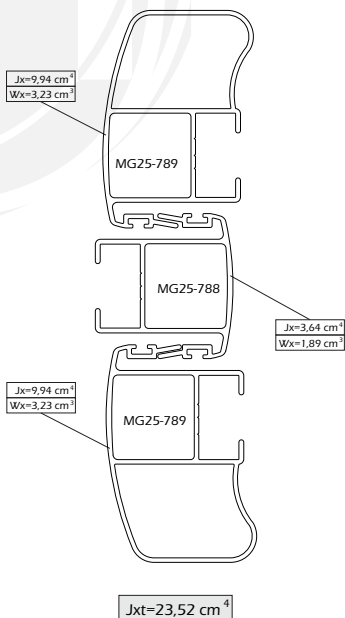
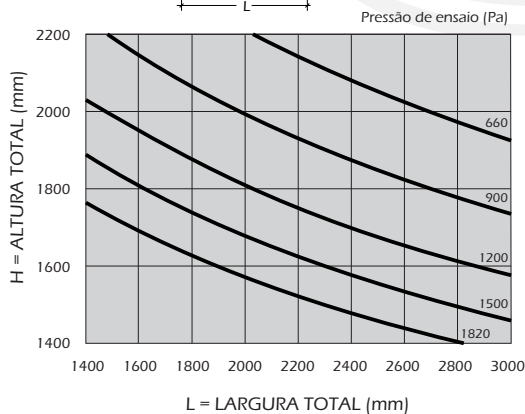
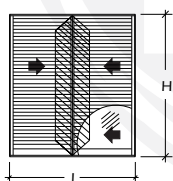
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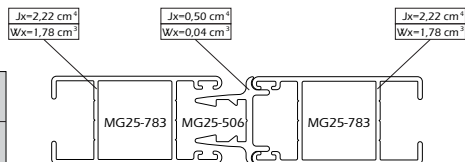
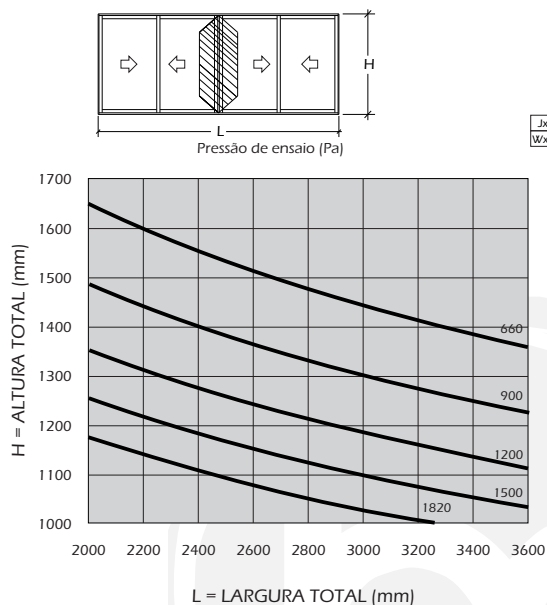
Montante Central



Montante Central

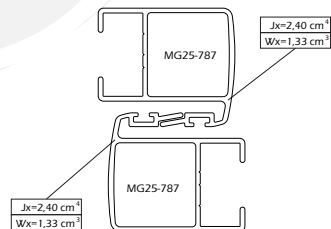
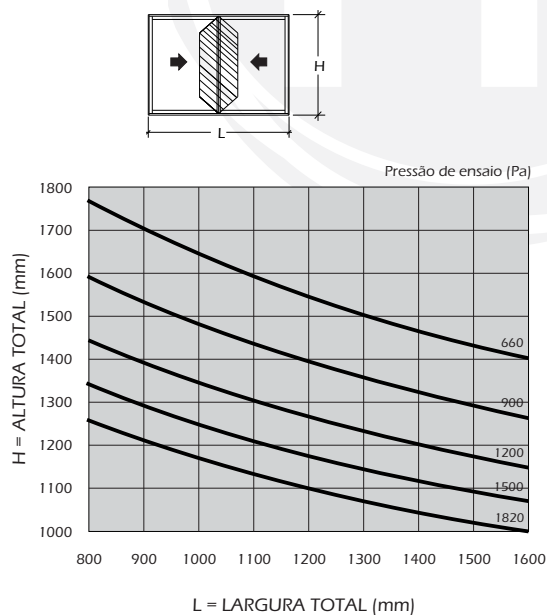


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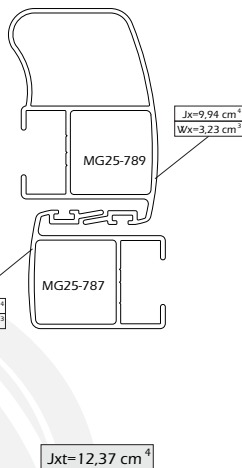
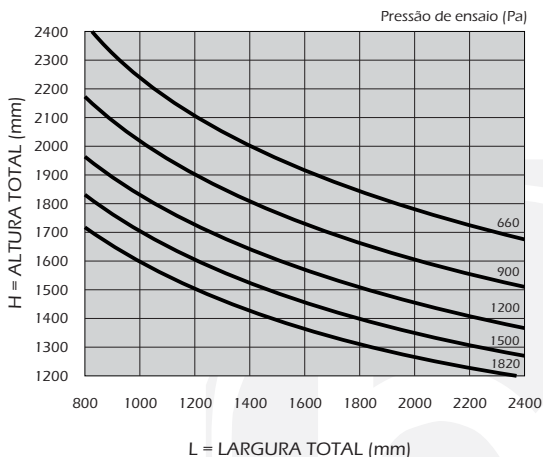
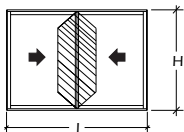
$J_{xt} = 4,94 \text{ cm}^4$

Montante Central

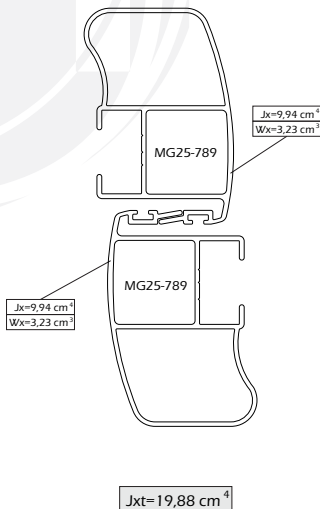
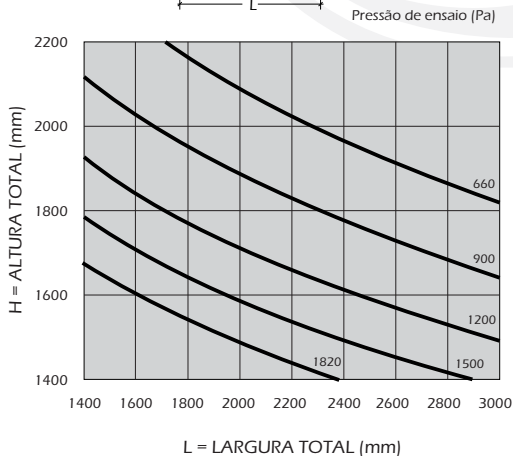
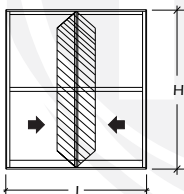


$J_{xt} = 4,50 \text{ cm}^4$

Montante Central

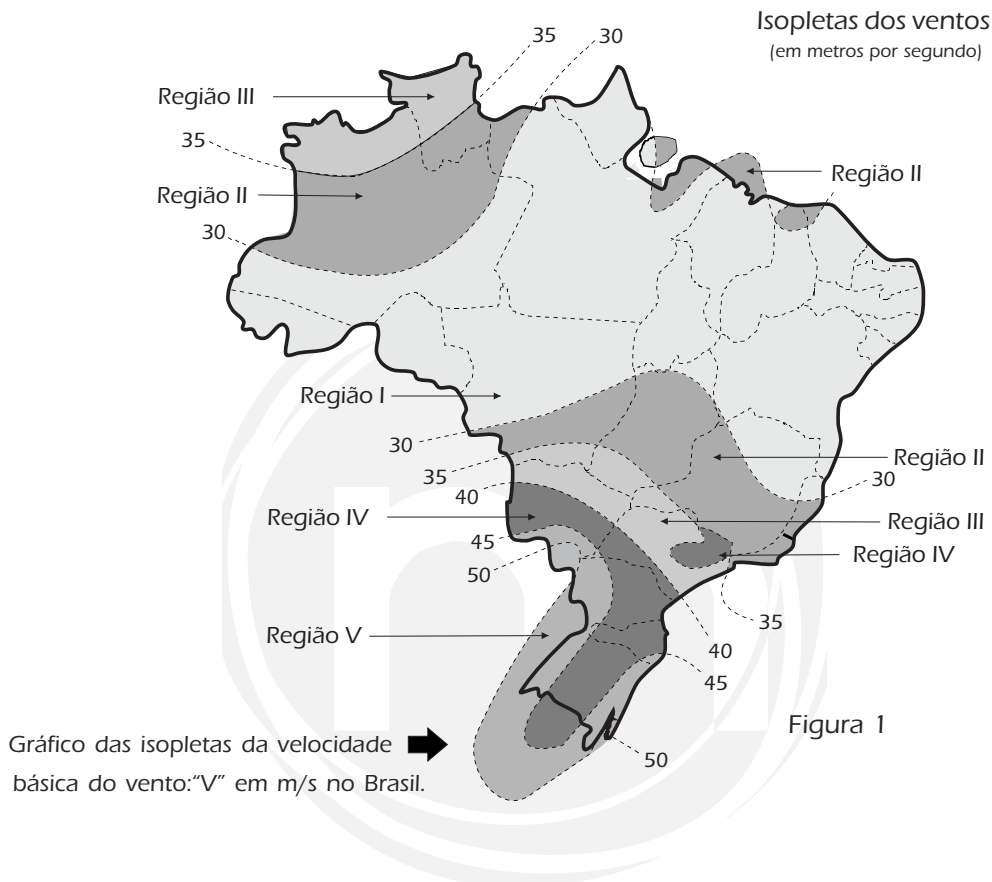


Montante Central





NORMAS



No Brasil, o comportamento estrutural de uma esquadria esta regulamentada pela NORMA NBR 10821.

Esta norma fixa as condições de desempenho de caixilhos em edificações residenciais e comerciais e visa assegurar ao consumidor, o recebimento de produtos com condições mínimas exigíveis de

desempenho, especificamente quanto à resistência a cargas uniformemente distribuídas e que apresenta um roteiro de cálculo da pressão de ensaio (vento e vedação).

ABNT NBR 10821 - Esquadrias externas para edificações

Tabela 1

Quantidade de pavimentos	Altura máxima	Região do País	Pressão de ensaio (Pa) Positiva e negativa $P_e = P_p \times 1,2$	Pressão de segurança (Pa) Positiva e negativa $P_s = P_e \times 1,5$	Pressão de água (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

