

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.

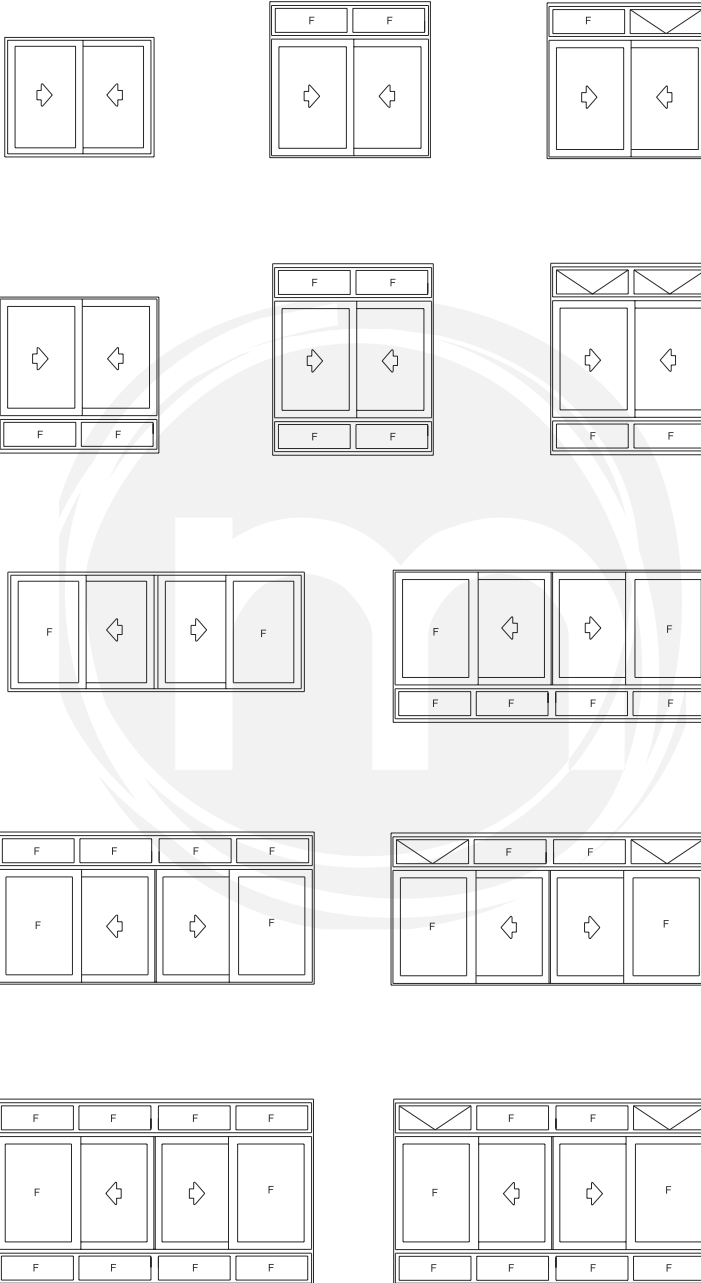
Essa notória versatilidade de composição é uma inovação exclusiva desta família, composta por:



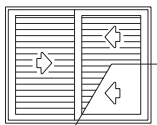
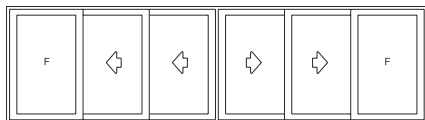
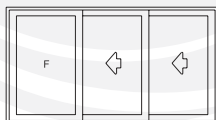
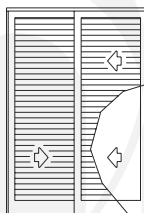
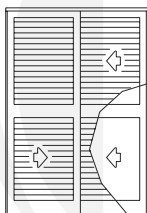
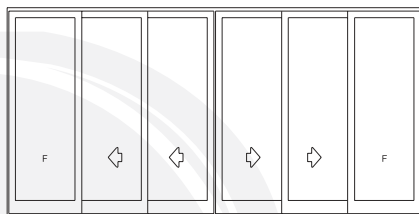
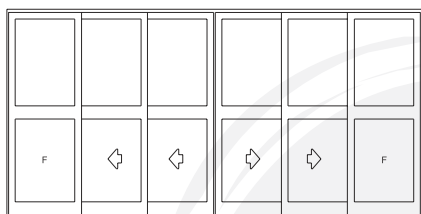
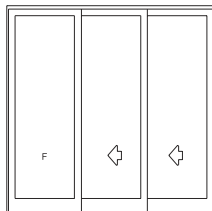
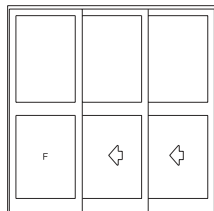
A Linha Mega 32 foi desenvolvida para um nível de sofisticação mais elevado. Os perfis mais robustos apresentam-se como soluções adequadas para fechamentos de grandes vãos.

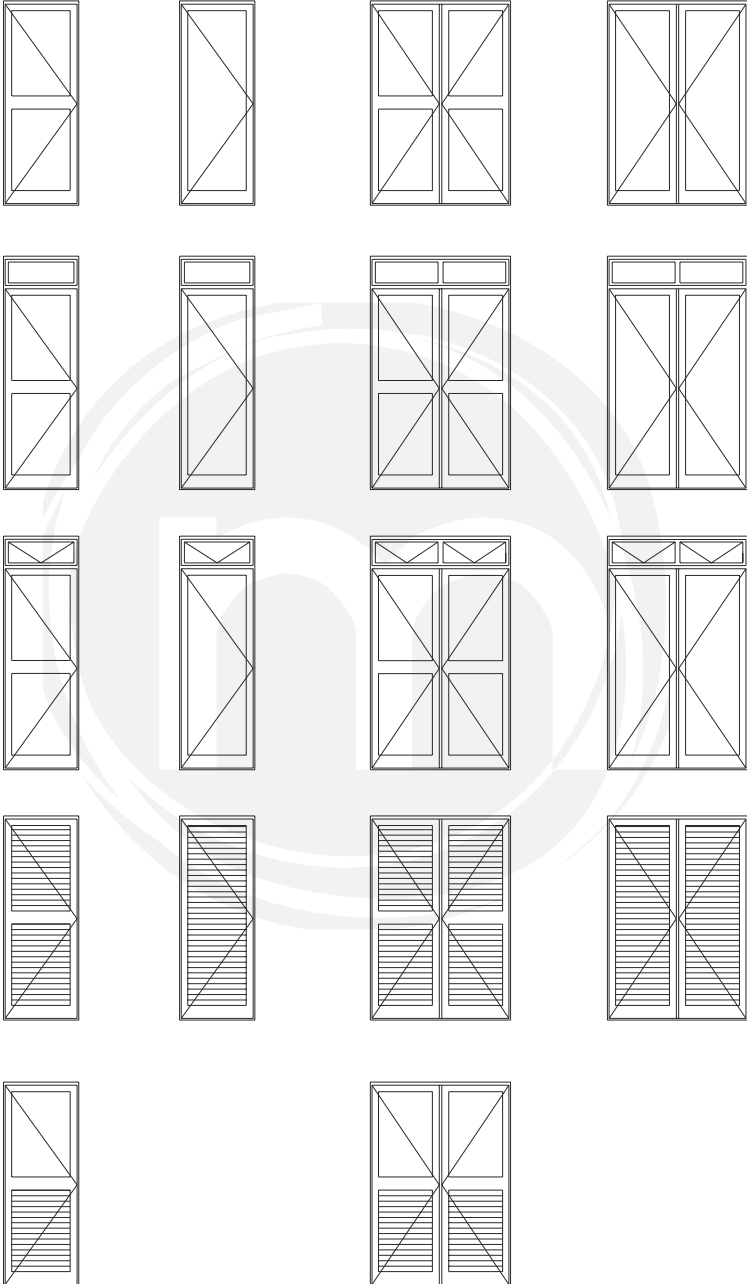


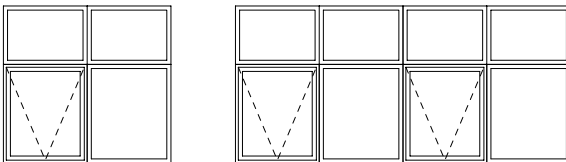
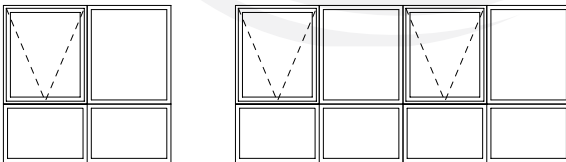
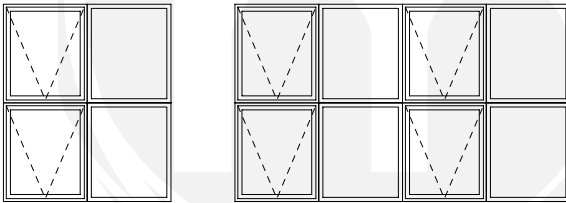
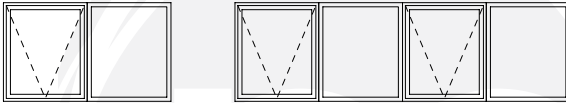
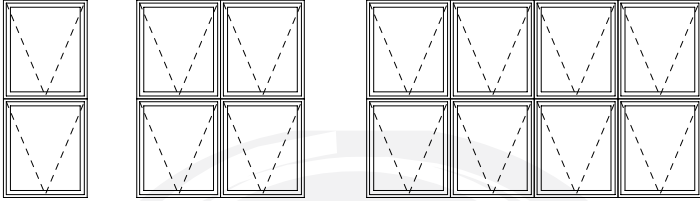
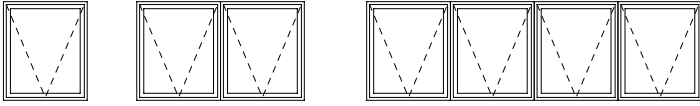
TIPOLOGIAS

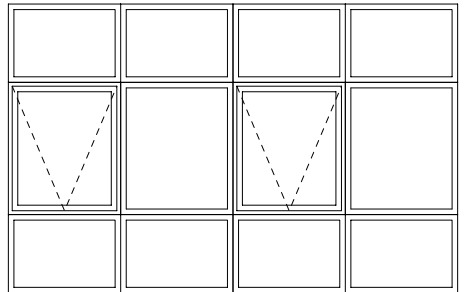
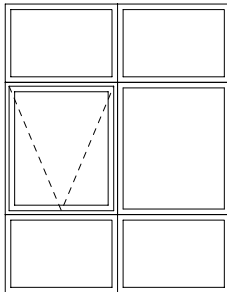
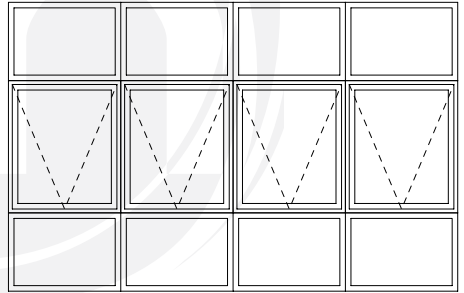
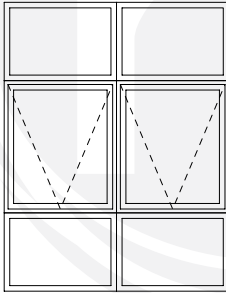
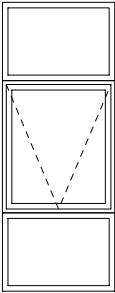
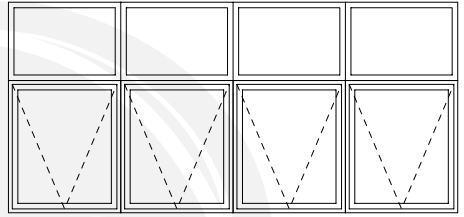
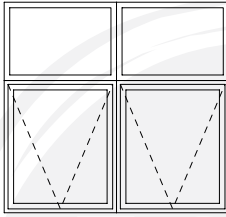
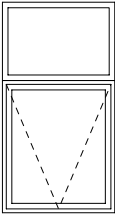
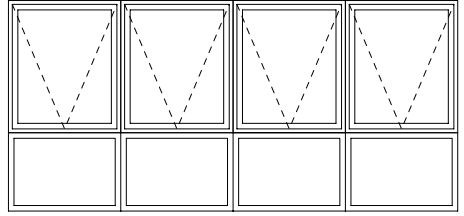
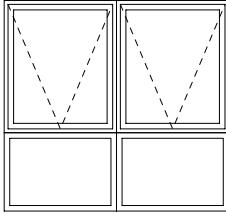
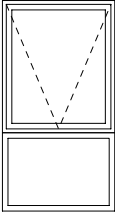


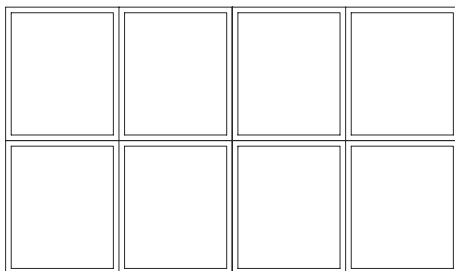
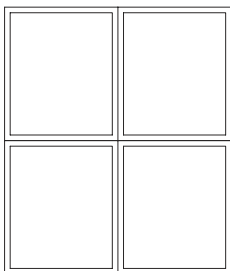
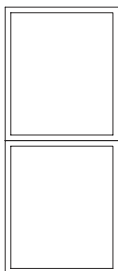
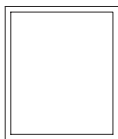
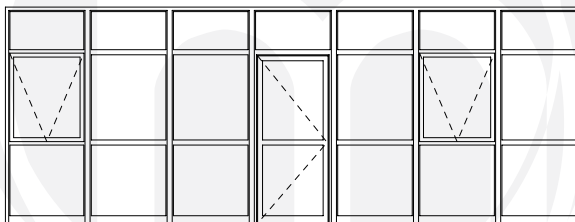
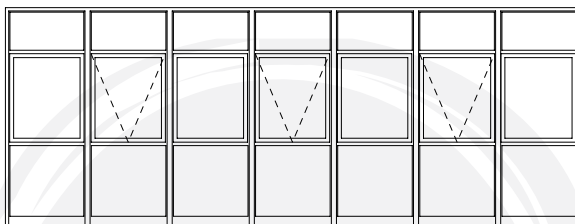
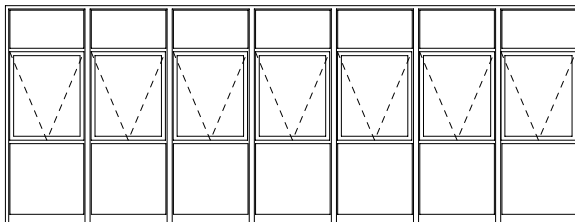








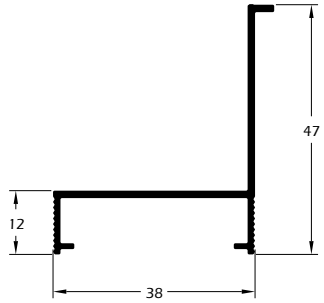
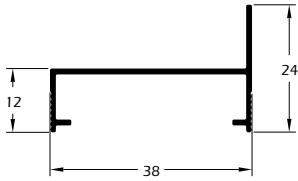






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CA-060

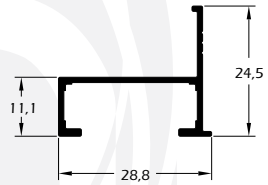
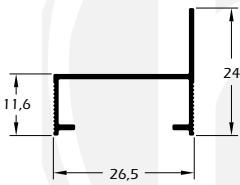
0,223 Kg/m

Contramarco

CA-098

0,377 Kg/m

Contramarco



CA-063

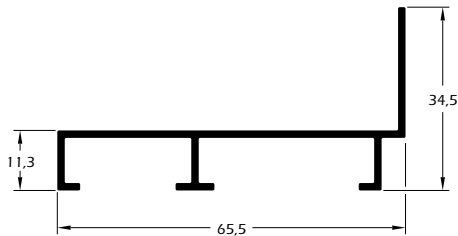
0,175 Kg/m

Contramarco

CA-721

0,261 Kg/m

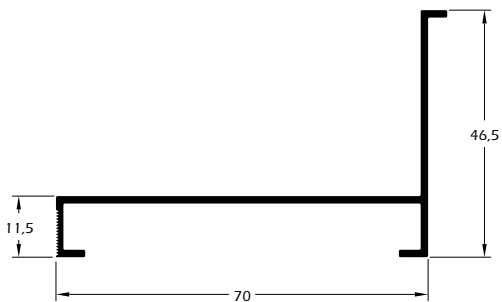
Contramarco



CA-129

0,493 Kg/m

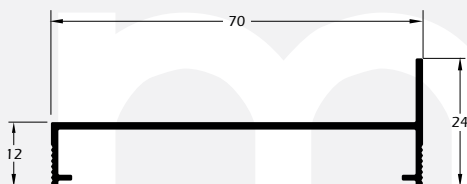
Contramarco



CA-032

0,513 Kg/m

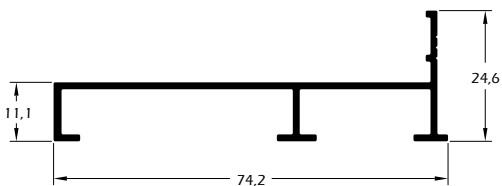
Contramarco



CA-096

0,327 Kg/m

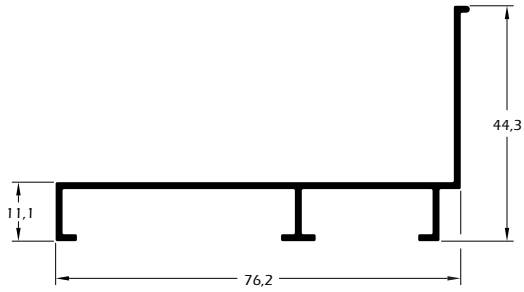
Contramarco



CA-113

0,468 Kg/m

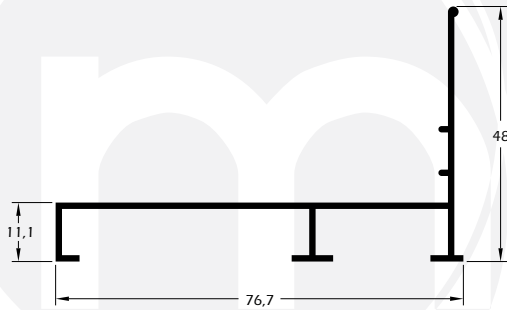
Contramarco



CA-517

0,531 Kg/m

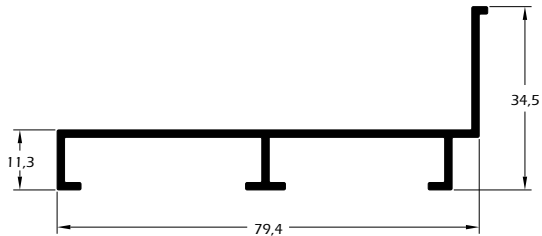
Contramarco



CA-709

0,520 Kg/m

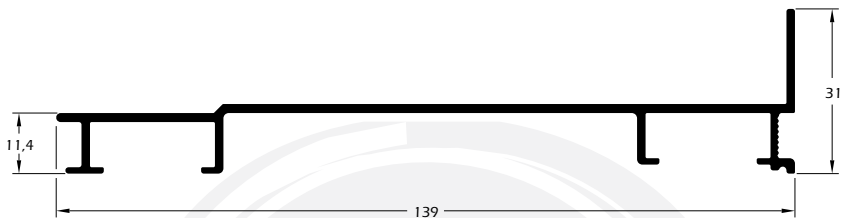
Contramarco



CA-028

0,554 Kg/m

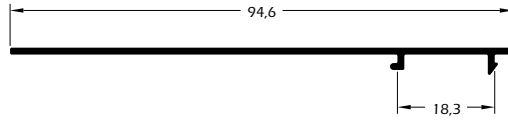
Contramarco



CA-168

0,951 Kg/m

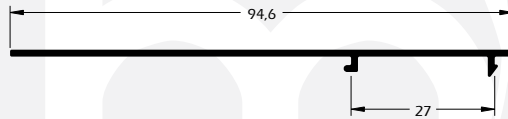
Contramarco



CA-207

0,361 Kg/m

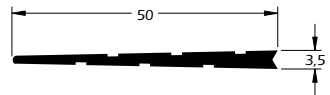
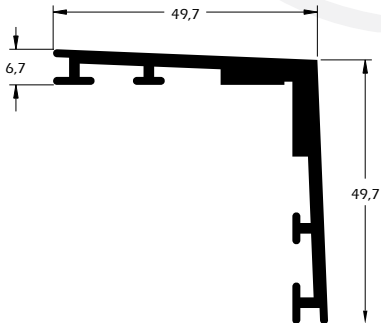
Chumbador para cm-063



CA-209

0,223 Kg/m

Chumbador para cm-060



CA-006

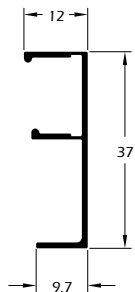
1,006 Kg/m

Macho de conexão

CA-011

0,315 Kg/m

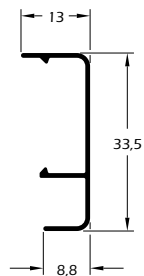
Cunha de conexão



RA-347

0,197 Kg/m

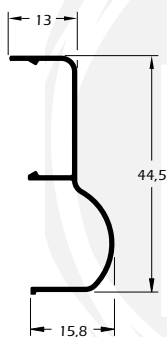
Remate



RA-613

0,162 Kg/m

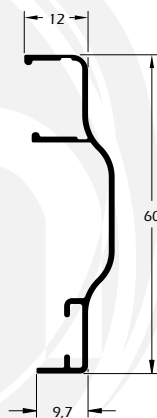
Remate



RA-1009

0,209 Kg/m

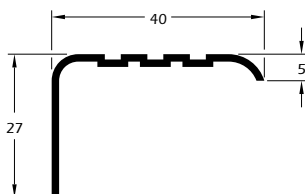
Remate



RA-1175

0,297 Kg/m

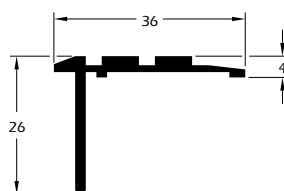
Remate



RA-013

0,268 Kg/m

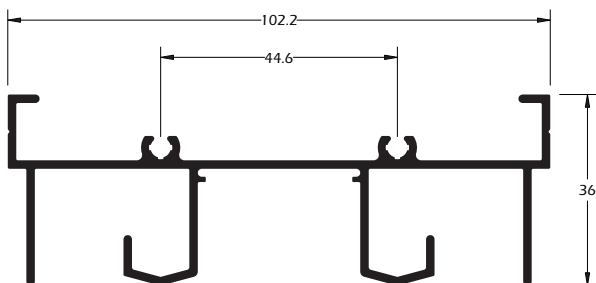
Remate



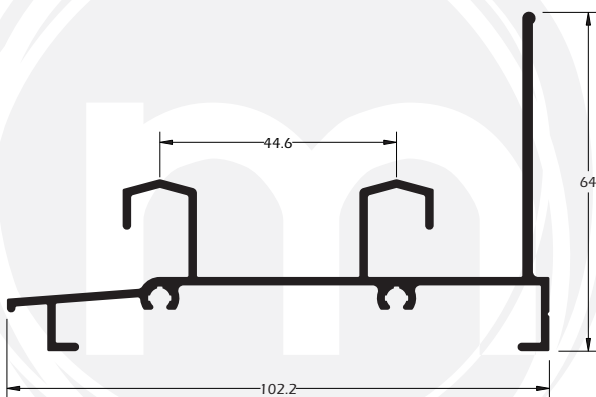
RA-516

0,339 Kg/m

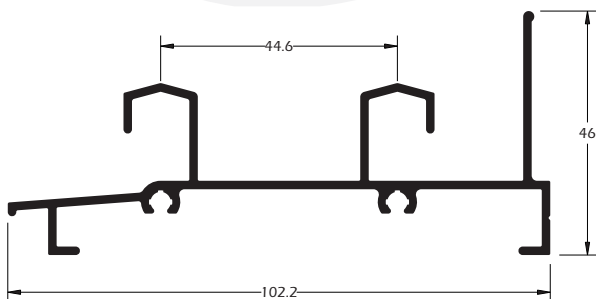
Remate



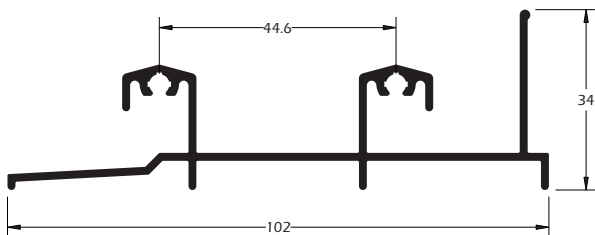
MG32-001 1,230 Kg/m Trilho superior de correr 02 planos



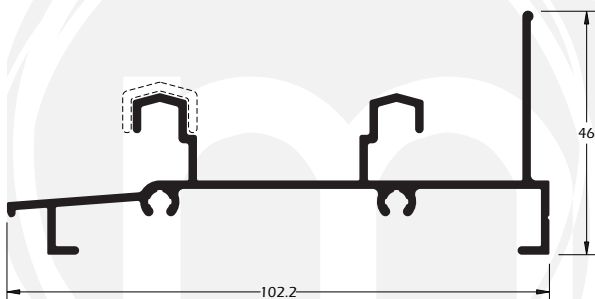
MG32-004 1,123 Kg/m Trilho inferior da janela com aba de 64 mm correr 02 planos



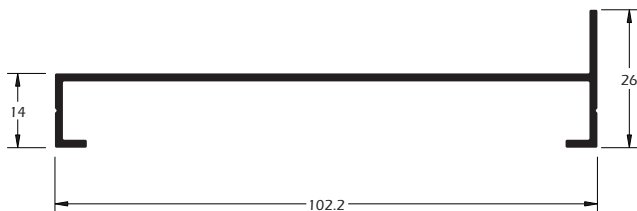
MG32-023 1,256 Kg/m Trilho inferior da janela com aba de 46 mm correr 02 planos



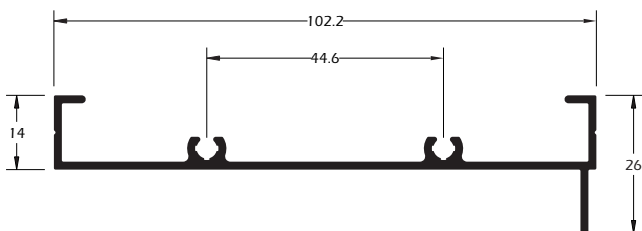
MG32-610 | 0,957 Kg/m | Trilho inferior com aba de 34mm



MG32-083 | 1,088 Kg/m | Trilho inferior correr 2 folhas



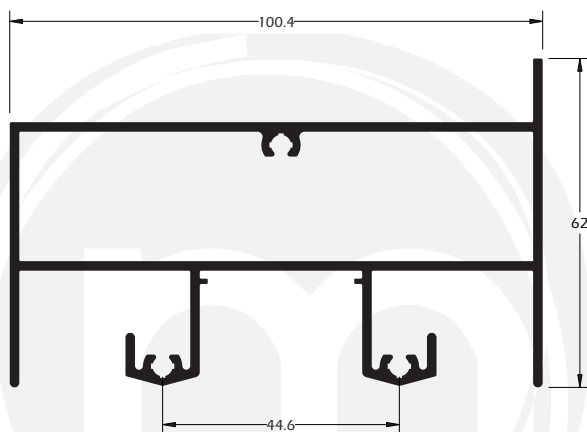
MG32-016 | 0,601 Kg/m | Marco lateral correr 02 planos



MG32-017

0,708 Kg/m

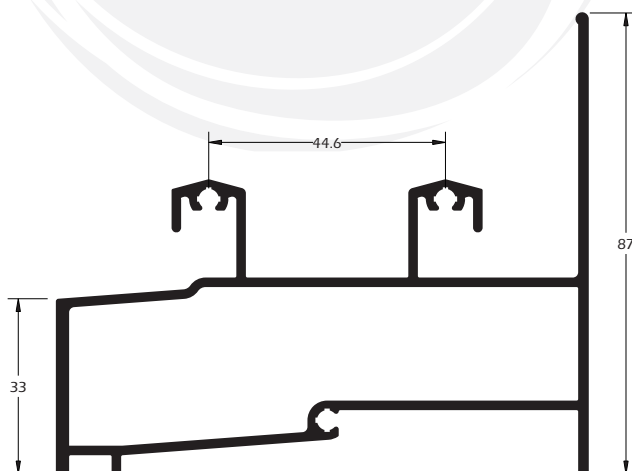
Travessa superior da bandeira
com 02 planos



MG32-018

1,999 Kg/m

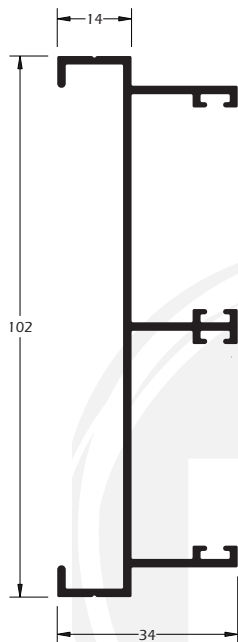
Travessa intermediária superior
do marco correr 02 planos



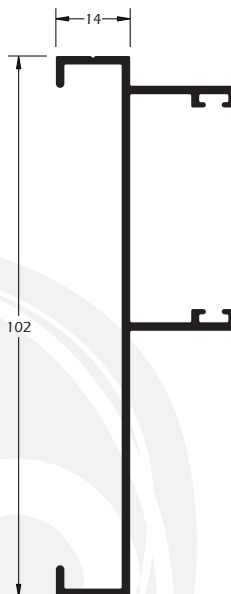
MG32-019

1,115 Kg/m

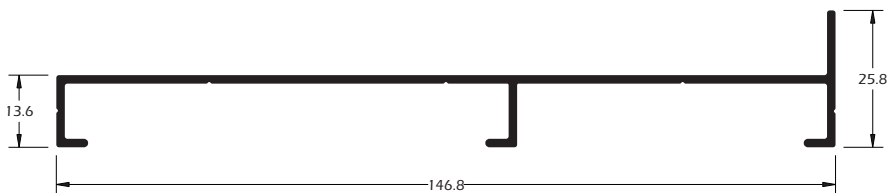
Travessa intermediária inferior
do marco correr 02 planos



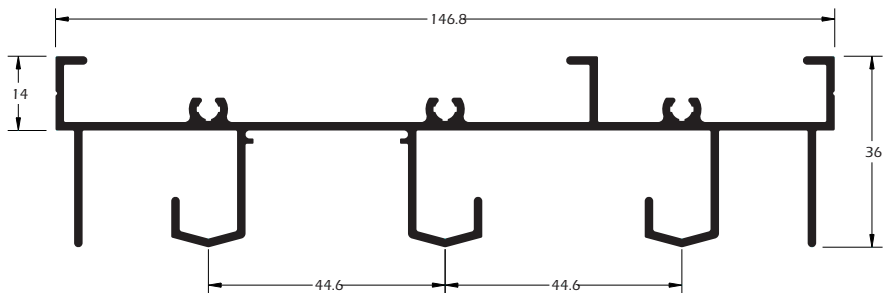
MG32-002 | 0,952 Kg/m | Marco lateral com 02 mata juntas correr 02 planos



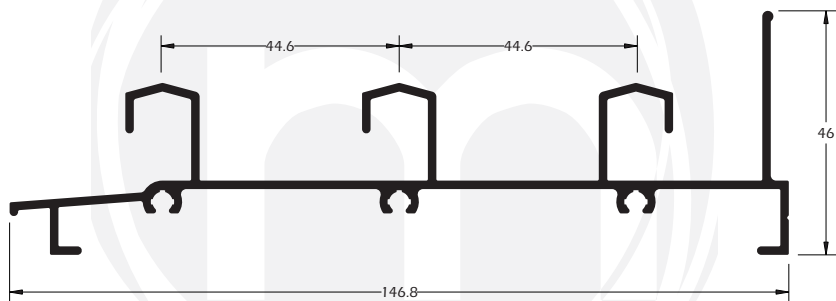
MG32-049 | 0,812 Kg/m | Marco lateral com 01 mata junta correr 02 planos



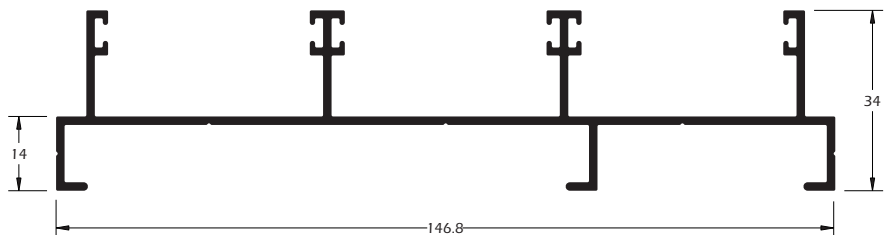
MG32-072 | 0,887 Kg/m | Marco lateral 3 folhas



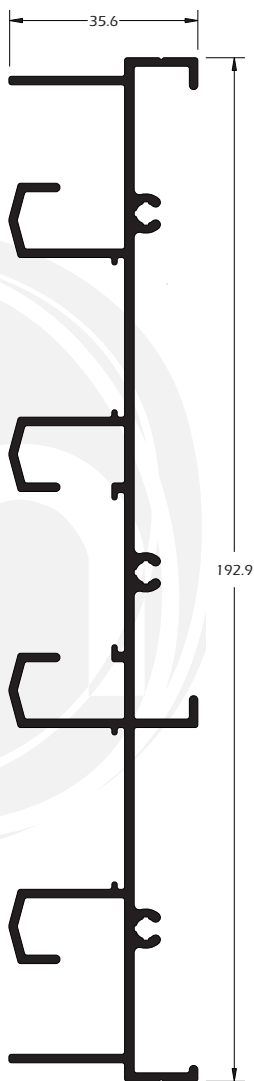
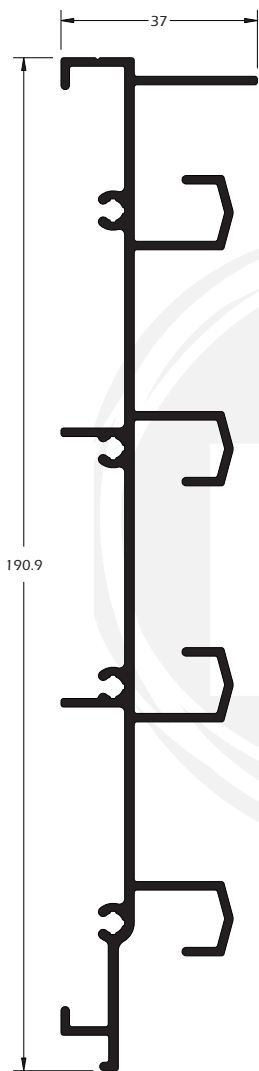
MG32-013 1,718 Kg/m Trilho superior correr 03 planos



MG32-015 1,524 Kg/m Trilho inferior de correr 03 planos



MG32-014 1,357 Kg/m Marco lateral com 03 mata juntas correr 03 planos



MG32-066

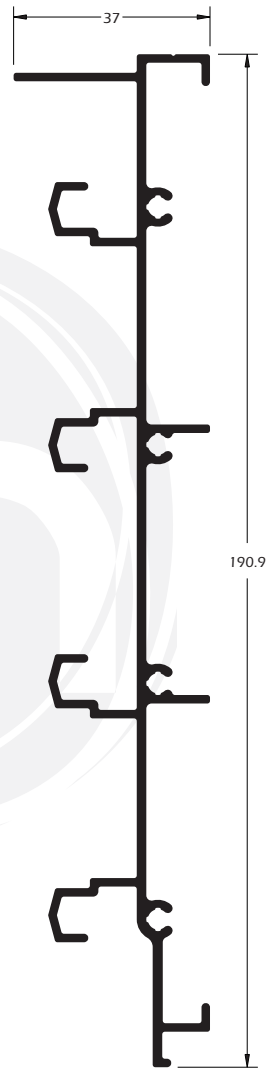
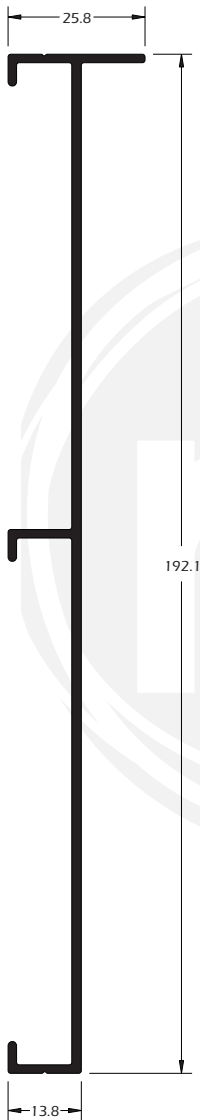
1,967 Kg/m

Trilho inferior correr 04 planos

MG32-065

2,117 Kg/m

Trilho superior correr 04 planos



MG32-067

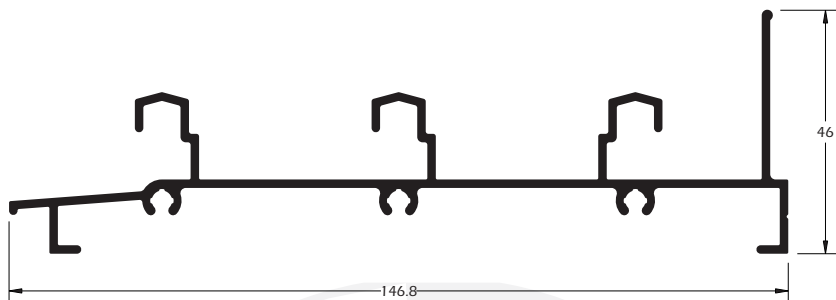
1,163 Kg/m

Marco lateral 04 planos

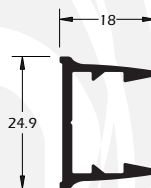
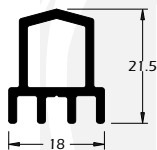
MG32-085

1,979 Kg/m

Trilho inferior correr 04 folhas

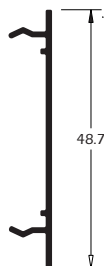
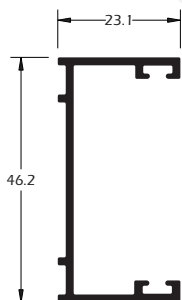


MG32-084 | 1,470 Kg/m | Trilho inferior correr 03 folhas



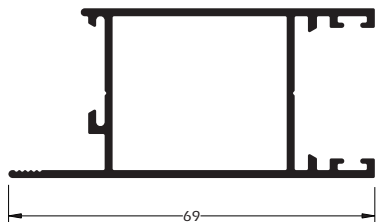
MG32-052 | 0,318 Kg/m | Trilho único

MG32-111 | 0,282 Kg/m | Mata junta lateral



MG32-024 | 0,430 Kg/m | Mata junta

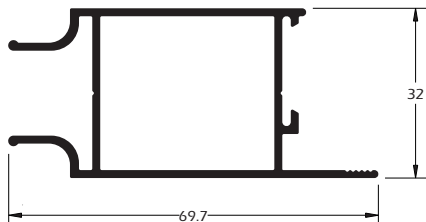
MG32-003 | 0,206 Kg/m | Tampa da mata junta



MG32-087

0,843 Kg/m

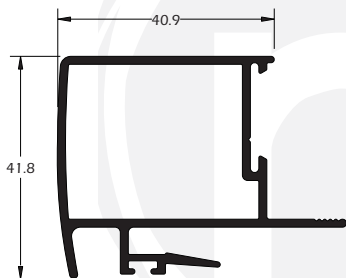
Montante lateral da folha



MG32-088

0,825 Kg/m

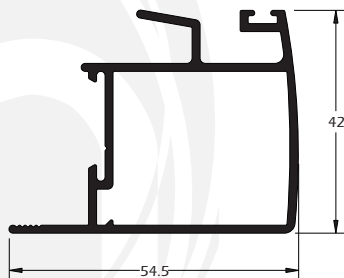
Montante central da folha



MG32-090

0,806 Kg/m

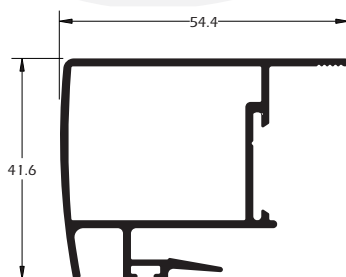
Montante central interno da folha
com mão de amigo



MG32-112

0,815 Kg/m

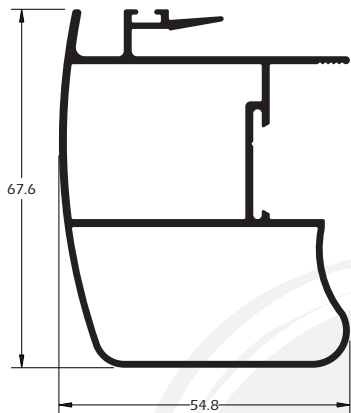
Montante central interno



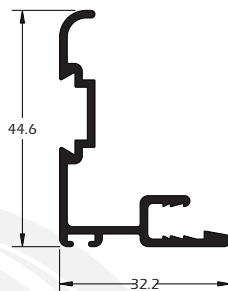
MG32-091

0,808 Kg/m

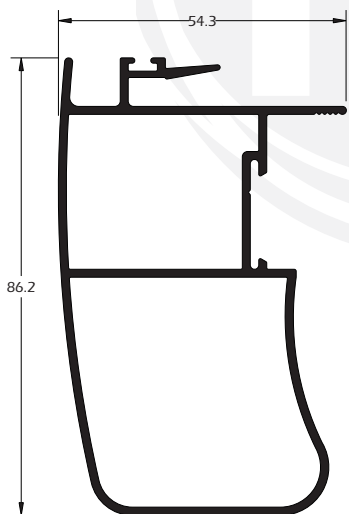
Montante central externo da folha
com mão de amigo



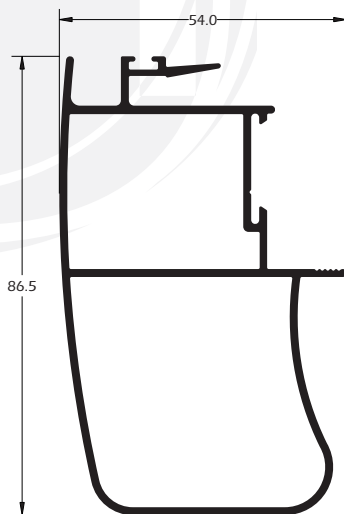
MG32-092 1,185 Kg/m Montante bi-tubular acabado central interno da folha



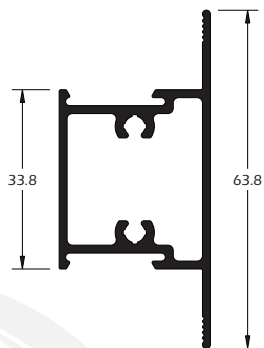
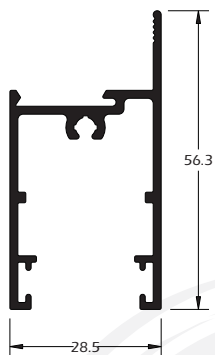
MG32-079 0,450 Kg/m Complemento do montante central para fixar na parede



MG32-093 1,331 Kg/m Montante bi-tubular acabado central interno da folha



MG32-094 1,331 Kg/m Montante bi-tubular acabado central externo da folha



MG32-020

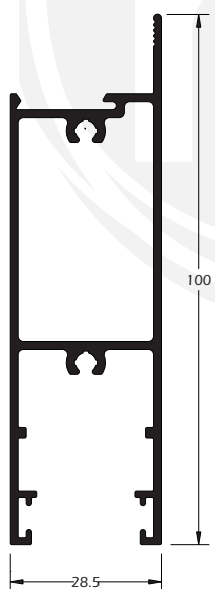
0,647 Kg/m

Travessa da folha

MG32-009

0,750 Kg/m

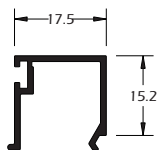
Travessa central da folha



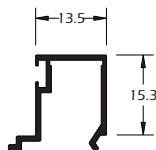
MG32-021

1,161 Kg/m

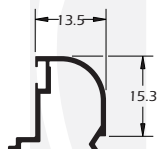
Montante inferior da
folha com 100 mm



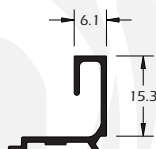
MG32-012 0,173 Kg/m Baguete



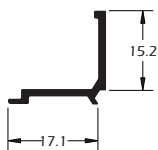
MG32-025 0,155 Kg/m Baguete



MG32-028 0,141 Kg/m Baguete



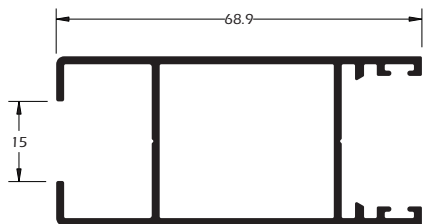
MG32-027 0,142 Kg/m Baguete



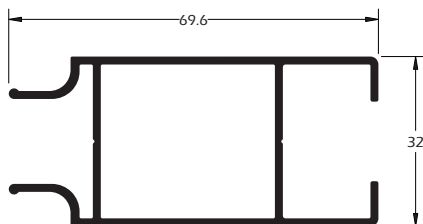
MG32-028 0,141 Kg/m Baguete



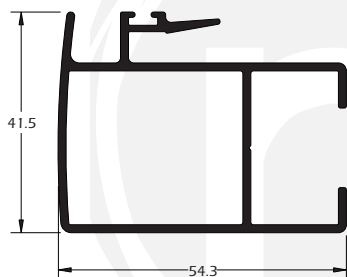
MG32-086 0,114 Kg/m Complemento do trilho inferior



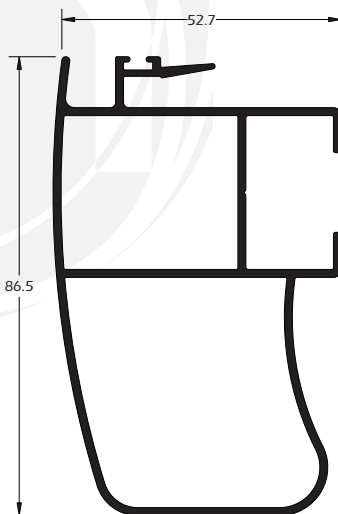
MG32-097 0,922 kg/m Montante lateral sem baguete



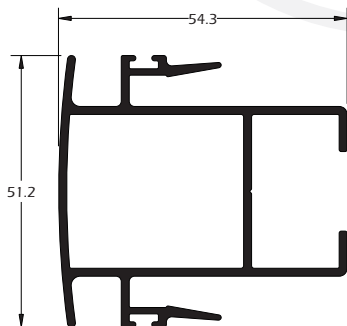
MG32-098 0,904 kg/m Montante central sem baguete



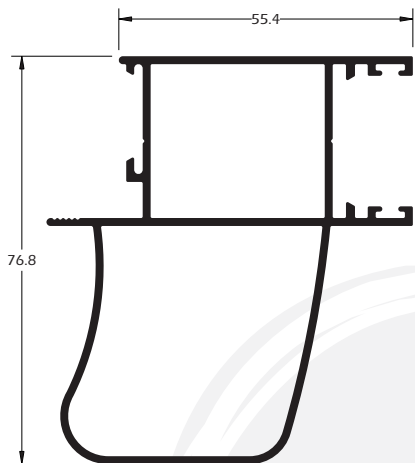
MG32-099 0,886 Kg/m Montante central sem baguete



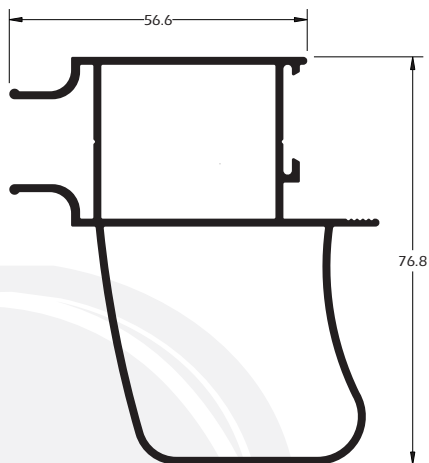
MG32-102 1,399 Kg/m Montante central com reforço sem baguete



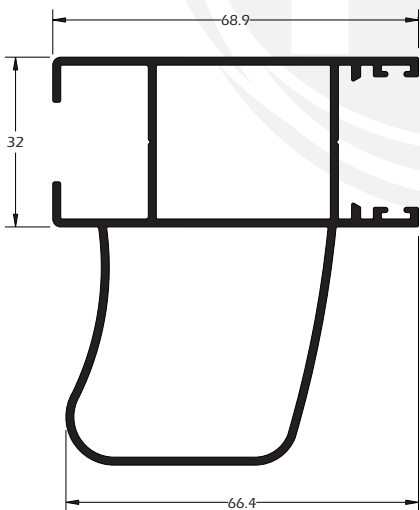
MG32-113 1,050 Kg/m Montante central duplo



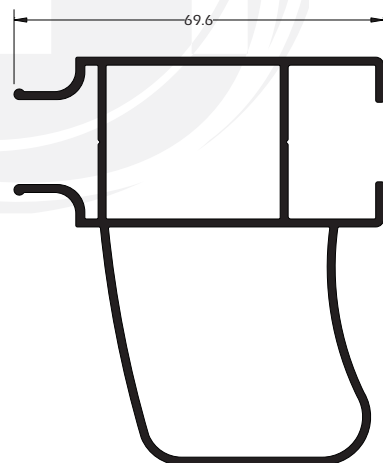
MG32-095 1,574 Kg/m Montante bi-tubular acabado lateral da folha



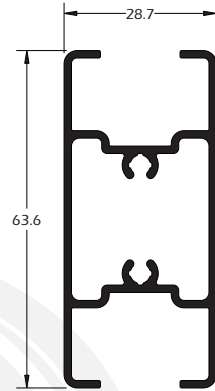
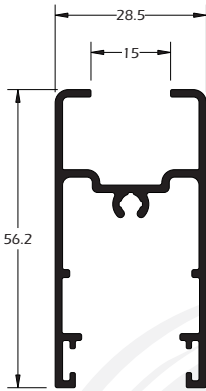
MG32-096 1,335 Kg/m Montante bi-tubular acabado central da folha



MG32-100 1,433 Kg/m Montante lateral com reforço sem baguete



MG32-101 1,415 Kg/m Montante central com reforço sem baguete



MG32-103

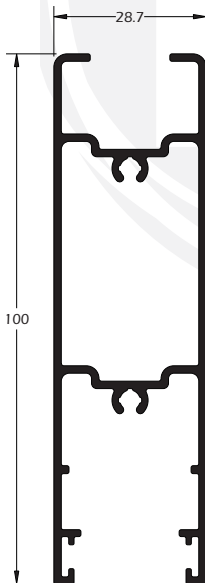
0,682 Kg/m

Travessa da folha sem baguete

MG32-104

0,868 Kg/m

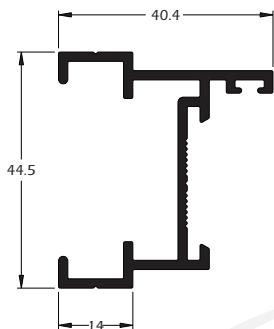
Travessa intermediária da folha sem baguete



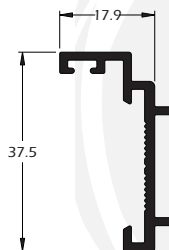
MG32-105

1,180 Kg/m

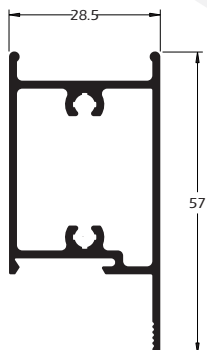
Travessa inferior da folha sem baguete



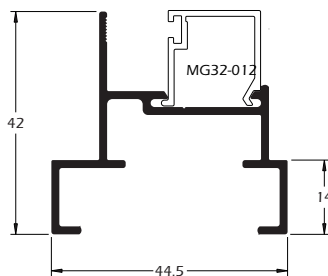
MG32-010 | 0,658 Kg/m | Marco da folha de giro



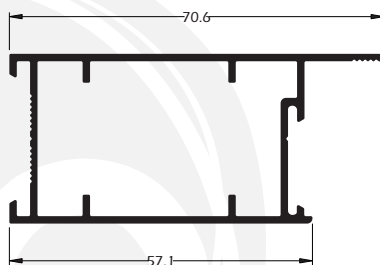
MG32-029 | 0,342 Kg/m | Batedeira da folha de giro



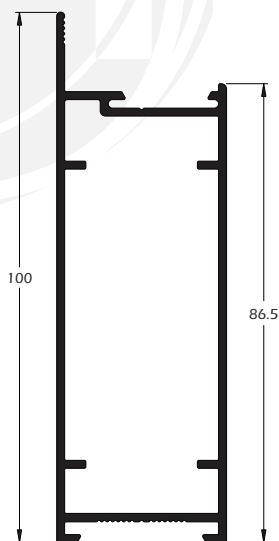
MG32-026 | 0,750 Kg/m | Travessa superior da folha de giro



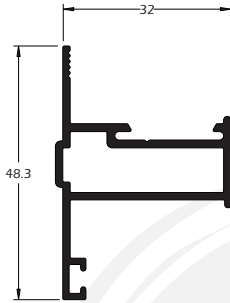
MG32-051 | 0,549 Kg/m | Marco do fixo



MG32-011A | 0,810 Kg/m | Montante da folha de giro 45° com 70 mm



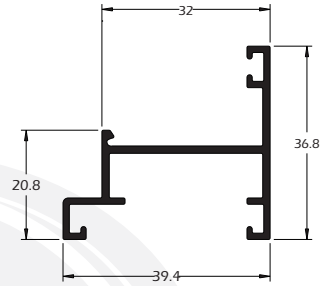
MG32-047 | 0,949 Kg/m | Montante da folha de giro 45° com 100 mm



MG32-157

0,537 Kg/m

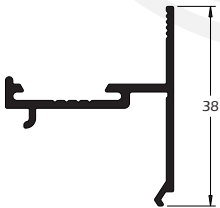
Montante perimetral



MG32-174

0,417 Kg/m

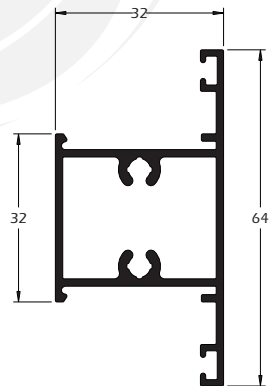
Marco perimetral



MG32-175

0,328 Kg/m

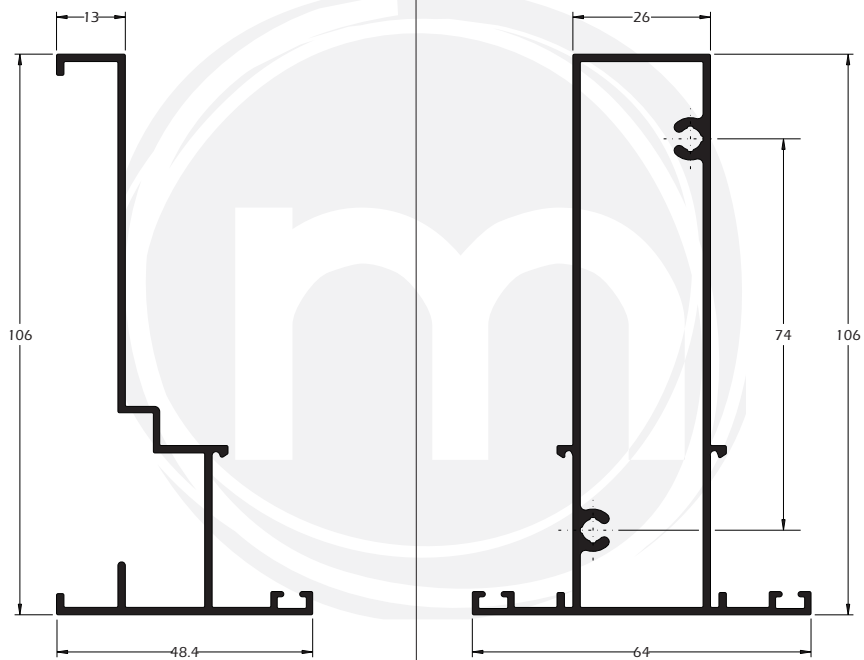
Reversor do marco



MG32-158

0,781 Kg/m

Travessa do marco



MG32-173

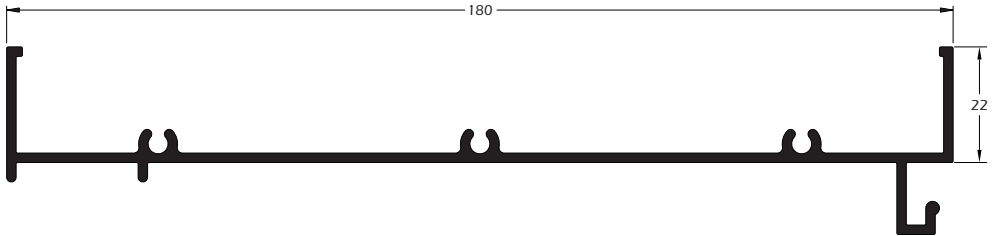
0,766 Kg/m

Travessa do marco

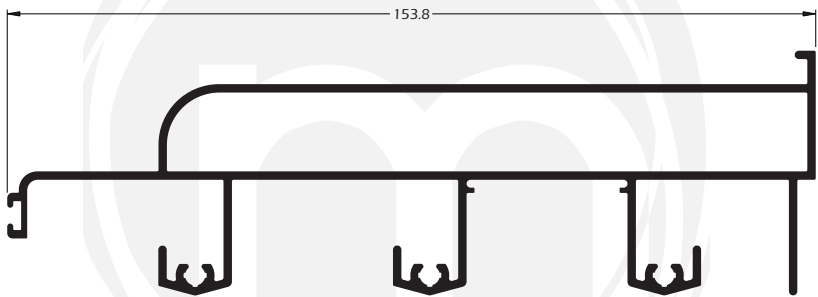
MG32-159

1,342 Kg/m

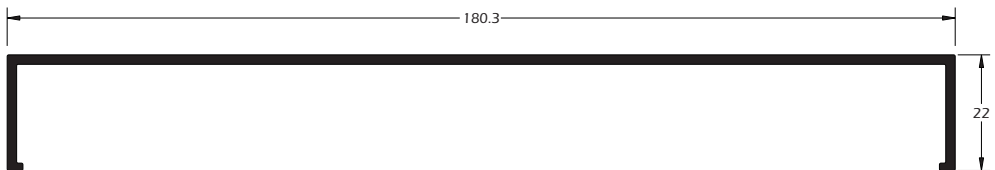
Coluna do marco



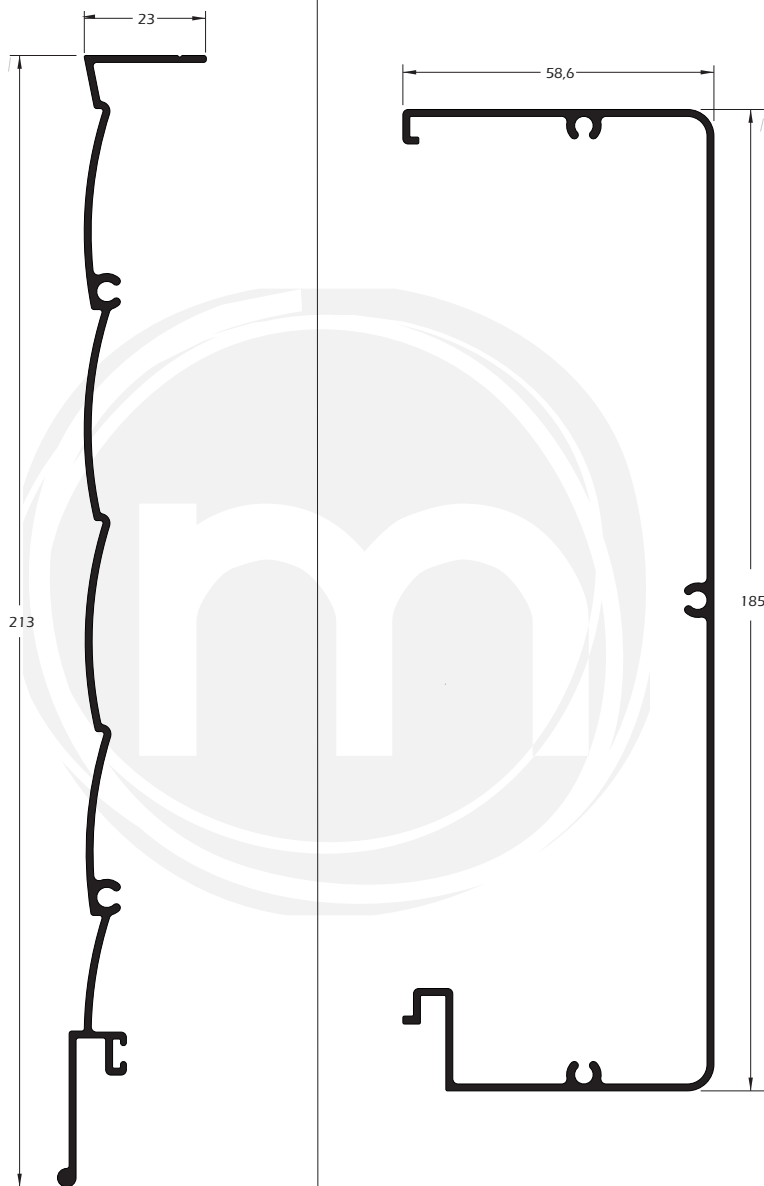
MG32-041 1,274 Kg/m Marco superior da caixa integrada 03 planos



MG32-034 2,142 Kg/m Trilho superior da janela integrada 03 planos



MG32-035 1,085 Kg/m Marco lateral da integrada 03 planos



MG32-070

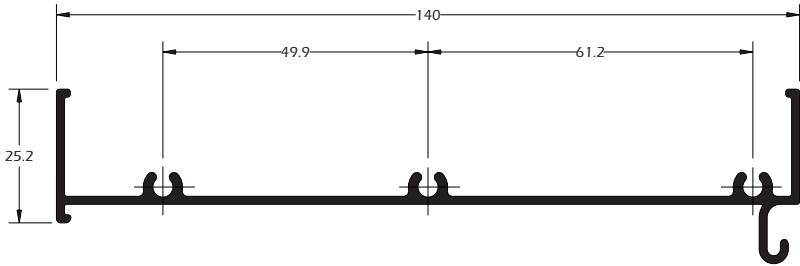
1,005 Kg/m

Tampa externa de 213 mm integrada

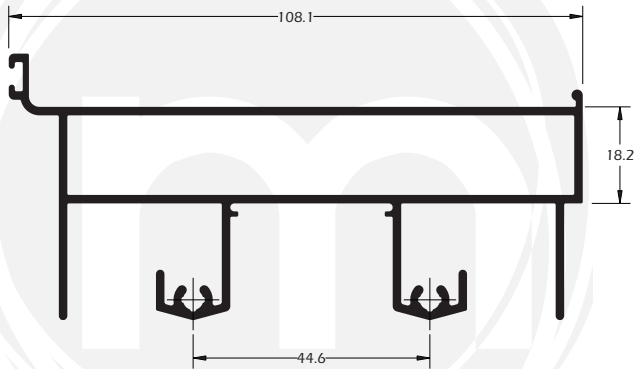
MG32-068

1,214 Kg/m

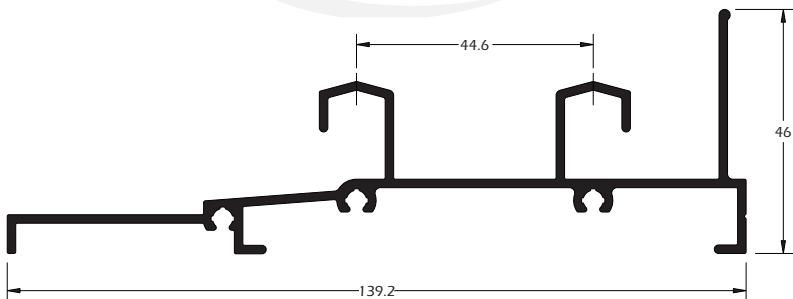
Tampa interna com 58,6 mm sobressalente da caixa integrada



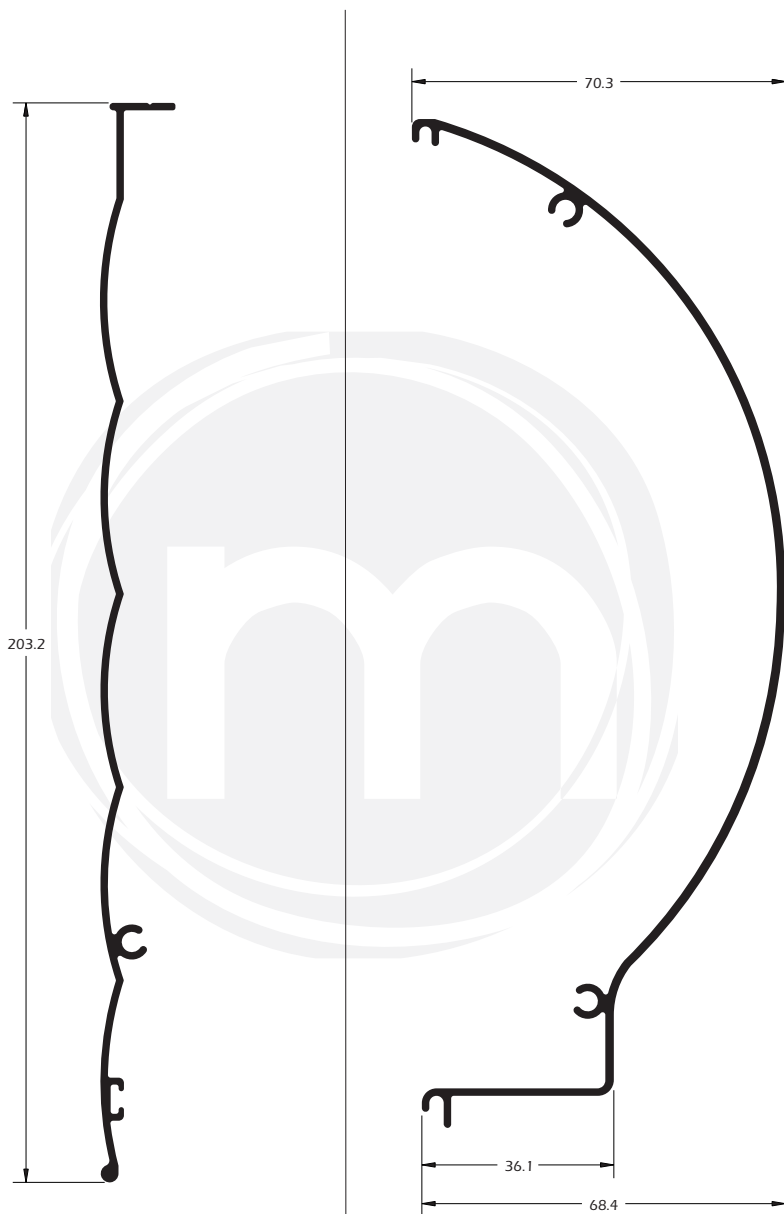
MG32-106 0,969 Kg/m Marco superior integrada



MG32-107 1,714 Kg/m Trilho intermediário 02 folhas integrada

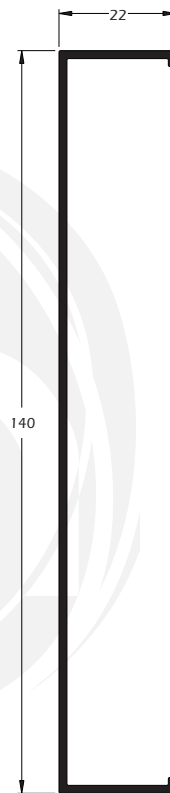
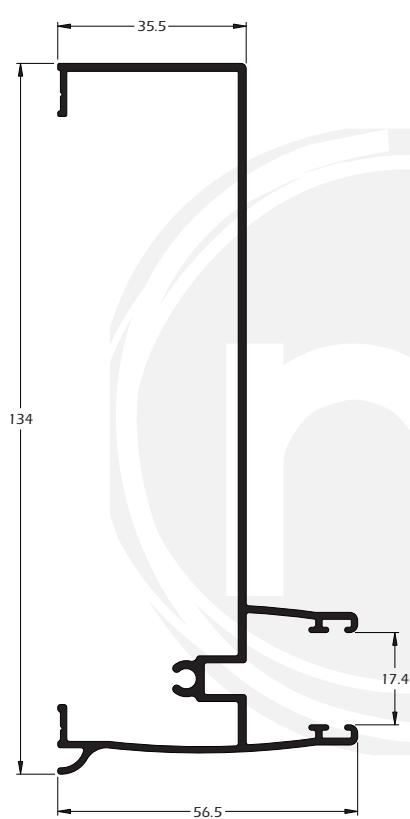


MG32-061 1,332 Kg/m Trilho inferior da janela integrada 02 planos



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

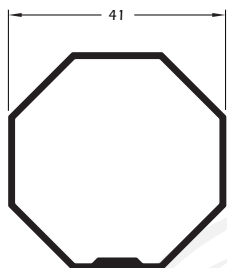
MG32-110 | 1,274 Kg/m | Tampa interna integrada



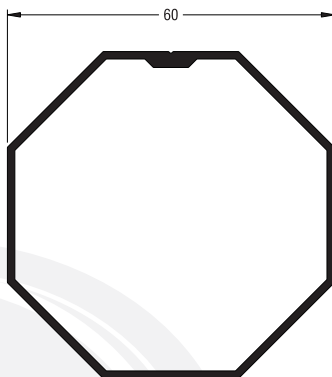
MG32-108 1,148 Kg/m Complemento lateral da integrada

MG32-059 1,017 Kg/m

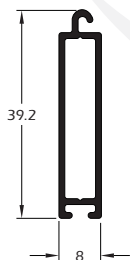
Marco superior da caixa integrada 02 planos



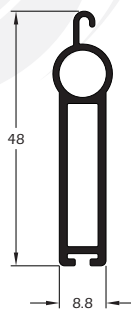
MG32-063 | 0,489 Kg/m | Tubo octogonal de 40 mm



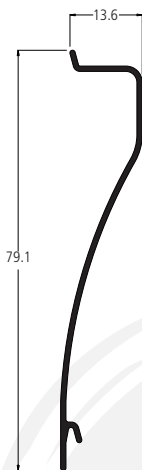
MG32-032 | 0,792 Kg/m | Tubo octogonal de 60 mm



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-015

0,265 Kg/m

Palheta veneziana 15 mm

VA-015F

0,265 Kg/m

Palheta veneziana 15 mm usinada



VA-017

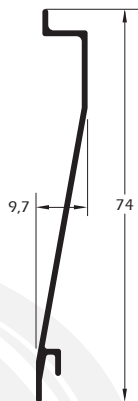
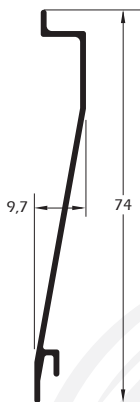
0,274 Kg/m

Palheta veneziana 17 mm

VA-017F

0,274 Kg/m

Palheta veneziana 17 mm usinada



VA-024

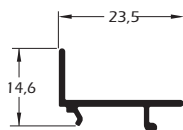
0,271 Kg/m

Palheta veneziana 9,7 mm

VA-024F

0,271 Kg/m

Palheta veneziana 9,7 mm usinada



MG25-292

0,142 Kg/m

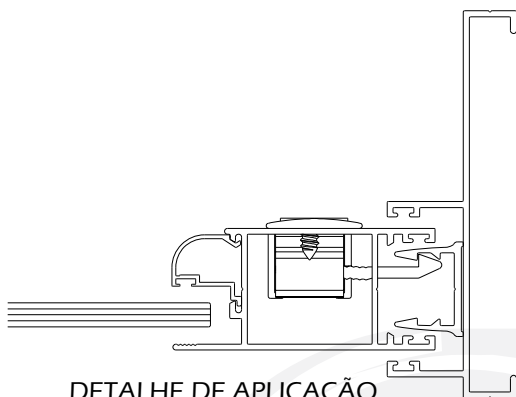
Baguete porta palheta



ACESSÓRIOS

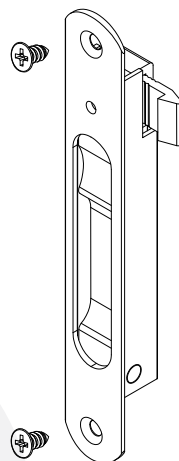
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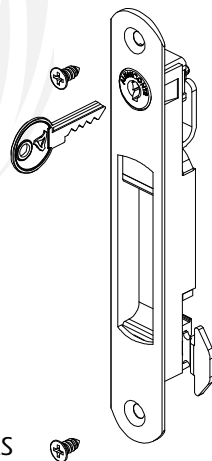
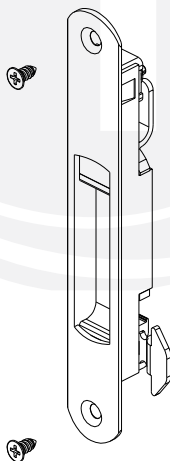
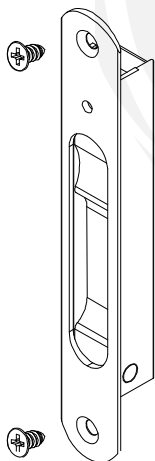


DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
FECH10007PTO	Fecho automático para janela (preto)
FECH10007FCO	Fecho automático para janela (fosco)
FECH10007BZE	Fecho automático para janela (bronze)
FECH10007BCO	Fecho automático para janela (branco)



PERSPECTIVA
sem escala



PERSPECTIVAS
sem escala

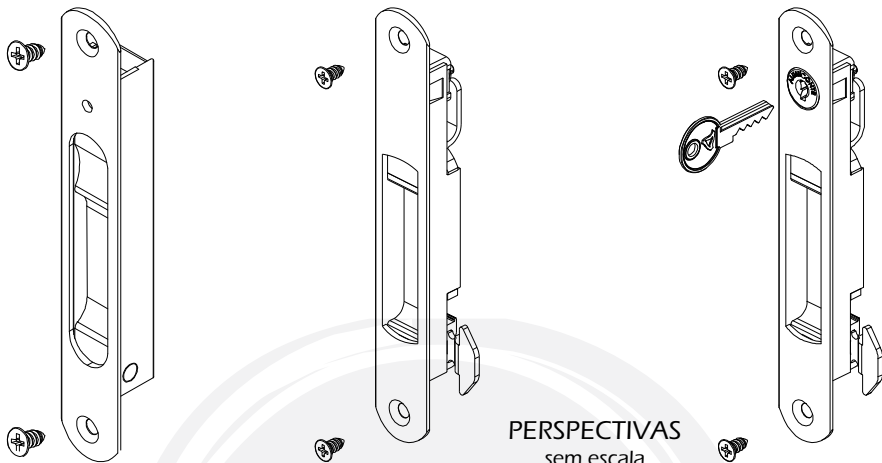
Código	Descrição
CONC00496PTO	Fecho conha (preto)
CONC00496BRO	Fecho conha (branco)

Código	Descrição
FECH01127PTO	Fecho manual (preto)
FECH01127BCO	Fecho manual (branco)

Código	Descrição
FECH01129PTO	Fecho autom. (preto)
FECH01129BCO	Fecho autom. (branco)

Código (ver tabela)

Fechos para janela



PERSPECTIVAS
sem escala

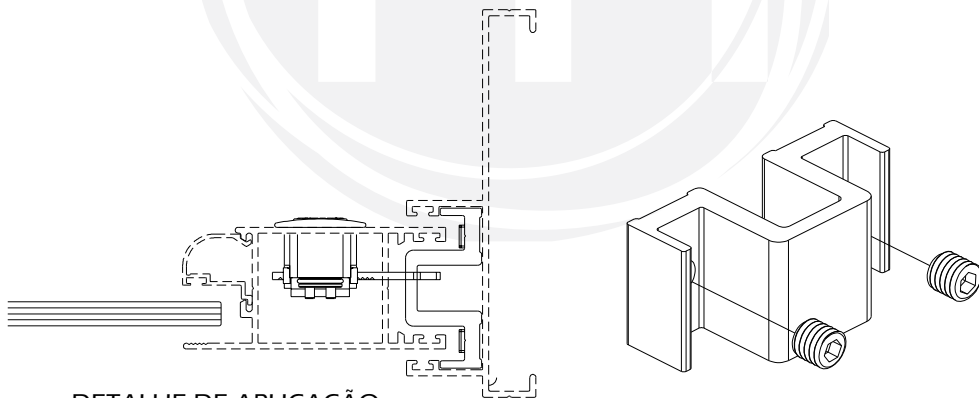
Código	Descrição
FECH01127PTO	Fecho conha (preto)
FECH01127BCO	Fecho conha (branco)

Código	Descrição
FECH01128PTO	Fecho manual (preto)
FECH01128BCO	Fecho manual (branco)

Código	Descrição
FECH01130PTO	Fecho autom. (preto)
FECH01130BCO	Fecho autom. (branco)

Código (ver tabela)

Fechos para porta



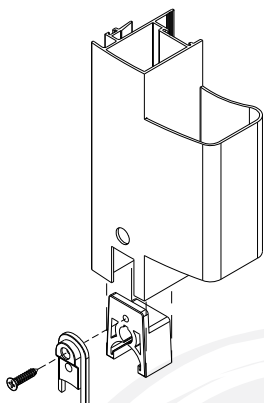
DETALHE DE APLICAÇÃO
sem escala

PERSPECTIVA
sem escala

Código	Descrição
CONT00383PTO	Fecho automático para porta (preto)
CONT00383BCO	Fecho automático para porta (branco)

Código (ver tabela)

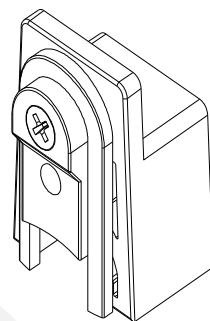
Contra fecho para porta



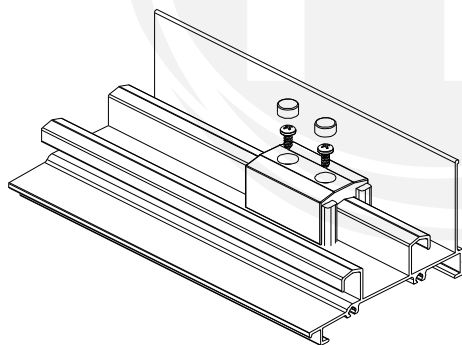
DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
GUIA10005PTO	Guia limitadora (preta)
GUIA10005CTO	Guia limitadora (branca)

Código (ver tabela) Guia limitadora



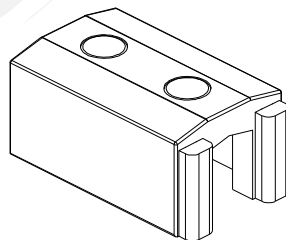
PERSPECTIVA
sem escala



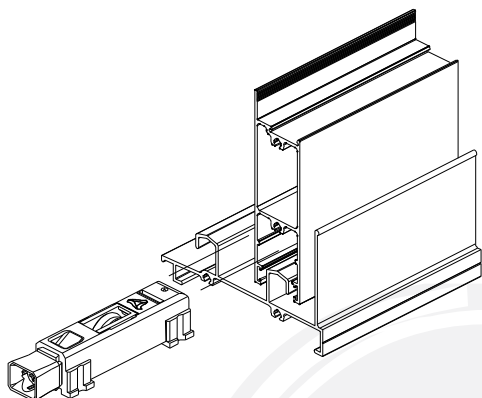
DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
NYLO00398PTO	Batedeira (preta)
NYLO00398BCO	Batedeira (branca)

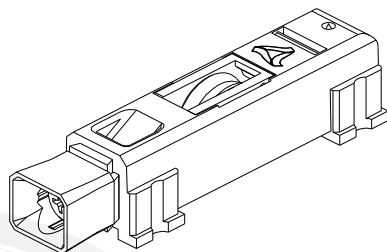
Código (ver tabela) Batedeira



PERSPECTIVA
sem escala



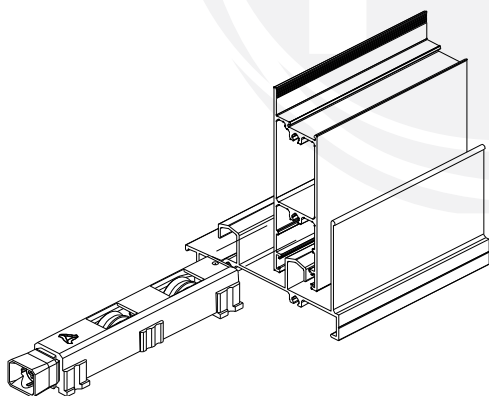
DETALHE DE APLICAÇÃO
sem escala



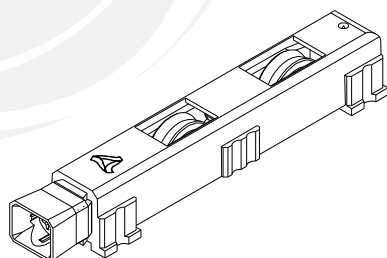
PERSPECTIVA
sem escala

ROLD00468FCO

Roldana simples com rolamento e regulagem (preta)



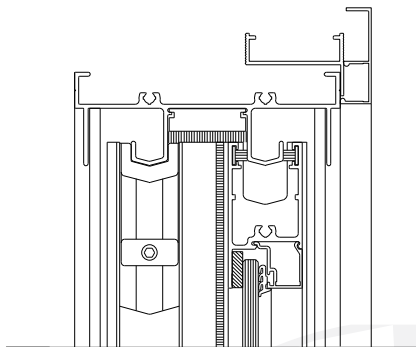
DETALHE DE APLICAÇÃO
sem escala



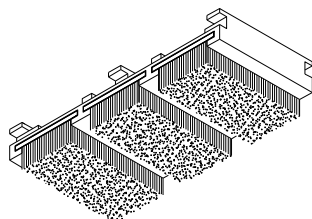
PERSPECTIVA
sem escala

ROLD00414FCO

Roldana dupla com rolamento e regulagem



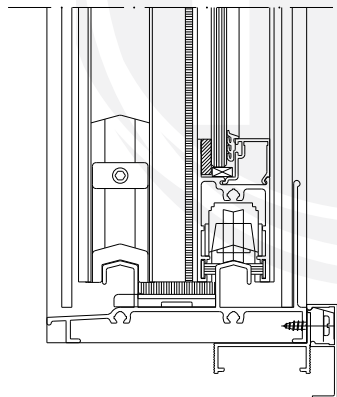
DETALHE DE APLICAÇÃO
sem escala



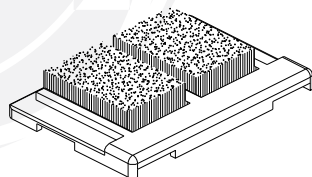
PERSPECTIVA
sem escala

Código	Descrição
VEDA00381PTO	Vedação superior (preta)
VEDA00381BCO	Vedação superior (branca)

Código (ver tabela)	Vedação superior
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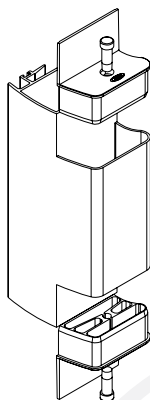
DETALHE DE APLICAÇÃO
sem escala



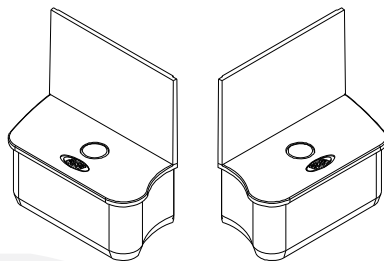
PERSPECTIVA
sem escala

Código	Descrição
NYLO00395PTO	Vedação inferior (preta)
NYLO00395BCO	Vedação inferior (branca)

Código (ver tabela)	Vedação inferior
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DETALHE DE APLICAÇÃO
sem escala

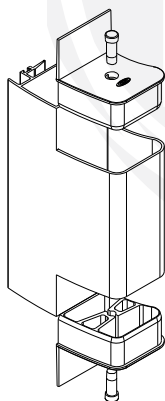


PERSPECTIVA
sem escala

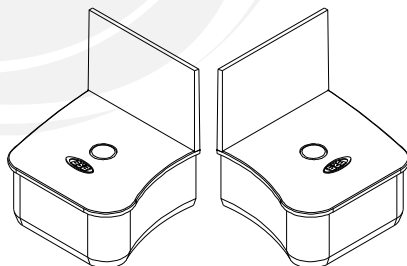
Código	Descrição
TAMP10019PTO	Tampa do montante (preta)
TAMP10019BCO	Tampa do montante (branca)

Código (ver tabela)

Tampa do montante inferior e superior



DETALHE DE APLICAÇÃO
sem escala

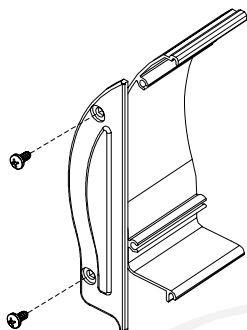


PERSPECTIVA
sem escala

Código	Descrição
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TAMP10020BCO	Tampa do montante (branca)

Código (ver tabela)

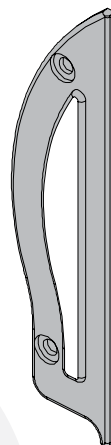
Tampa do montante inferior e superior



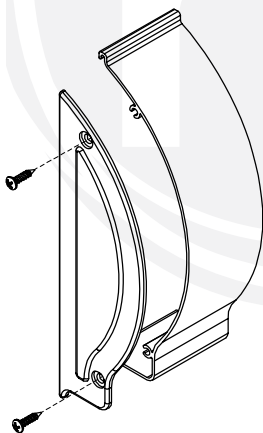
DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
TAMP10014PTO	Tampa lateral da janela c/persiana (preta)
TAMP10014BCO	Tampa lateral da janela c/persiana (branca)

Código (ver tabela) | Tampa lat. da janela c/persiana integrada



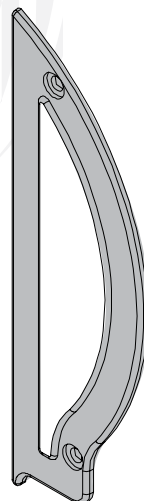
PERSPECTIVA
sem escala



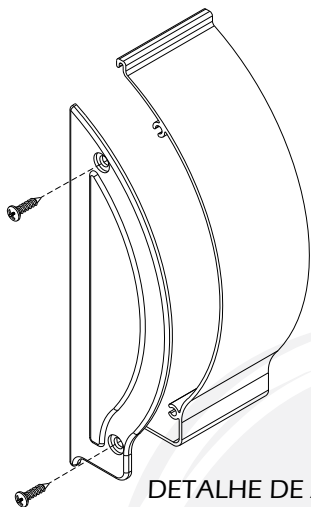
DETALHE DE APLICAÇÃO
sem escala

Código	Descrição
TAMP10016PTO	Tampa lateral da janela c/persiana (preta)
TAMP10016BCO	Tampa lateral da janela c/persiana (branca)

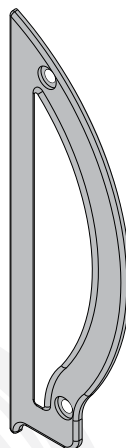
Código (ver tabela) | Tampa lat. da janela c/persiana integrada



PERSPECTIVA
sem escala



DETALHE DE APLICAÇÃO
sem escala

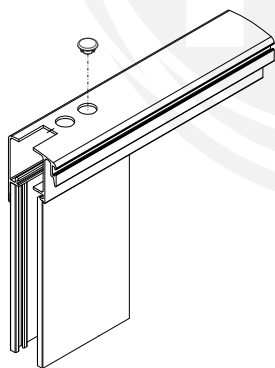


PERSPECTIVA
sem escala

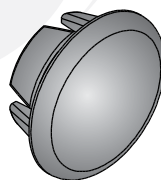
Código	Descrição
TAMP10018PTO	Tampa lateral da porta com persiana (preta)
TAMP10018BCO	Tampa lateral da porta com persiana (branca)

Código (ver tabela)

Tampa lat. da porta com persiana integrada



DETALHE DE APLICAÇÃO
sem escala

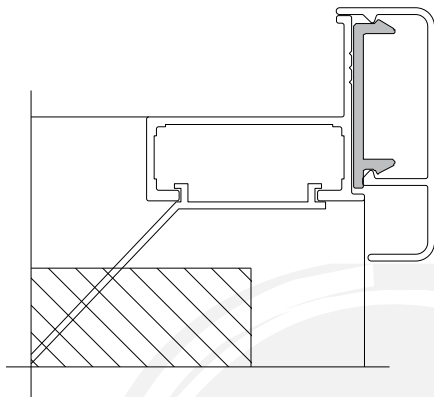


PERSPECTIVA
sem escala

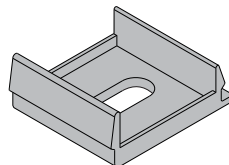
Código	Descrição
NYLO00420PTO	Botão tampa furo (preto)
NYLO00420BCO	Botão tampa furo (branco)

Código (ver tabela)

Botão tampa furo



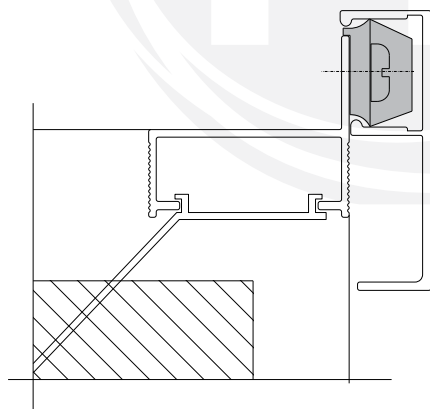
DETALHE DE APLICAÇÃO
sem escala



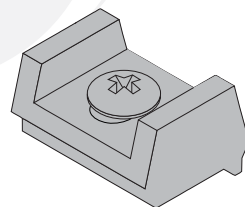
PERSPECTIVA
sem escala

PREO0965PTO

Presilha do arremate



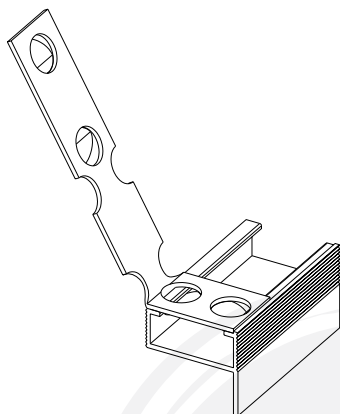
DETALHE DE APLICAÇÃO
sem escala



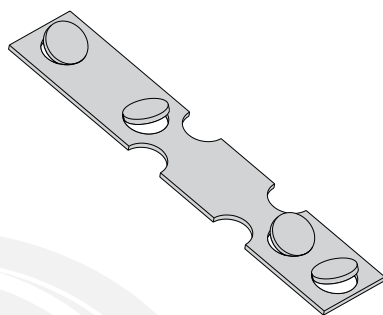
PERSPECTIVA
sem escala

NYLO0190PTO

Presilha do arremate



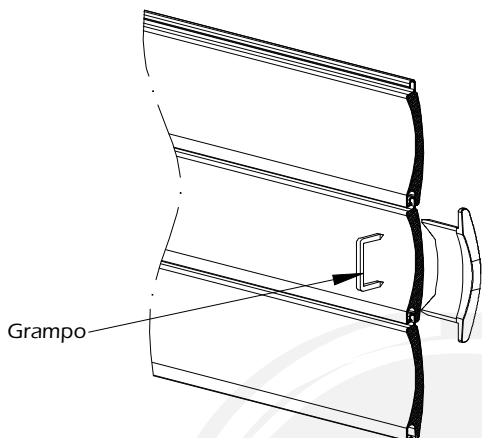
DETALHE DE APLICAÇÃO
sem escala



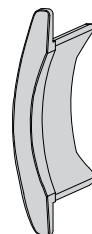
PERSPECTIVA
sem escala

CHU-00787

Chumbador para contramarcos (natural)



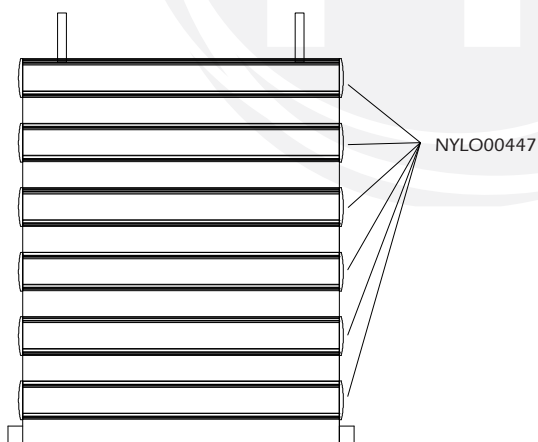
DETALHE DE APLICAÇÃO
sem escala



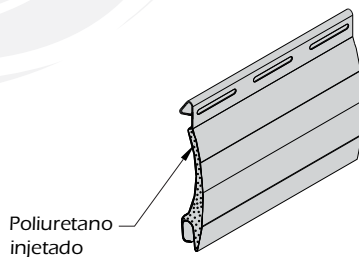
PERSPECTIVA
sem escala

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

Código (ver tabela)	Tampa lateral da palheta
---------------------	--------------------------

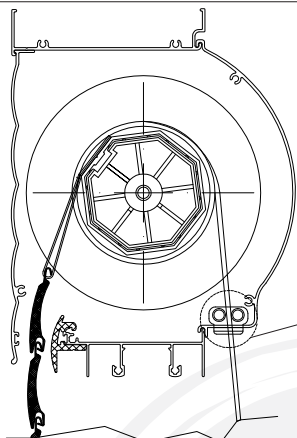


DETALHE DE APLICAÇÃO
sem escala

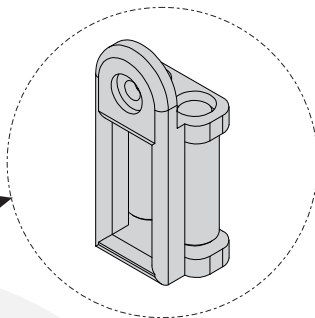


PERSPECTIVA
sem escala

Palheta	Esteira montada
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DETALHE DE APLICAÇÃO
sem escala

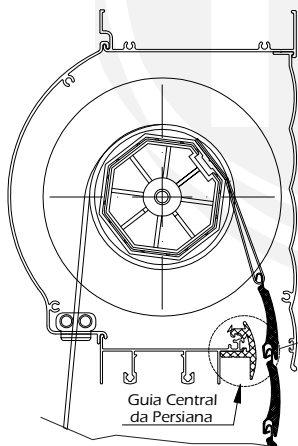


PERSPECTIVA
sem escala

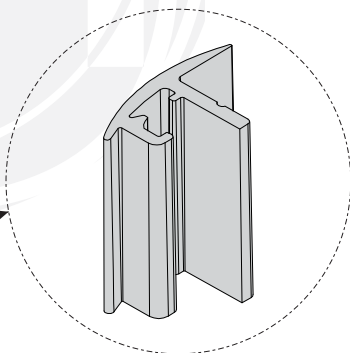
Código	Descrição
GUIA10002PTO	Guia da cinta do recolhedor (preta)
GUIA10002BCO	Guia da cinta do recolhedor (branca)

Código (ver tabela)

Guia da cinta do recolhedor em poliamida



DETALHE DE APLICAÇÃO
sem escala

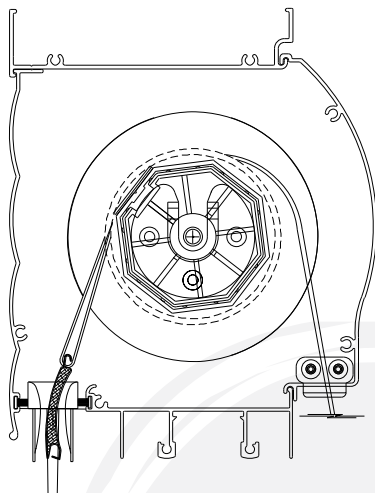


PERSPECTIVA
sem escala

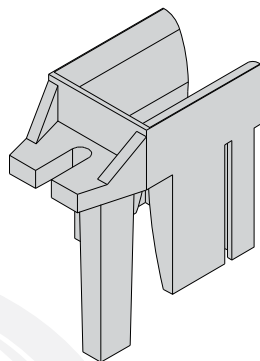
Código	Descrição
GUIA10003PTO	Guia central da persiana em poliamida (preta)
GUIA10003BCO	Guia central da persiana em poliamida (branca)

Código (ver tabela)

Guia central da persiana em poliamida



DETALHE DE APLICAÇÃO
sem escala

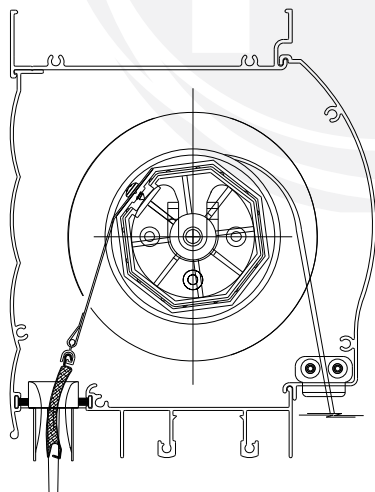


PERSPECTIVA
sem escala

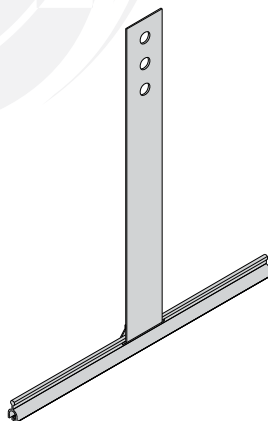
Código	Descrição
NYLO00370PTO	Guia da persiana em poliamida (preto)
NYLO00370BCO	Guia da persiana em poliamida (branco)

Código (ver tabela)

Guia da persiana em poliamida



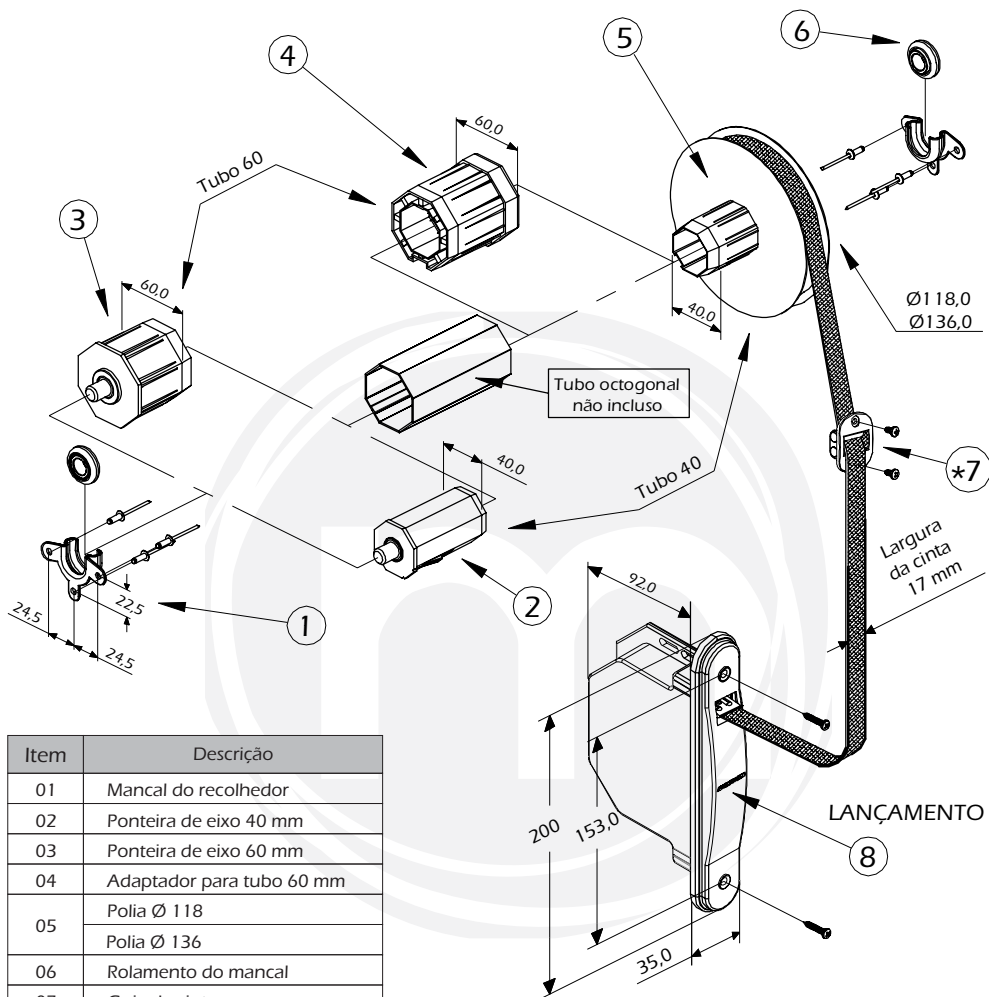
DETALHE DE APLICAÇÃO
sem escala



PERSPECTIVA
sem escala

FITO007490

Mola de segurança para fixação da esteira

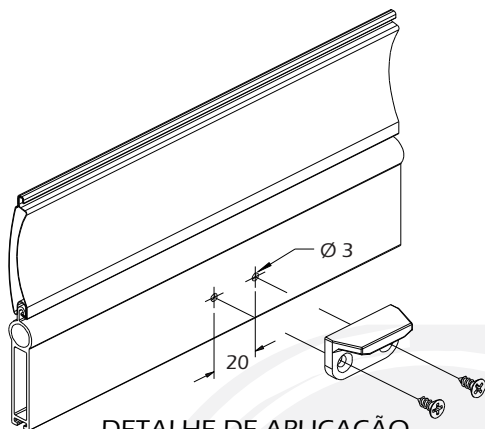


Item	Descrição
01	Mancal do recolhedor
02	Ponteira de eixo 40 mm
03	Ponteira de eixo 60 mm
04	Adaptador para tubo 60 mm
05	Polia Ø 118
	Polia Ø 136
06	Rolamento do mancal
07	Guia da cinta
08	Máquina com espelho e caixa

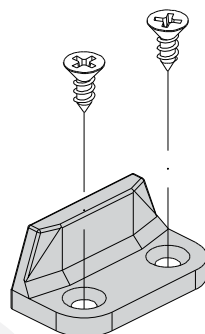
Código (preto)	Código (branco)	Tubo (mm)	Polia (mm)	Aplicação
REC-120	REC-120 EB	40	Ø 118	Janela
REC-121	REC-121 EB	40	Ø 136	Porta
REC-122	REC-122 EB	60	Ø 118	Janela
REC-123	REC-123 EB	60	Ø 136	Porta

Código (ver tabela)

Recolhedor



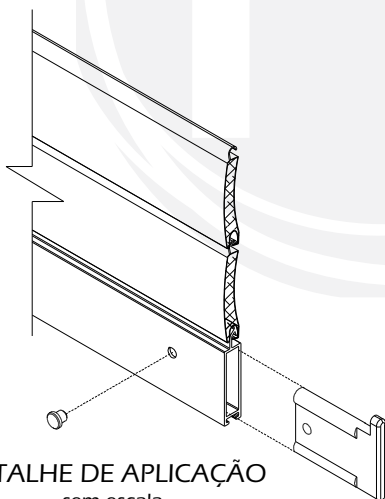
DETALHE DE APLICAÇÃO
sem escala



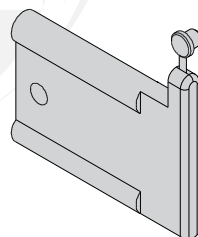
PERSPECTIVA
sem escala

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

Código (ver tabela)	Limitador de abertura
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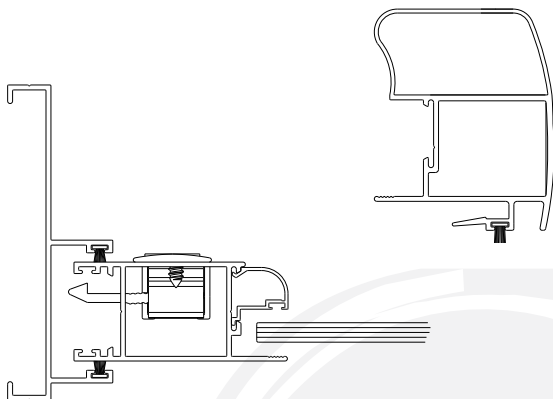
DETALHE DE APLICAÇÃO
sem escala



PERSPECTIVA
sem escala

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

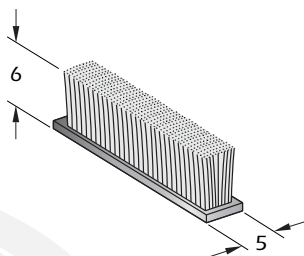
NYLO00369	Guia e limitador da persiana
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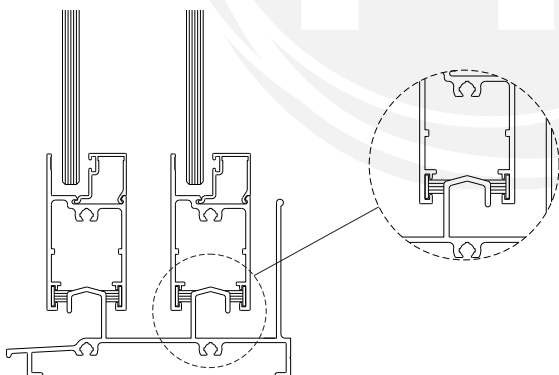
DETALHES DE APLICAÇÃO
sem escala

FITASB05X06BCO

Fita vedadora s/ barreira plástica 5 x 6 mm



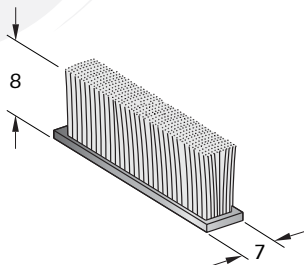
PERSPECTIVA
sem escala



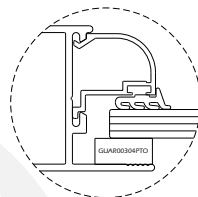
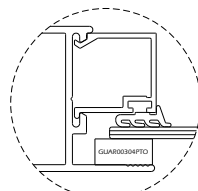
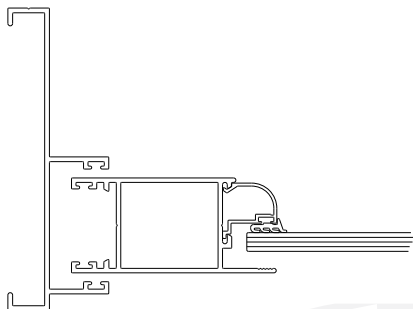
DETALHES DE APLICAÇÃO
sem escala

FITASB07X08BCO

Fita vedadora s/ barreira plástica 7 x 8 mm



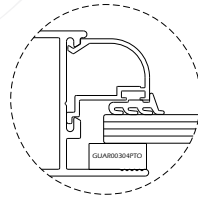
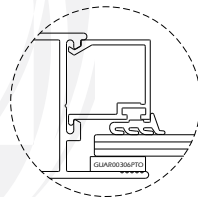
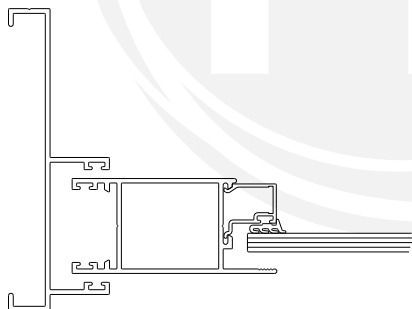
PERSPECTIVA
sem escala



Código	Descrição
GUAR00256PTO	Guarnição em EPDM (Vidro de 4mm) + GUAR00304PTO
	Guarnição em EPDM (Vidro de 6mm) + GUAR00304PTO

DETALHE DE APLICAÇÃO
sem escala

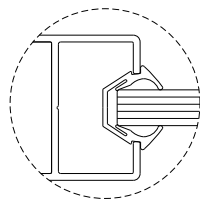
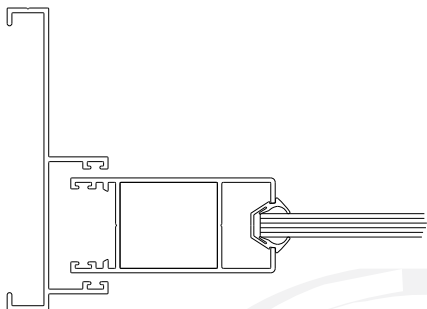
Código (ver tabela)	Guarnição em EPDM (preta)
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Código	Descrição
GUAR00259PTO	Guarnição em EPDM (Vidro de 6mm) + GUAR00306PTO
	Guarnição em EPDM (Vidro de 8mm) + GUAR00304PTO
	Guarnição em EPDM (Vidro de 10mm) + GUAR00306PTO

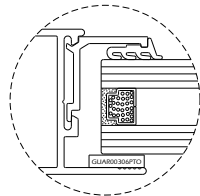
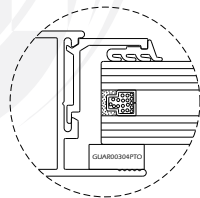
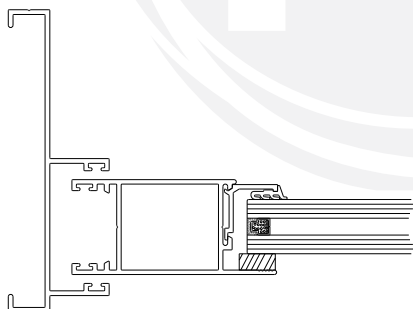
DETALHE DE APLICAÇÃO
sem escala

Código (ver tabela)	Guarnição em EPDM (preta)
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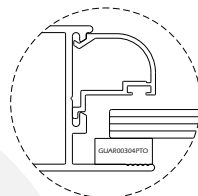
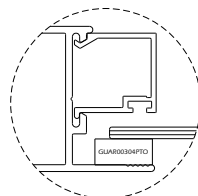
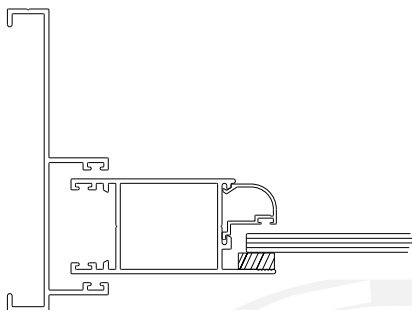
Código	Descrição
GUAR00385PTO	Guarnição em EPDM (Vidro 3 mm)
	Guarnição em EPDM (Vidro 4 mm)
GUAR00386PTO	Guarnição em EPDM (Vidro 5 mm)
	Guarnição em EPDM (Vidro 6 mm)
Código (ver tabela)	Guarnição em EPDM (preta)

DETALHE DE APLICAÇÃO
sem escala



Código	Descrição
GUAR00303PTO	Guarnição em EPDM (Vidro de 20mm) + GUAR00306PTO
	Guarnição em EPDM (Vidro de 17mm) + GUAR00304PTO
Código (ver tabela)	Guarnição em EPDM (preta)

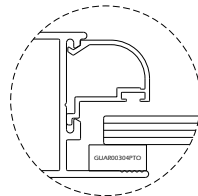
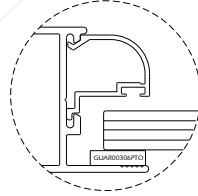
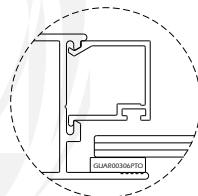
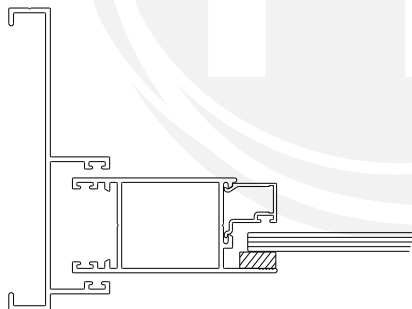
DETALHE DE APLICAÇÃO
sem escala



Código	Descrição
GUAR00304PTO	Guarnição em EPDM (Vidro de 4mm) + GUAR00256PTO
	Guarnição em EPDM (Vidro de 6mm) + GUAR00256PTO

DETALHES DE APLICAÇÃO
sem escala

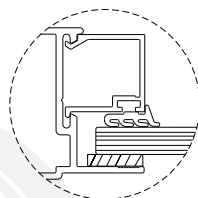
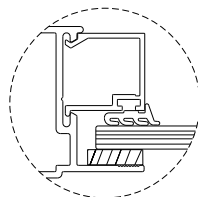
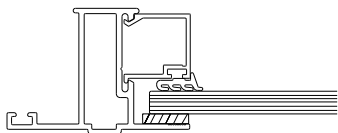
Código (ver tabela)	Guarnição em EPDM (preta)
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Código	Descrição
GUAR00306PTO	Guarnição em EPDM (Vidro de 6 mm)
	Guarnição em EPDM (Vidro de 10 mm)
GUAR00304PTO	Guarnição em EPDM (Vidro de 8 mm)

DETALHES DE APLICAÇÃO
sem escala

Código (ver tabela)	Guarnição em EPDM (preta)
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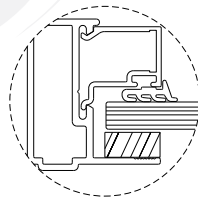
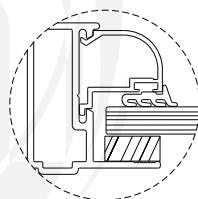
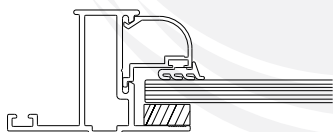


Código	Descrição
GUAR00259PTO	Guarnição em EPDM (Vidro de 4mm) + GUAR00304PTO
	Guarnição em EPDM (Vidro de 6mm) + GUAR00306PTO

Código (ver tabela)

Guarnição em EPDM (preta)

DETALHES DE APLICAÇÃO
sem escala



Código	Descrição
GUAR00256PTO	Guarnição em EPDM (Vidro de 6mm) + GUAR00304PTO
GUAR00259PTO	Guarnição em EPDM (Vidro de 8mm) + GUAR00304PTO
	Guarnição em EPDM (Vidro de 10 mm) + GUAR00306PTO

Código (ver tabela)

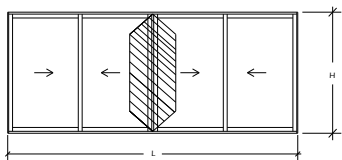
Guarnição em EPDM (preta)

DETALHES DE APLICAÇÃO
sem escala

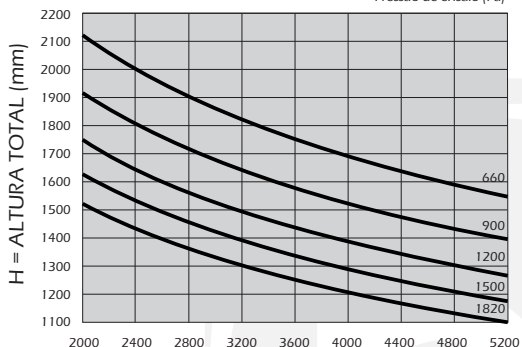


GRÁFICOS

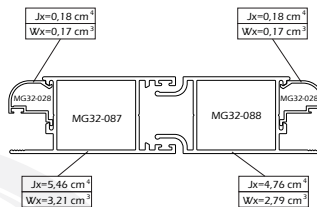
Central 4 Folhas



Pressão de ensaio (Pa)

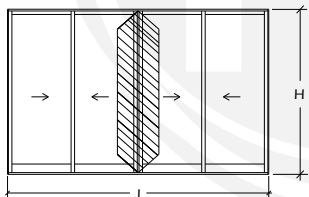


L = LARGURA TOTAL (mm)

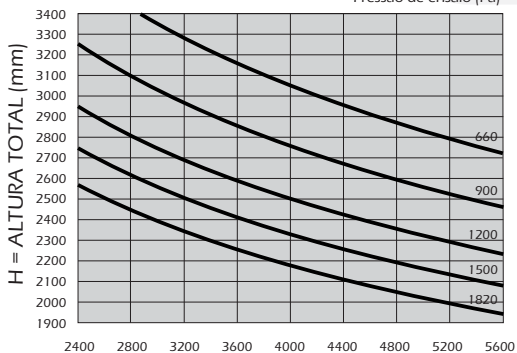


Jxt = 10,58 cm⁴

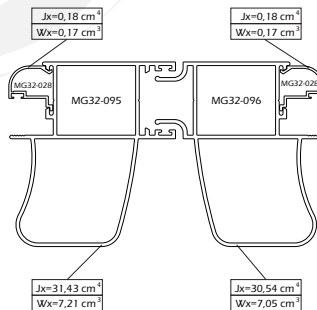
Central 4 folhas



Pressão de ensaio (Pa)

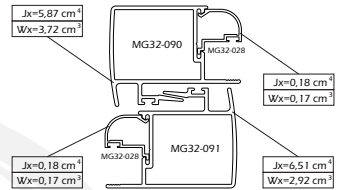
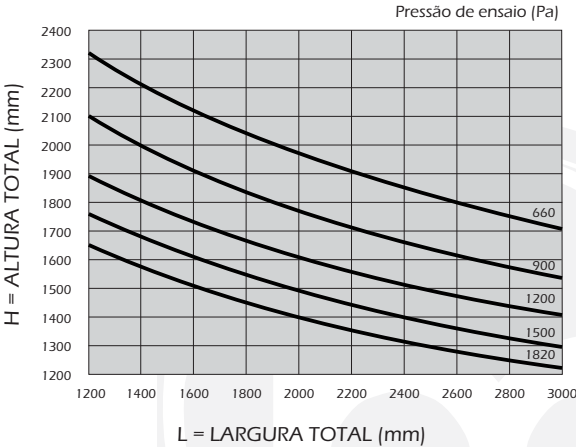
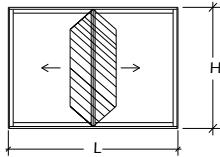


L = LARGURA TOTAL (mm)



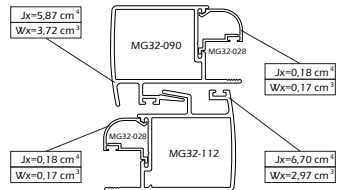
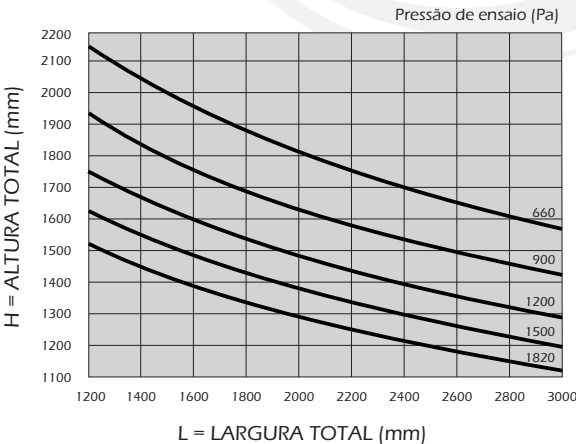
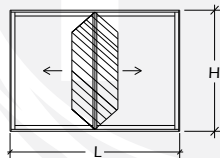
Jxt = 62,33 cm⁴

Montante Central



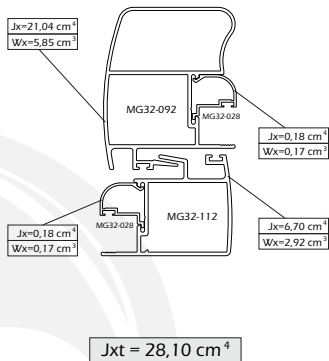
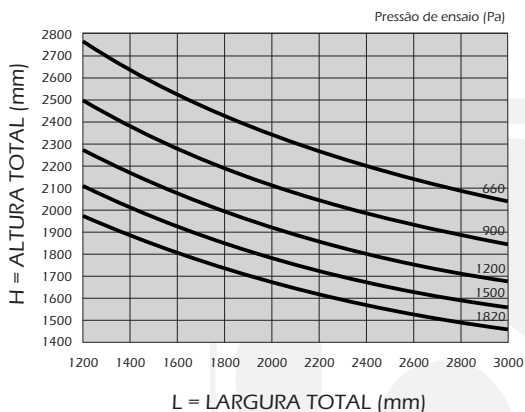
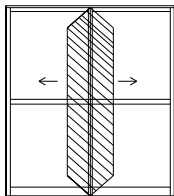
$J_{xt} = 12,74 \text{ cm}^4$

Montante Central

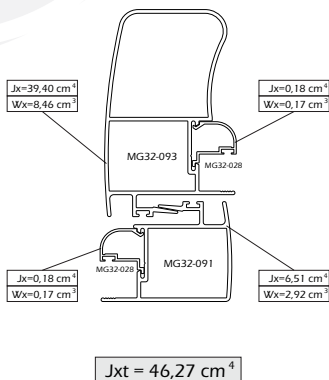
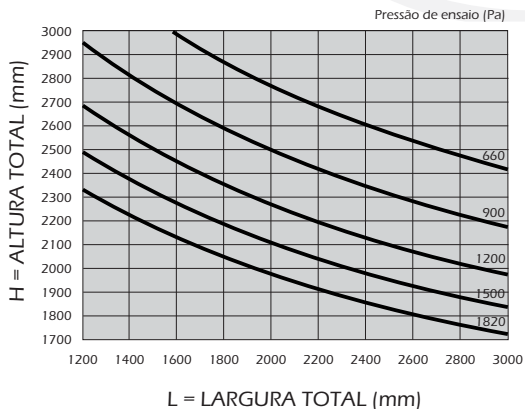
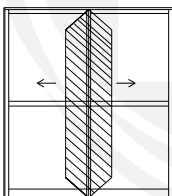


$J_{xt} = 12,93 \text{ cm}^4$

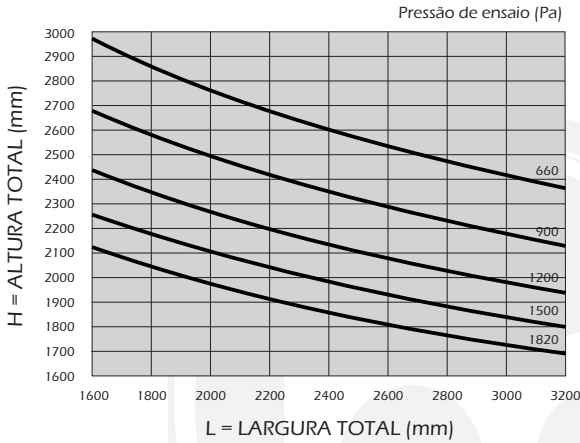
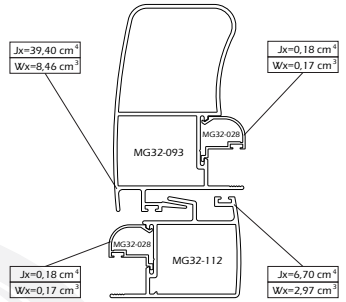
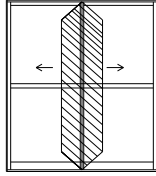
Montante central



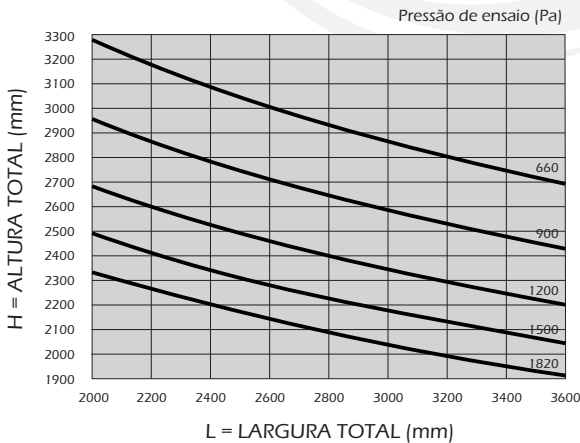
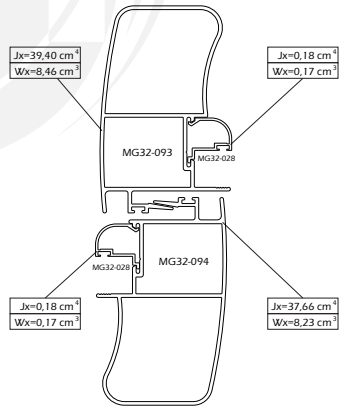
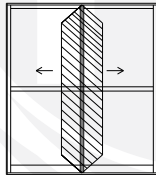
Montante Central



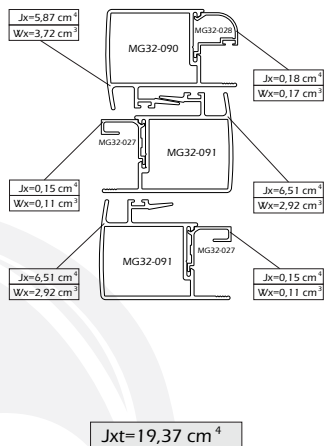
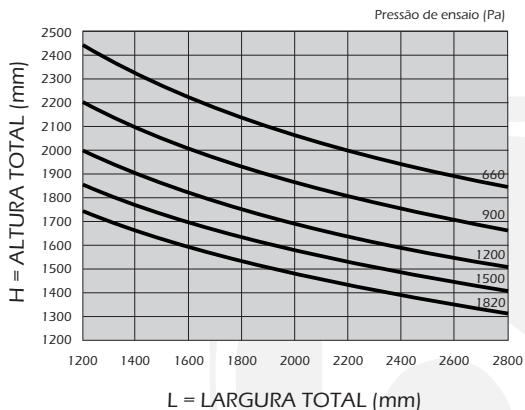
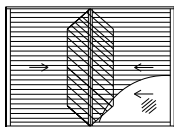
Montante Central



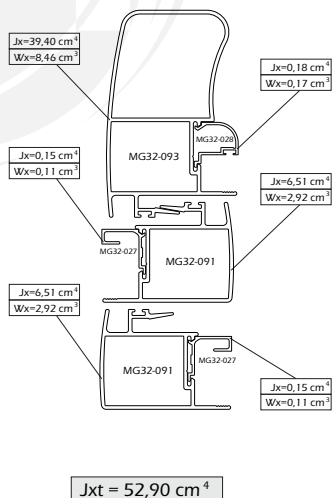
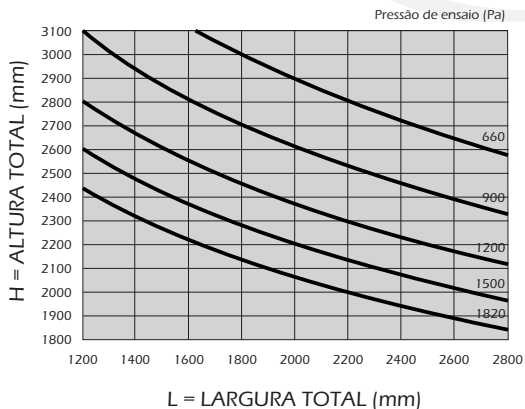
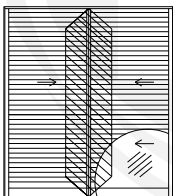
Montante Central



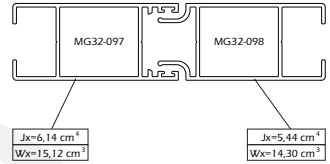
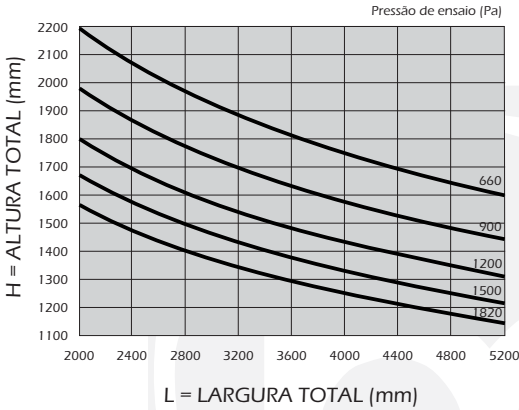
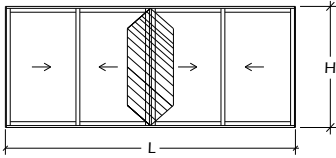
Montante central



Montante Central

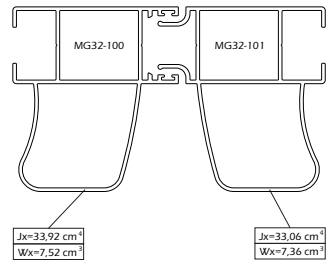
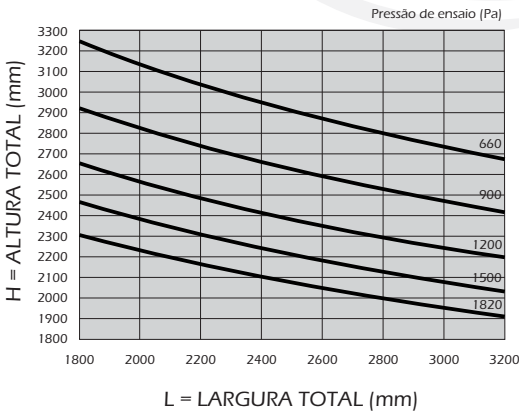
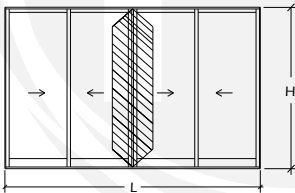


Central 4 folhas



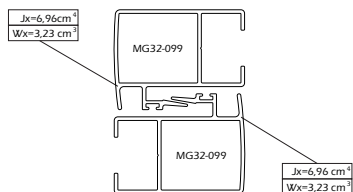
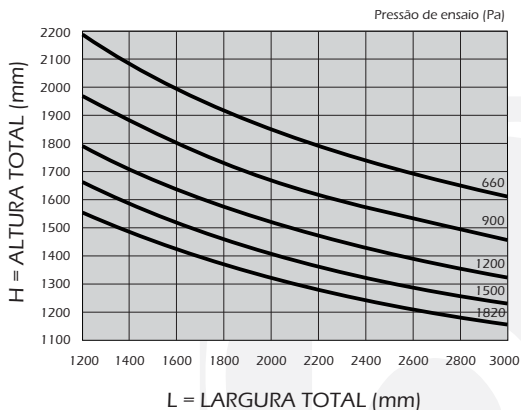
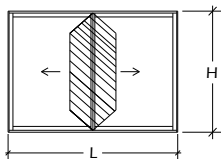
$J_{xt}=11,58 \text{ cm}^4$

Central 4 folhas



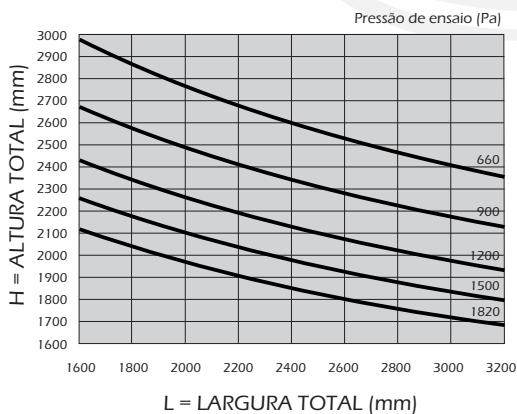
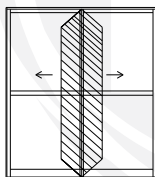
$J_{xt}=66,98 \text{ cm}^4$

Montante Central

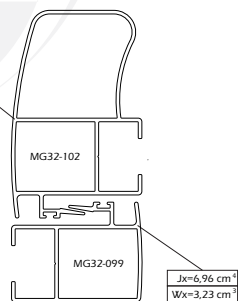


Jxt=13,92 cm⁴

Montante Central

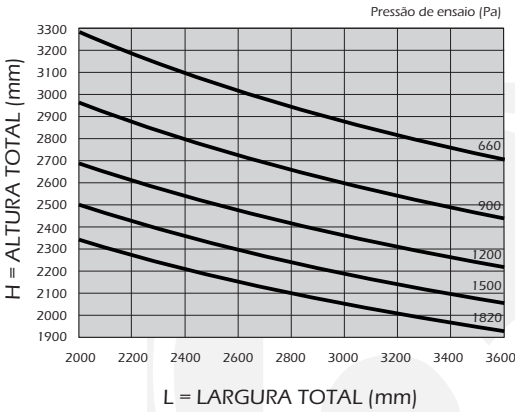
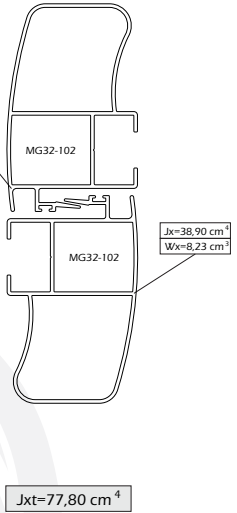
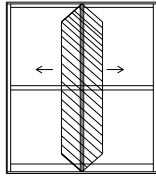


Jx=38,90 cm²
Wx=8,23 cm²

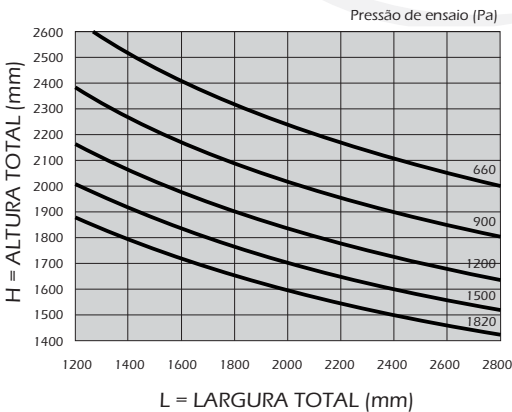
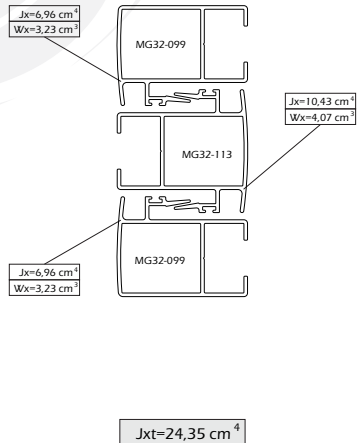
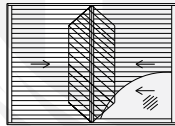


Jxt=45,86 cm⁴

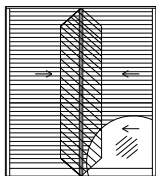
Montante Central



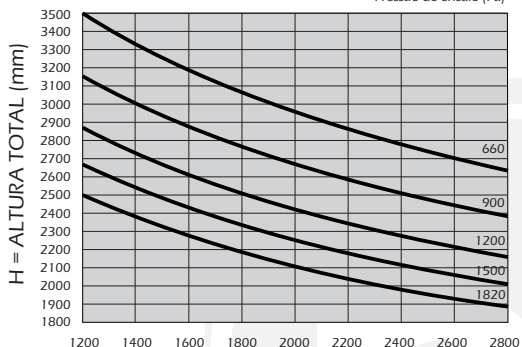
Montante Central



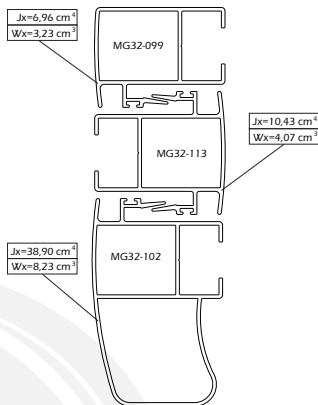
Montante central



Pressão de ensaio (Pa)

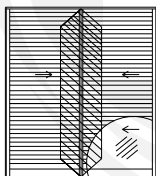


L = LARGURA TOTAL (mm)

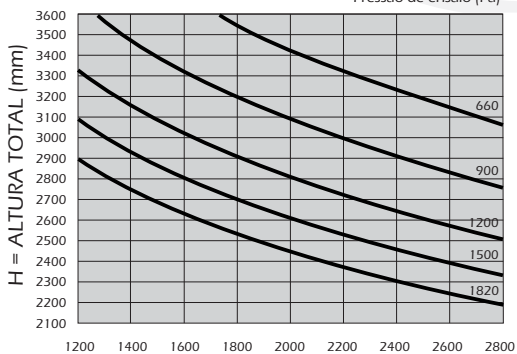


$J_{xt} = 56,29 \text{ cm}^4$

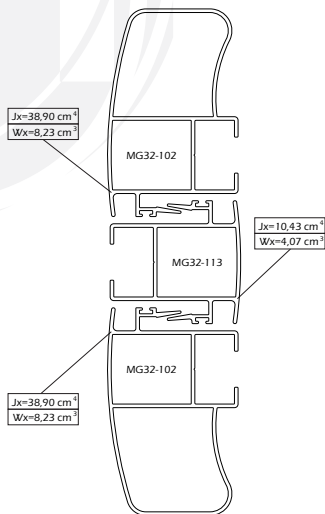
Montante Central



Pressão de ensaio (Pa)



L = LARGURA TOTAL (mm)



$J_{xt} = 88,23 \text{ cm}^4$



NORMAS

Isopletas dos ventos
(em metros por segundo)

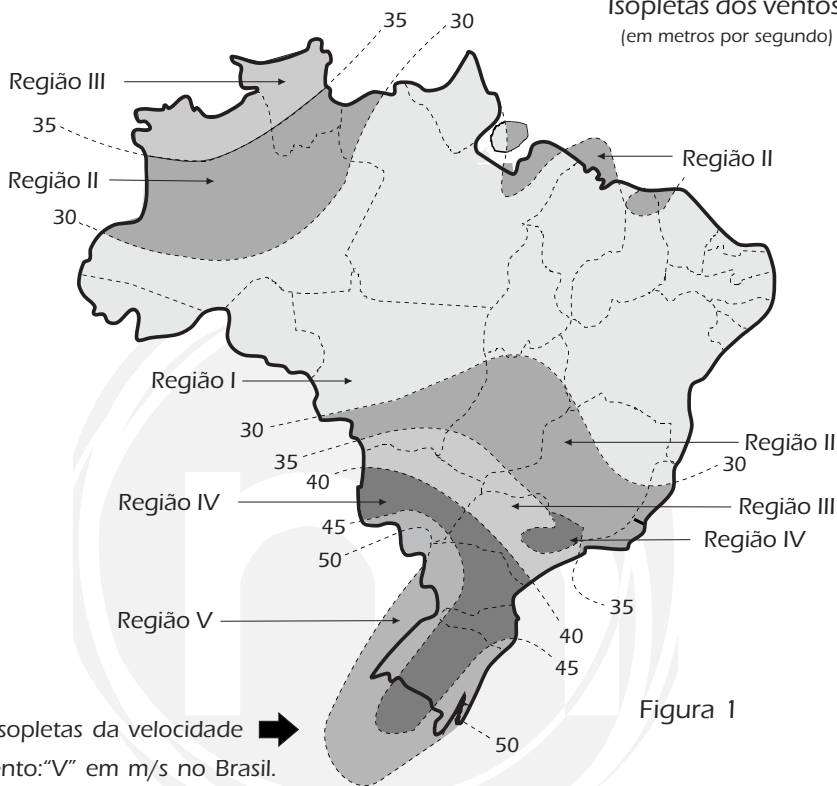


Figura 1

Gráfico das isopletas da velocidade básica do vento: "V" em m/s no Brasil.

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

