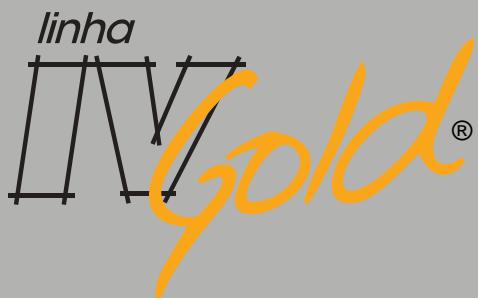


# Catálogo Técnico





## Alumínio & Cia.

Distribuidores exclusivos dos produtos  
ALCOA em todas as regiões do Brasil:  
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[faleconosco@alcoa.com.br](mailto:faleconosco@alcoa.com.br)

Catálogo Técnico Linha Gold GMPE 038 ABR 08



## ALUMÍNIO & CIA. CERTEZA DE PRODUTO ORIGINAL

A Alumínio & Cia. é uma rede de distribuidores exclusivos de produtos Alcoa presente em todas as regiões do Brasil.

Agora você pode adquirir uma grande variedade de produtos direto da maior indústria de alumínio do mundo.

Além de contar com preços diferenciados, os clientes da Alumínio & Cia. ficam por dentro dos lançamentos do mercado.

Cada unidade possui técnicos especializados, salas de projetos e uma grande área de exposição.

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**ALCOA**



**LINHA IV GOLD.  
PERFEITA PARA GRANDES  
VÃOS.**

- Componentes exclusivos garantem suavidade e praticidade ao conjunto.
- Possibilidade de instalação de vidros duplos, reduz a transmissão de calor e ruídos.
- Excelente comportamento estrutural.
- Deslizamento suave.
- Excelentes resultados em isolamento acústico.



**ALCOA**



## ALUMÍNIO & CIA. CERTEZA DE PRODUTO ORIGINAL

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**ALCOA**



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linha  
IV  
*Gold*

# Resultados dos ensaios

ALCOA

**Relatório de ensaio número:** Ref. ECC/15.135/06  
**Localizado em:** Rua Felipe Camarão, 454 - Utinga - São Paulo - SP  
**Entregue para:** ALCOA ALUMÍNIO S/A, Rua Felipe Camarão, 454 - Utinga, 09.220-060 - Santo André - SP  
**Ensaio:** (48.235)

**RELATÓRIO DE ENSAIO ECC/15.135/06**  
**ESQUADRÃO DE ALUMÍNIO**  
**DETERMINAÇÕES DIVERSAS**

**Interessado:** ALCOA ALUMÍNIO S/A,  
**Ensaio:** (48.235)

**1. MATERIAL ENSAIADO:**

Um protótipo de janela de alumínio de fabricação ALCOA ALUMÍNIO S/A, entregue pelo interessado em 30/01/06, apresentando as seguintes características:

**1.1 - Tipo:**  
 Janela de alumínio, composta por duas folhas de correr.

**1.2 - Dimensões do protótipo:**  
 Dimensões das folhas:  
 - Folha de vidro móvel (esquerda): (740 x 1.153) mm;  
 - Folha de vidro móvel (direita): (740 x 1.153) mm;  
 - Dimensão total do vão: (1.505 x 1.205) mm.

**1.3 - Fixação ao vão no laboratório:**  
 Para a realização dos ensaios, a janela de alumínio foi fixada no contra marco, previamente chumbado em alvenaria de bloco cerâmico.

**1.4 - Sistema de vedação:**

- \* Sílicone;
- Nos encontros a 90° das travessas com os montantes do marco, em ambas as faces;
- No encontro da travessa inferior do marco com o contramarcão e a alvenaria pelo lado interno;
- No encontro do marco com a alvenaria, em todo o perímetro, pelo lado externo;
- Em todos os encontros a 90° das travessas e montantes das folhas móveis;

Os resultados apresentados no presente documento, refletem as especificações e condições existentes à realização. A responsabilidade permanece com o cliente.

**Grupo Falcão Bauer**  
**SÃO PAULO**: Rua Aquiles, 111 - S.P. - CEP 05036-070 - FONE (11) 3611-6633 - FAX (11) 3611-0129  
**Filial: Campinas** - Bld José dos Campos - Santos - Espr - Rio de Janeiro - (RJ)  
[www.falcãobauer.com.br](http://www.falcãobauer.com.br) - [bauer@falcãobauer.com.br](mailto:bauer@falcãobauer.com.br) - BNA TEL. (11) 3611-0677 / ABDU TEL. (11) 3611-1699

Tipologia	Número do Certificado	Ensaios Realizados	Laboratório
Janela de correr 2 folhas	ECC - 131094/07 ECC - 129736/07	Estanqueidade a água, ar e Deformação Esforços de uso	Falcão Bauer Falcão Bauer
Janela de correr 3 folhas Veneziana	ECC - 134022/07	Esforços de uso	Falcão Bauer
Janela de correr 4 folhas	ECC - 132414/07 ECC - 134021/07	Estanqueidade a água, ar e Deformação Esforços de uso	Falcão Bauer Falcão Bauer
Janela de correr 6 folhas Veneziana	ECC - 132411/07 ECC - 132412/07	Estanqueidade a água, ar e Deformação Esforços de uso	Falcão Bauer Falcão Bauer
Janela Maxim-ar	ECC - 75892/04 ECC - 76353/04	Estanqueidade a água, ar e Deformação Esforços de uso	Falcão Bauer Falcão Bauer
Porta de correr 2 folhas	ECC - 130550/06 ECC - 129736/07	Estanqueidade a água, ar e Deformação Esforços de uso	Falcão Bauer Falcão Bauer

NBR6485 - Verificação da Penetração de Ar

NBR6486 - Verificação da Estanqueidade à Água

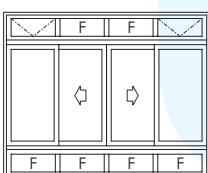
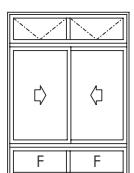
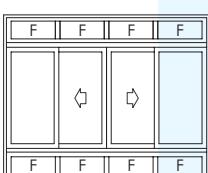
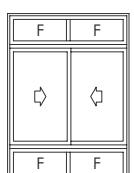
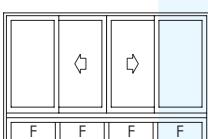
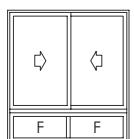
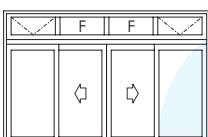
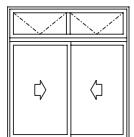
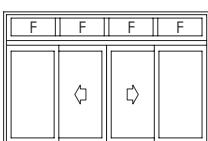
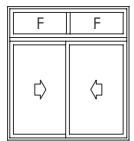
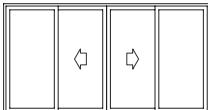
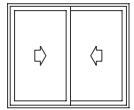
NBR6487 - Comportamento sob Cargas Uniformemente Distribuídas

NBR10821 - Verificação da Resistência às Operações de Manuseio

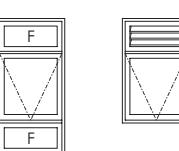
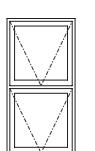
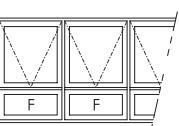
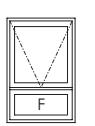
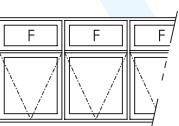
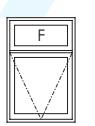
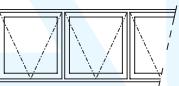
Os Relatórios de Ensaios completos encontram-se em  
[www.alcoa.com.br/gold](http://www.alcoa.com.br/gold) e [www.aluminioecia.com.br](http://www.aluminioecia.com.br)

**Janelas de Correr**

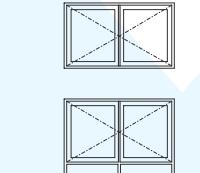
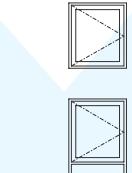
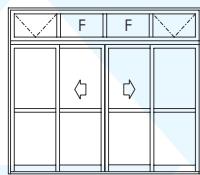
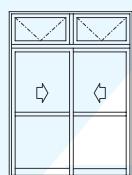
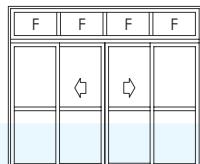
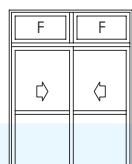
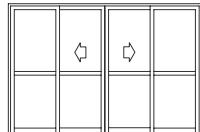
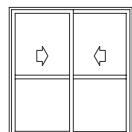
2 Planos - 2 e 4 Folhas

**Janelas Maxim-ar**

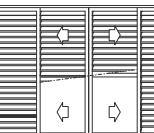
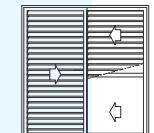
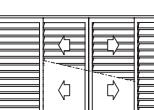
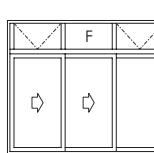
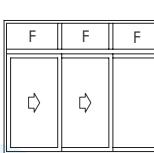
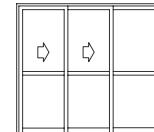
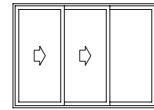
1 e Múltiplas Folhas

**Portas de Correr**

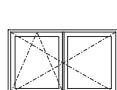
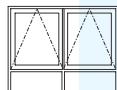
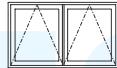
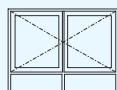
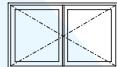
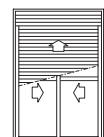
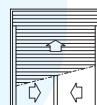
2 Planos - 2 e 4 Folhas

**Janelas e Portas de Correr**

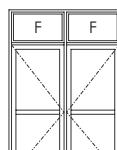
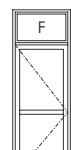
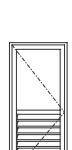
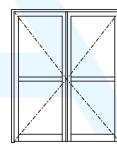
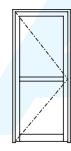
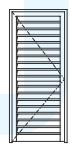
3 Planos - 3 e 6 Folhas

**Janelas Abre & Tomba**

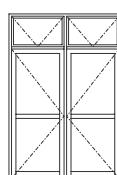
1 e 2 Folhas

**Janela e Porta Integradas****Portas de Giro**

1 e 2 Folhas

**Quadros Fixos****Portinholas de Giro**

1 e 2 Folhas



B

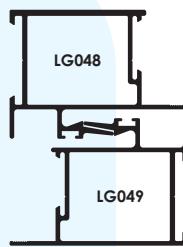
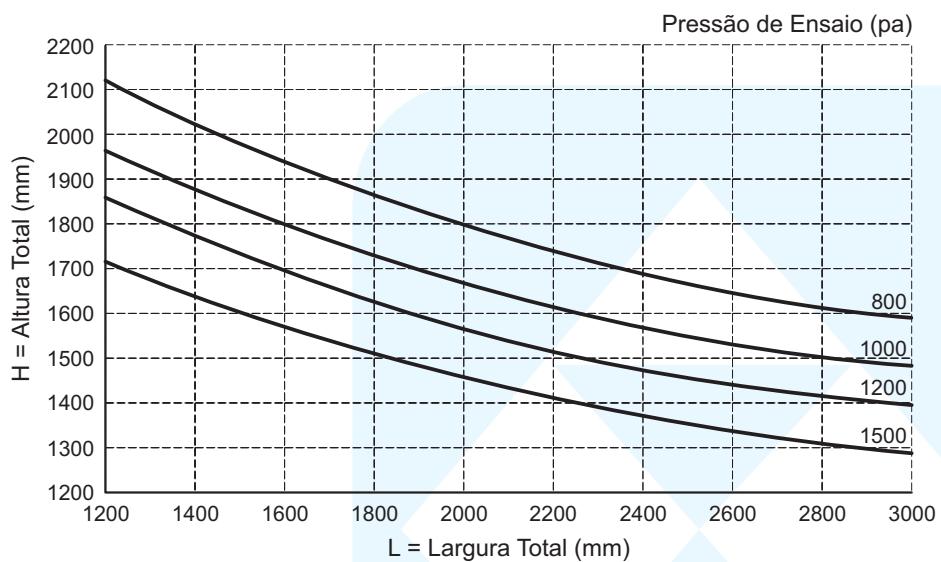
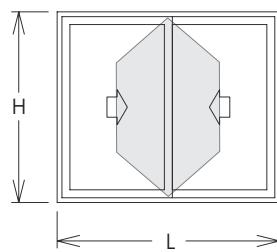
linha  
Gold

## Diagramas de dimensões

ALCOA

**Janela de Correr 2 folhas**

Liga 6060 T5



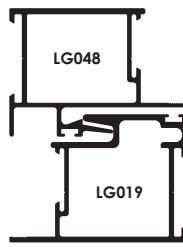
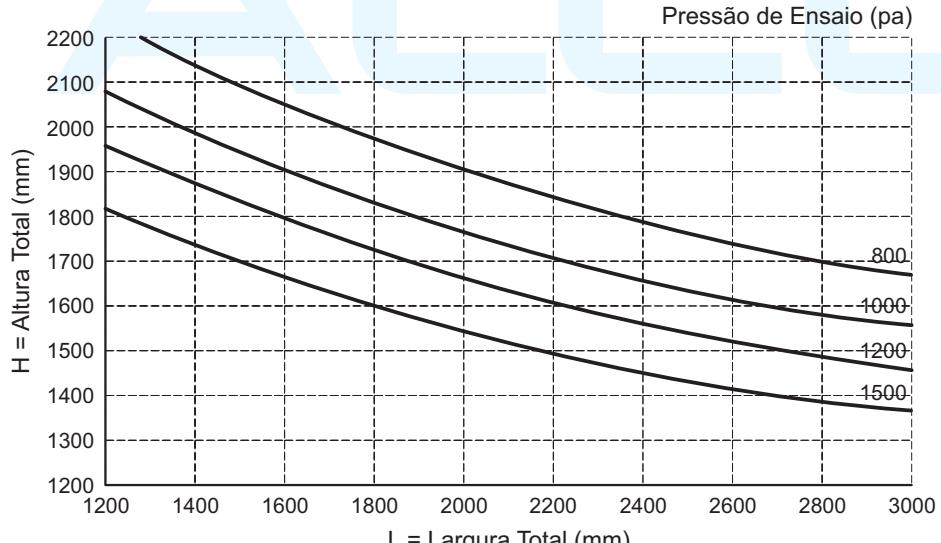
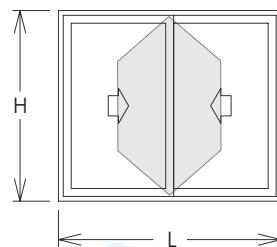
Área = 357 mm<sup>2</sup>  
Jx = 77461 mm<sup>4</sup>  
Wx = 3588 mm<sup>3</sup>

Área = 335 mm<sup>2</sup>  
Jx = 73331 mm<sup>4</sup>  
Wx = 3305 mm<sup>3</sup>

J total = 150792 mm<sup>4</sup>

**Janela de Correr 2 folhas**

Liga 6060 T5



Área = 357 mm<sup>2</sup>  
Jx = 77461 mm<sup>4</sup>  
Wx = 3588 mm<sup>3</sup>

Área = 398 mm<sup>2</sup>  
Jx = 101970 mm<sup>4</sup>  
Wx = 4821 mm<sup>3</sup>

J total = 179431 mm<sup>4</sup>

3

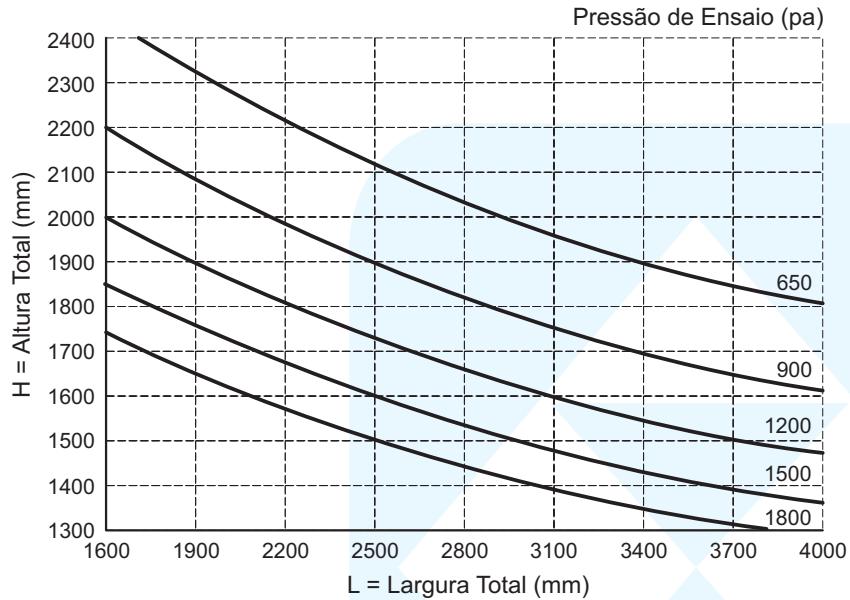
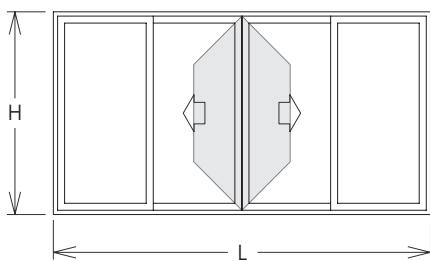
linha  
IV  
*gold*

# Diagramas de dimensões

ALCOA

## Janela de Correr 4 folhas

Liga 6060 T5



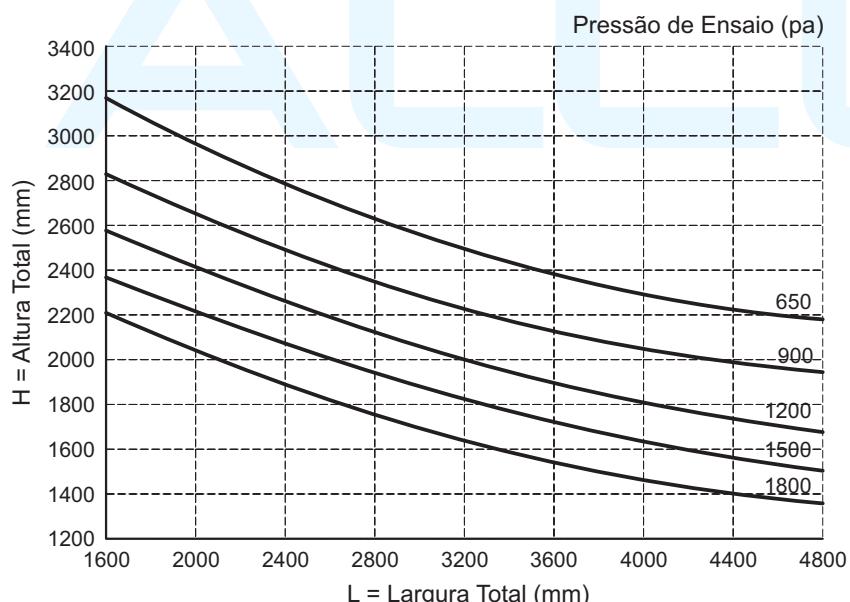
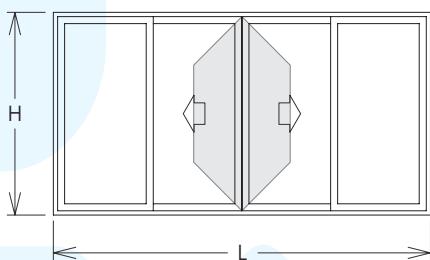
Área = 302 mm<sup>2</sup>  
Jx = 52290 mm<sup>4</sup>  
Wx = 3069 mm<sup>3</sup>

Área = 339 mm<sup>2</sup>  
Jx = 71563 mm<sup>4</sup>  
Wx = 3384 mm<sup>3</sup>

$$J \text{ total} = 123853 \text{ mm}^4$$

## Janela de Correr 4 folhas

Liga 6060 T5



Área = 372 mm<sup>2</sup>  
Jx = 121590 mm<sup>4</sup>  
Wx = 3270 mm<sup>3</sup>

Área = 412 mm<sup>2</sup>  
Jx = 147745 mm<sup>4</sup>  
Wx = 3813 mm<sup>3</sup>

$$J \text{ total} = 269335 \text{ mm}^4$$

B

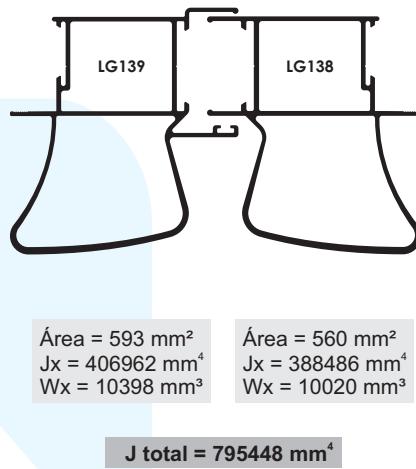
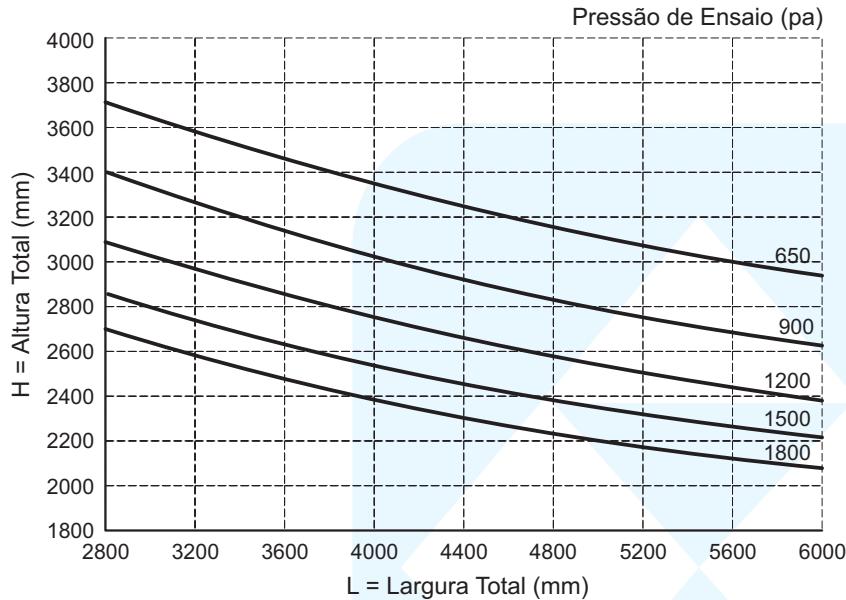
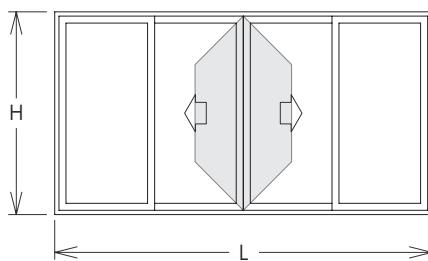
linha  
Gold

## Diagramas de dimensões

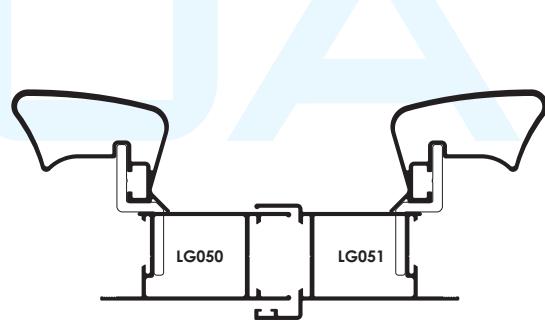
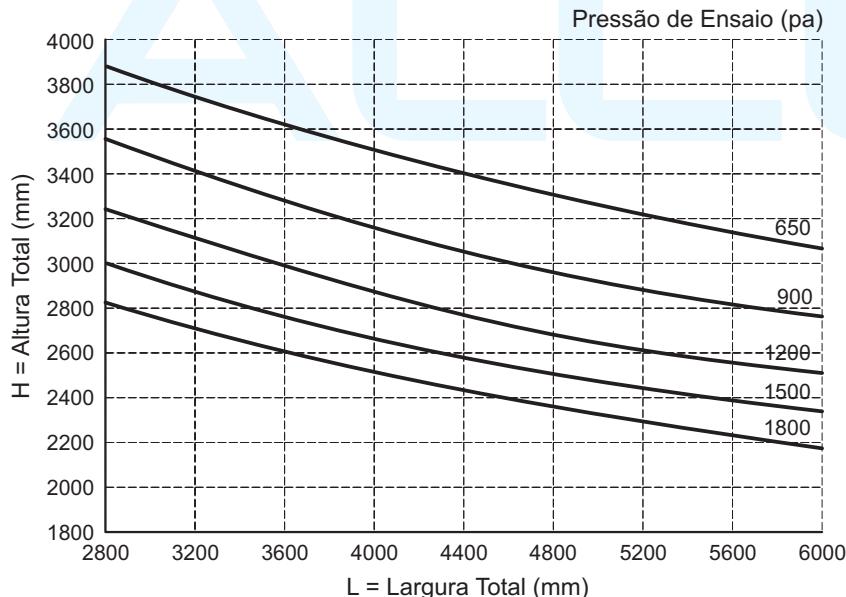
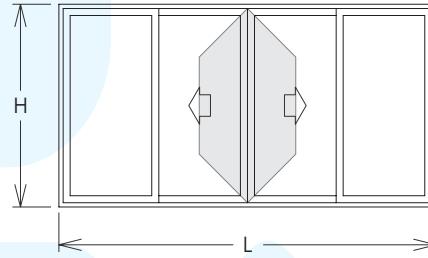
ALCOA

**Janela de Correr 4 folhas****Reforços externos**

Liga 6060 T5

**Janela de Correr 4 folhas**

Liga 6060 T5



3

linha  
IV  
*gold*

# Diagramas de dimensões

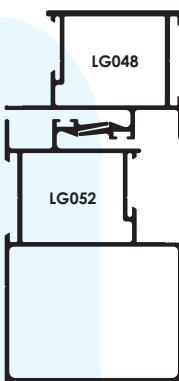
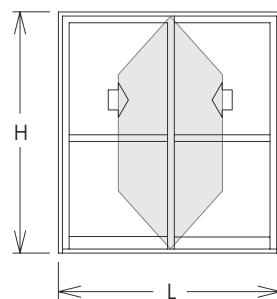
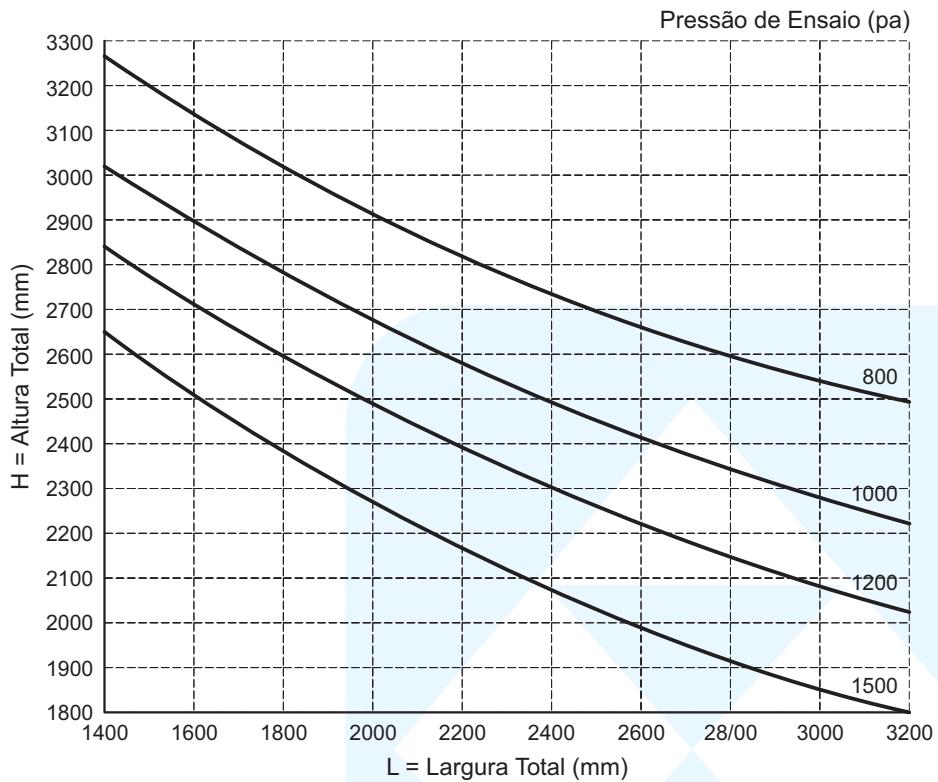
ALCOA

## Porta de Correr 2 folhas

### Reforço externo

Liga 6060 T5

OBS : FOLHAS ACIMA DE 70 kg, USAR ROLDANA REFORÇADA



Área = 357 mm<sup>2</sup>  
Jx = 77523 mm<sup>4</sup>  
Wx = 3592 mm<sup>3</sup>

Área = 615 mm<sup>2</sup>  
Jx = 558678 mm<sup>4</sup>  
Wx = 12069 mm<sup>3</sup>

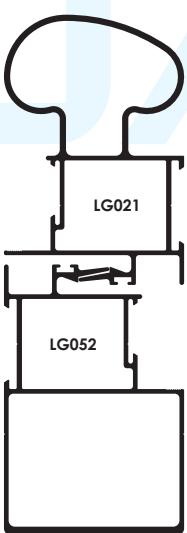
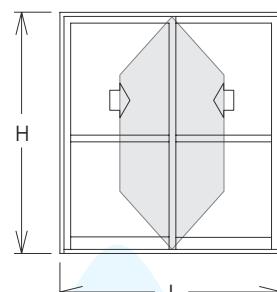
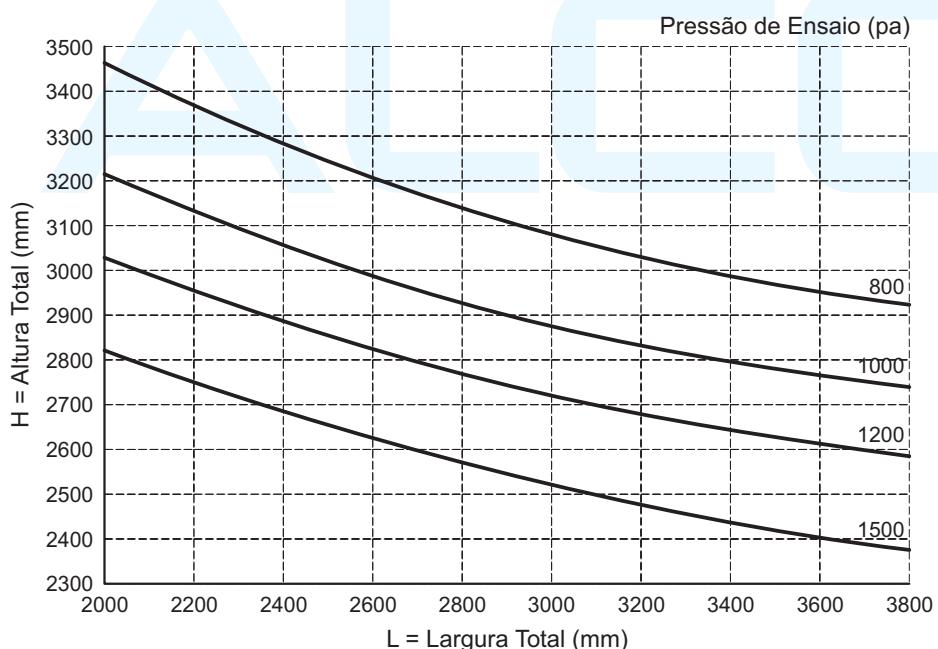
J total = 636201 mm<sup>4</sup>

## Porta de Correr 2 folhas

### Reforços interno/externo

Liga 6060 T5

OBS : FOLHAS ACIMA DE 70 kg, USAR ROLDANA REFORÇADA



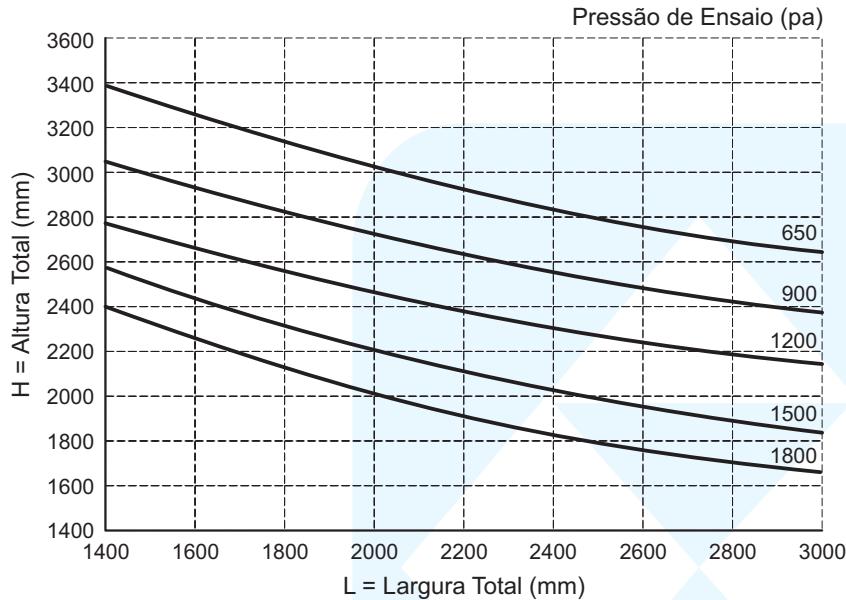
Área = 639 mm<sup>2</sup>  
Jx = 475344 mm<sup>4</sup>  
Wx = 10708 mm<sup>3</sup>

Área = 615 mm<sup>2</sup>  
Jx = 558678 mm<sup>4</sup>  
Wx = 12069 mm<sup>3</sup>

J total = 1034022 mm<sup>4</sup>

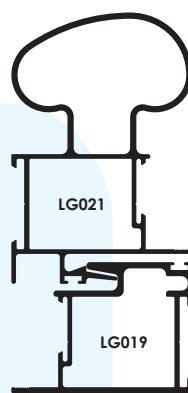
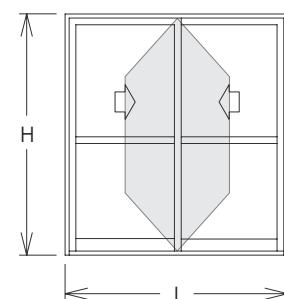
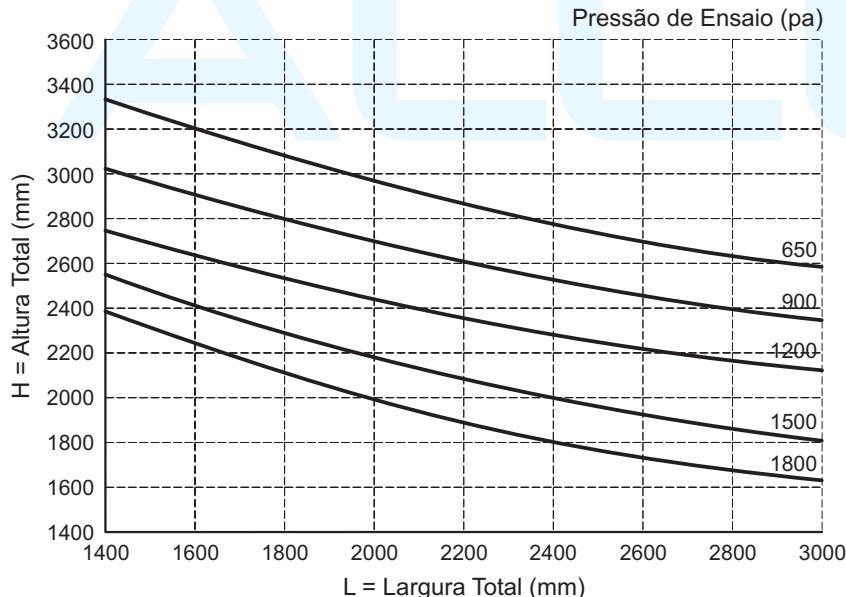
**Porta de Correr 2 folhas**  
**Reforço interno**  
Liga 6060 T5

OBS : FOLHAS ACIMA DE 70 kg, USAR ROLDANA REFORÇADA



**Porta de Correr 2 folhas**  
**Reforço interno**  
Liga 6060 T5

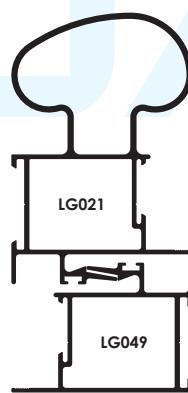
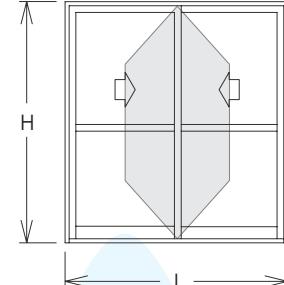
OBS : FOLHAS ACIMA DE 70 kg, USAR ROLDANA REFORÇADA



Área = 639 mm<sup>2</sup>  
Jx = 475344 mm<sup>4</sup>  
Wx = 10708 mm<sup>3</sup>

Área = 398 mm<sup>2</sup>  
Jx = 101970 mm<sup>4</sup>  
Wx = 4821 mm<sup>3</sup>

J total = 577314 mm<sup>4</sup>



Área = 639 mm<sup>2</sup>  
Jx = 475344 mm<sup>4</sup>  
Wx = 10708 mm<sup>3</sup>

Área = 335 mm<sup>2</sup>  
Jx = 73331 mm<sup>4</sup>  
Wx = 3305 mm<sup>3</sup>

J total = 548675 mm<sup>4</sup>

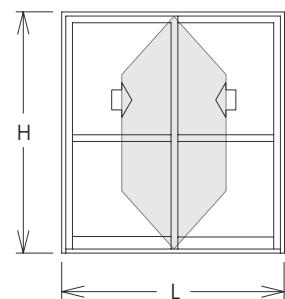
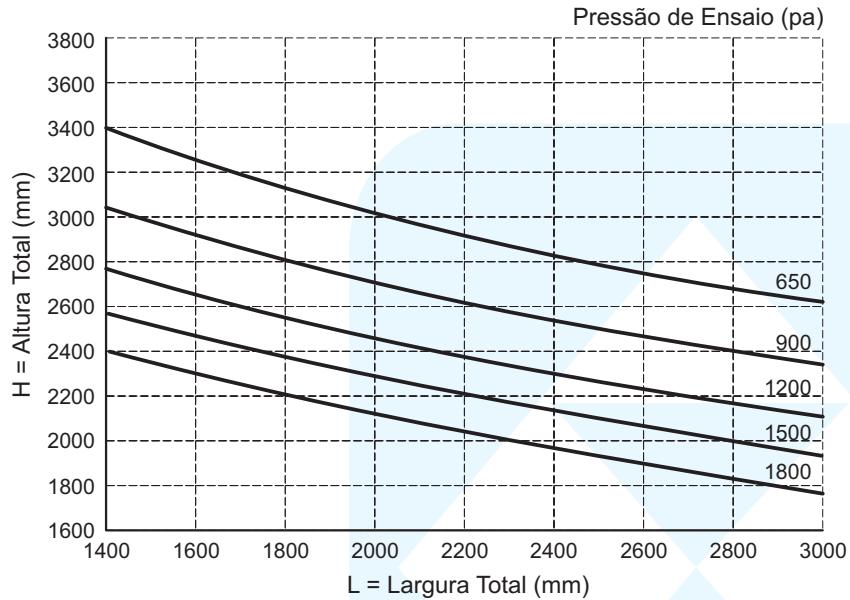
B

linha  
IV  
*Gold*

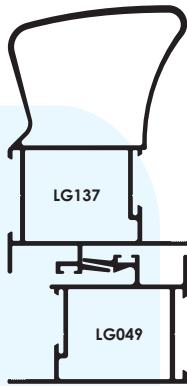
# Diagramas de dimensões


  
ALCOA

**Porta de Correr 2 folhas**  
**Reforços interno/externo**  
Liga 6060 T5



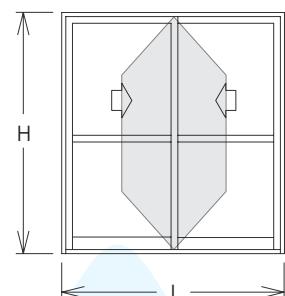
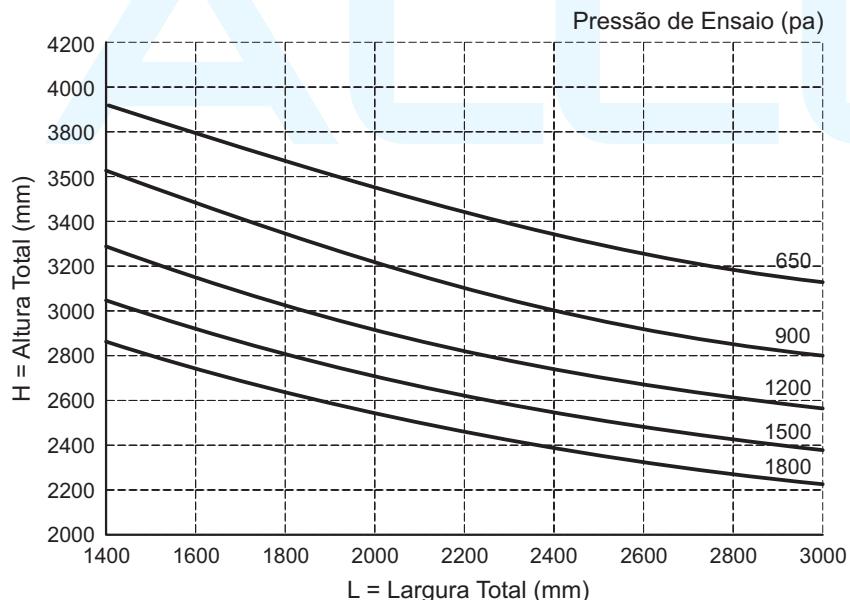
Área = 582 mm<sup>2</sup>  
Jx = 494246 mm<sup>4</sup>  
Wx = 11362 mm<sup>3</sup>



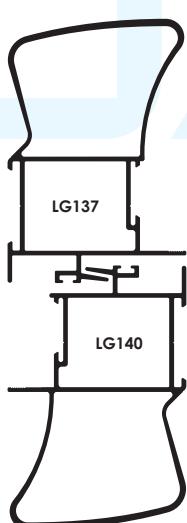
Área = 335 mm<sup>2</sup>  
Jx = 73331 mm<sup>4</sup>  
Wx = 3305 mm<sup>3</sup>

J total = 567577 mm<sup>4</sup>

**Porta de Correr 2 folhas**  
**Reforços interno/externo**  
Liga 6060 T5



Área = 582 mm<sup>2</sup>  
Jx = 494246 mm<sup>4</sup>  
Wx = 11362 mm<sup>3</sup>



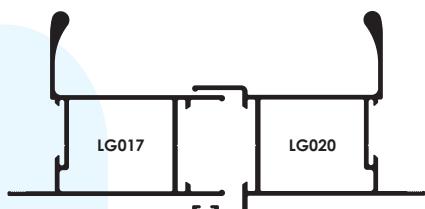
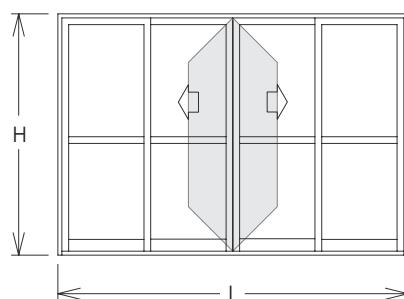
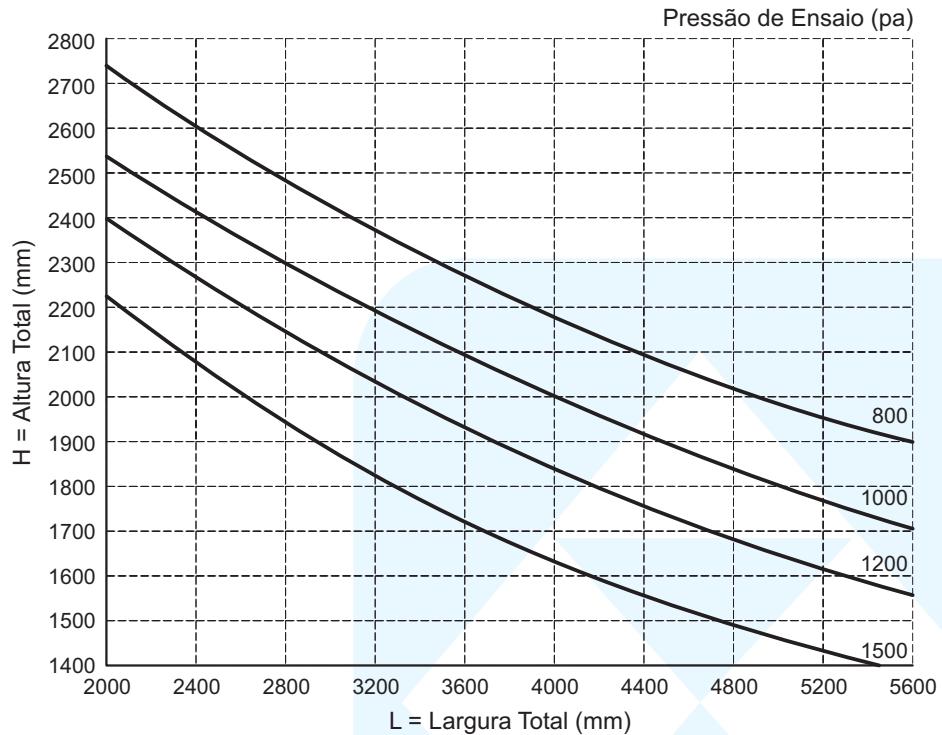
Área = 583 mm<sup>2</sup>  
Jx = 469948 mm<sup>4</sup>  
Wx = 10530 mm<sup>3</sup>

J total = 964194 mm<sup>4</sup>

**Porta de Correr 4 folhas****Reforço interno**

Liga 6060 T5

OBS : FOLHAS ACIMA DE 70 kg, USAR ROLDANA REFORÇADA



Área = 372 mm<sup>2</sup>  
Jx = 121590 mm<sup>4</sup>  
Wx = 3270 mm<sup>3</sup>

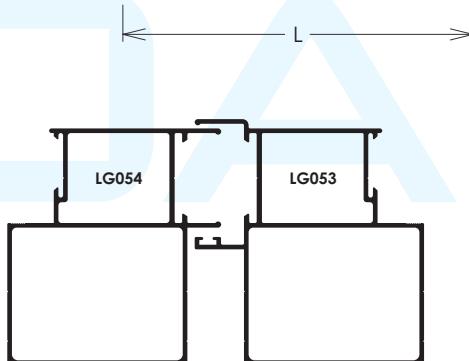
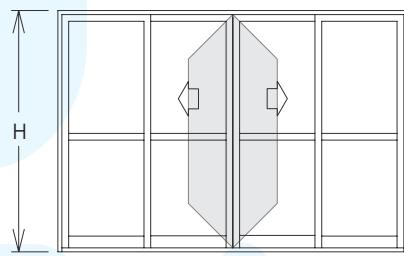
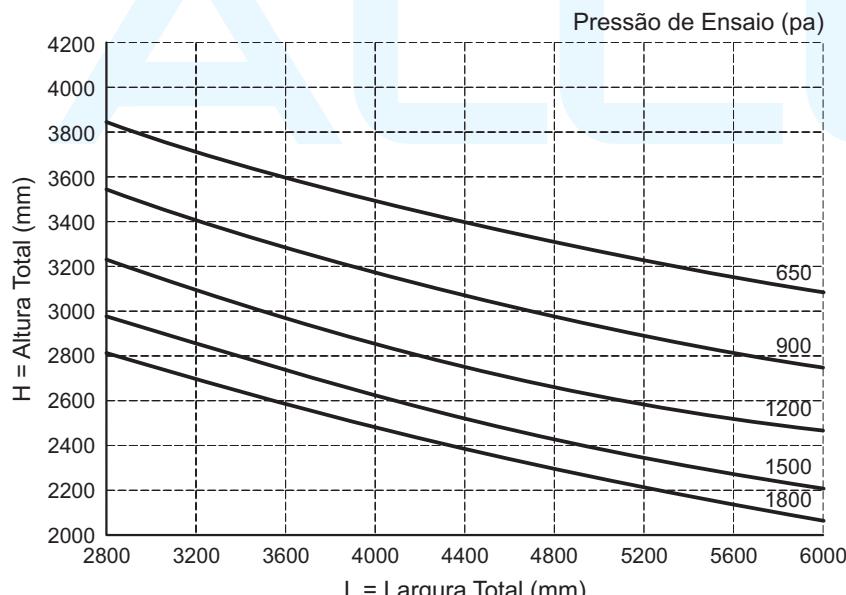
Área = 214 mm<sup>2</sup>  
Jx = 147745 mm<sup>4</sup>  
Wx = 3813 mm<sup>3</sup>

J total = 269335 mm<sup>4</sup>

**Porta de Correr 4 folhas****Reforço externo**

Liga 6060 T5

OBS : FOLHAS ACIMA DE 70 kg, USAR ROLDANA REFORÇADA



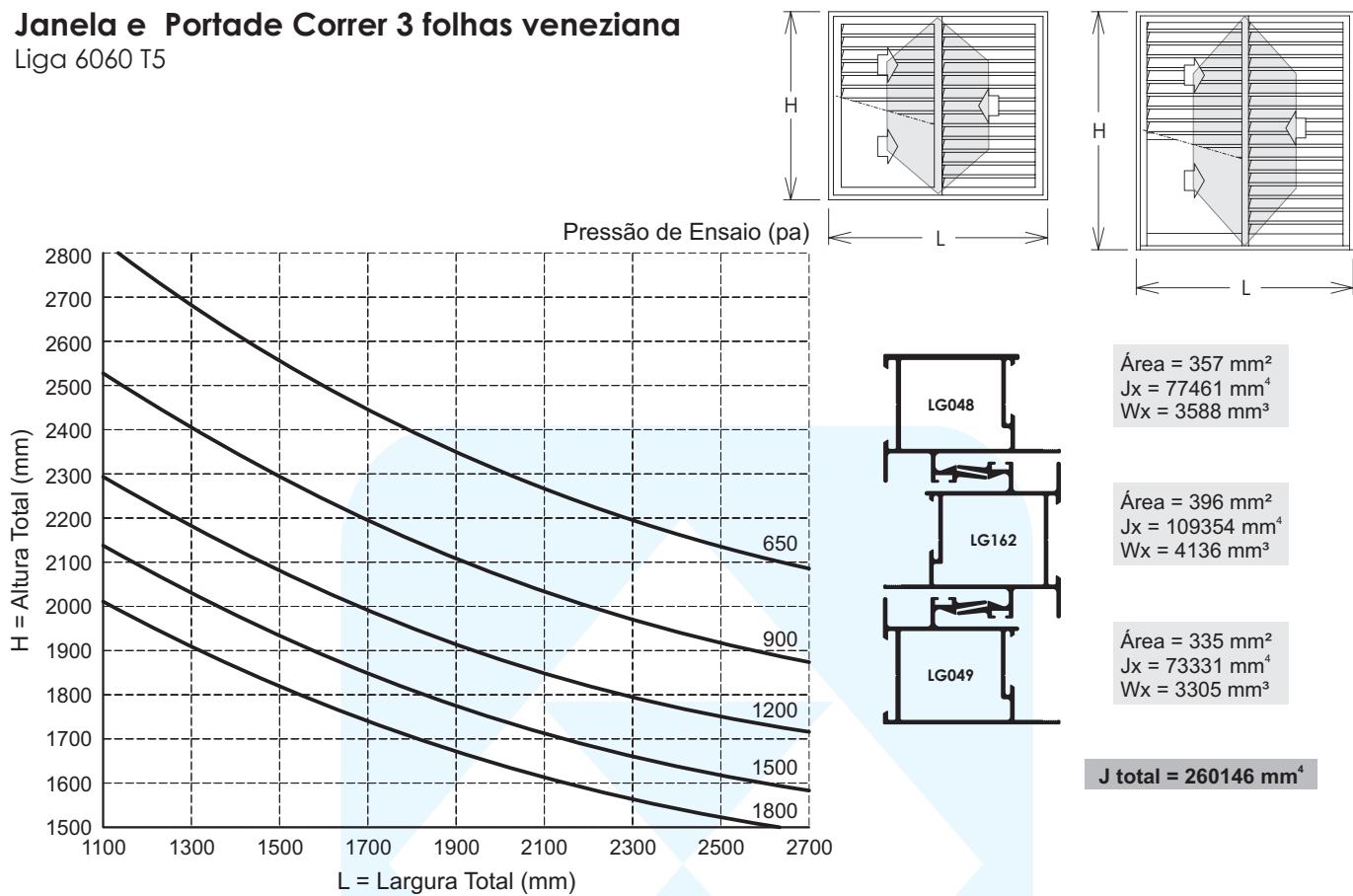
Área = 581 mm<sup>2</sup>  
Jx = 449800 mm<sup>4</sup>  
Wx = 11128 mm<sup>3</sup>

Área = 609 mm<sup>2</sup>  
Jx = 471745 mm<sup>4</sup>  
Wx = 11032 mm<sup>3</sup>

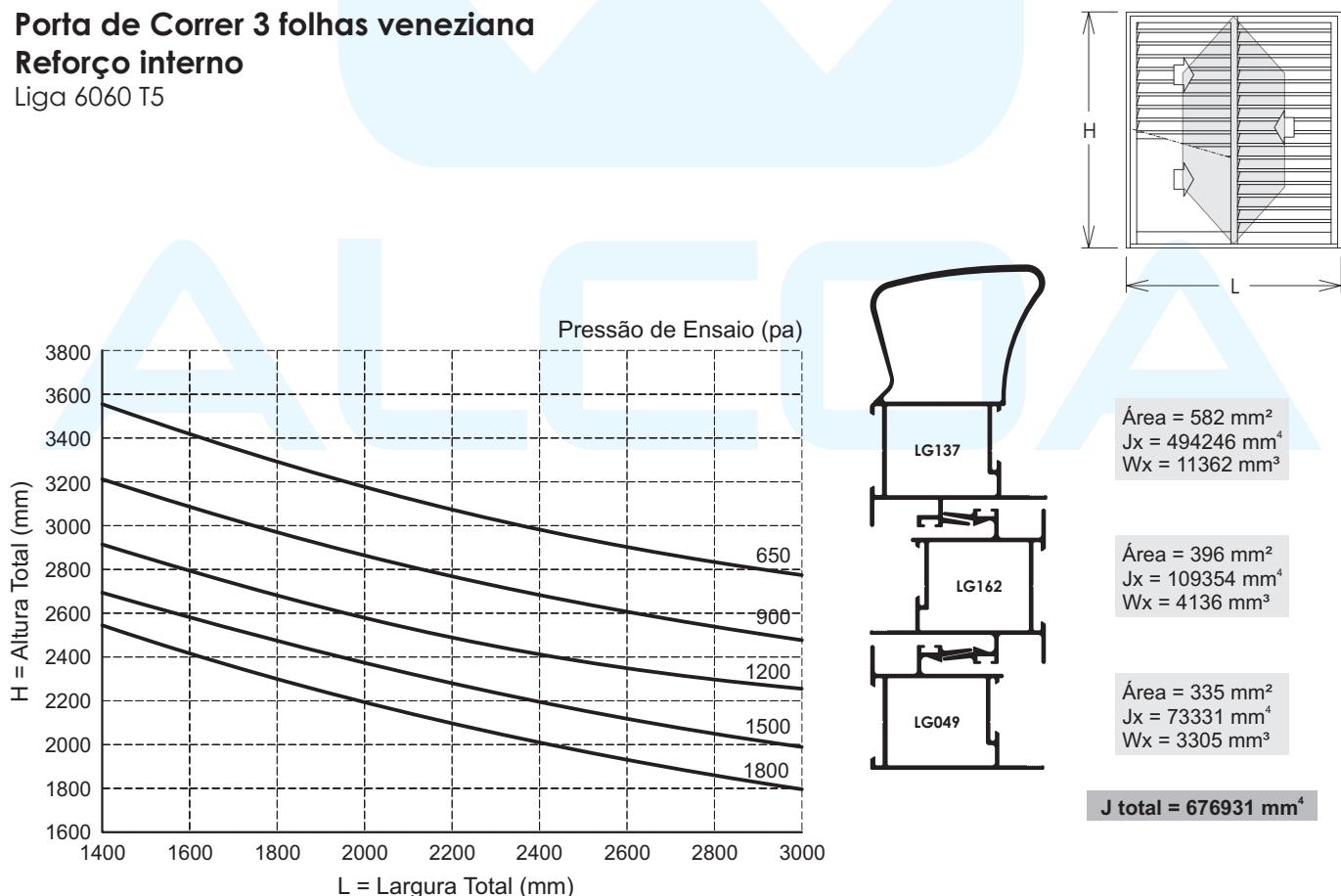
J total = 921545 mm<sup>4</sup>

**Janela e Portade Correr 3 folhas veneziana**

Liga 6060 T5

**Porta de Correr 3 folhas veneziana****Reforço interno**

Liga 6060 T5



B

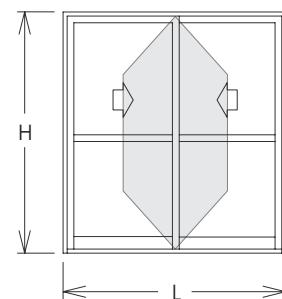
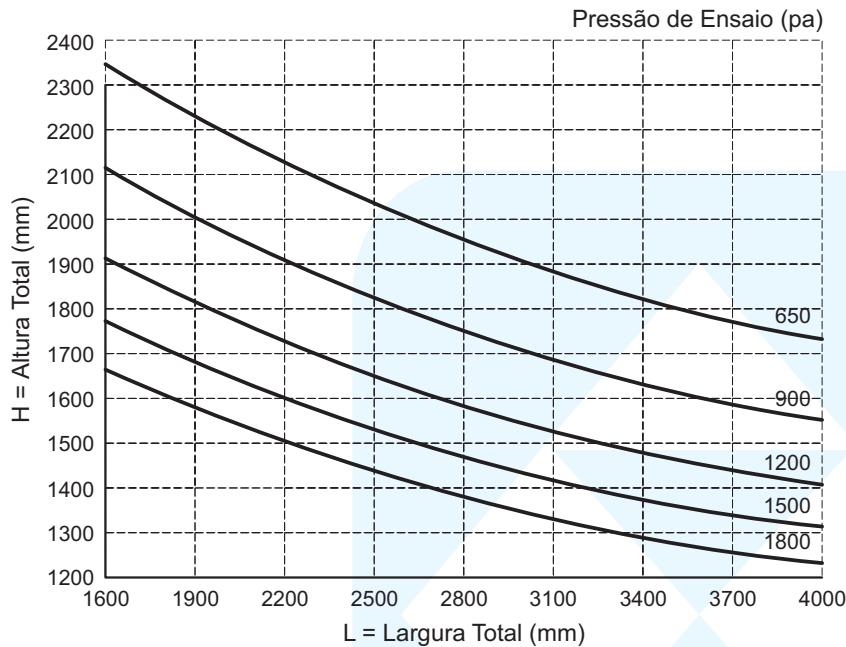
linha  
Gold

## Diagramas de dimensões

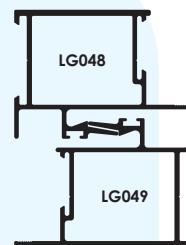
ALCOA

**Porta de Correr 2 folhas**

Liga 6060 T5



Área = 357 mm<sup>2</sup>  
 $J_x = 77461 \text{ mm}^4$   
 $W_x = 3588 \text{ mm}^3$

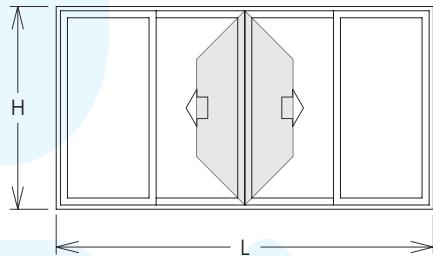
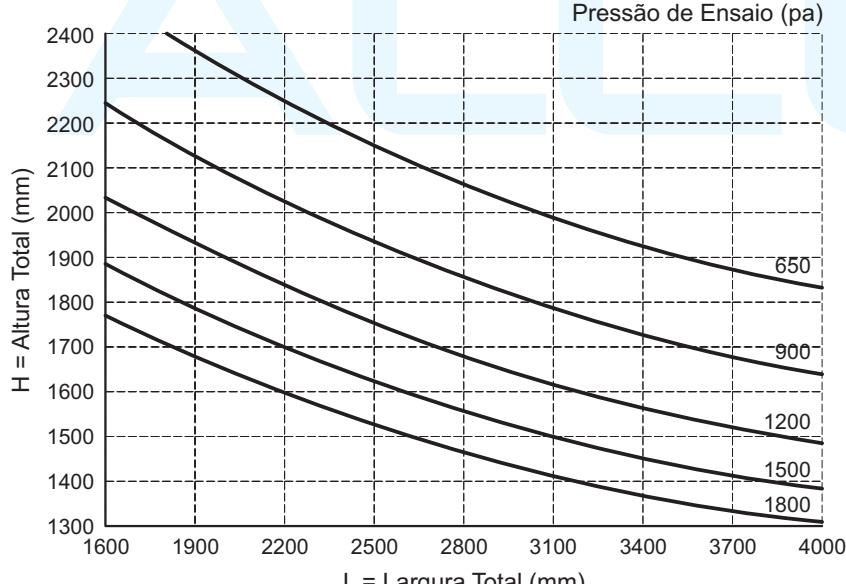


Área = 335 mm<sup>2</sup>  
 $J_x = 73331 \text{ mm}^4$   
 $W_x = 3305 \text{ mm}^3$

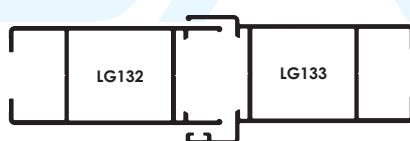
**J total = 150792 mm<sup>4</sup>**

**Janela de Correr 4 folhas**

Liga 6060 T5



Área = 310 mm<sup>2</sup>  
 $J_x = 55598 \text{ mm}^4$   
 $W_x = 3475 \text{ mm}^3$



Área = 345 mm<sup>2</sup>  
 $J_x = 74361 \text{ mm}^4$   
 $W_x = 3549 \text{ mm}^3$

**J total = 129959 mm<sup>4</sup>**

B

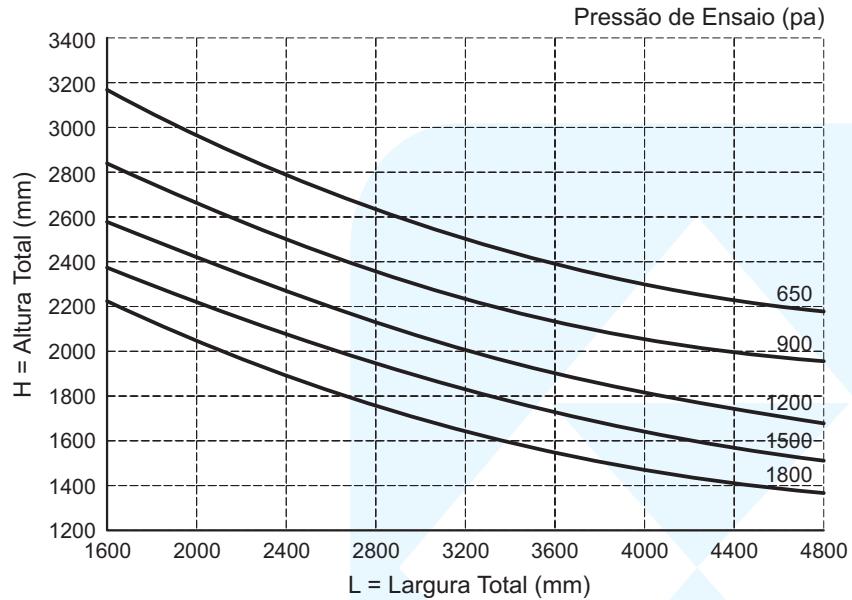
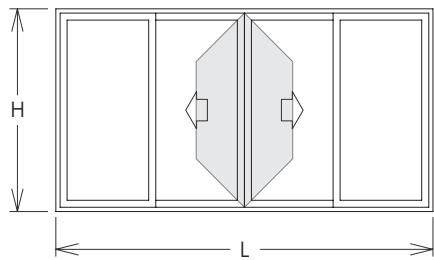
linha  
IV  
*gold*

# Diagramas de dimensões

ALCOA

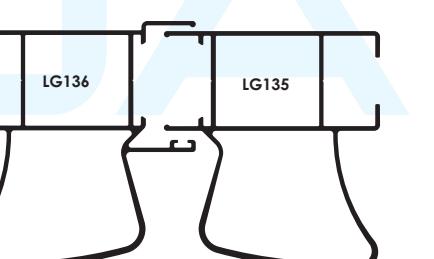
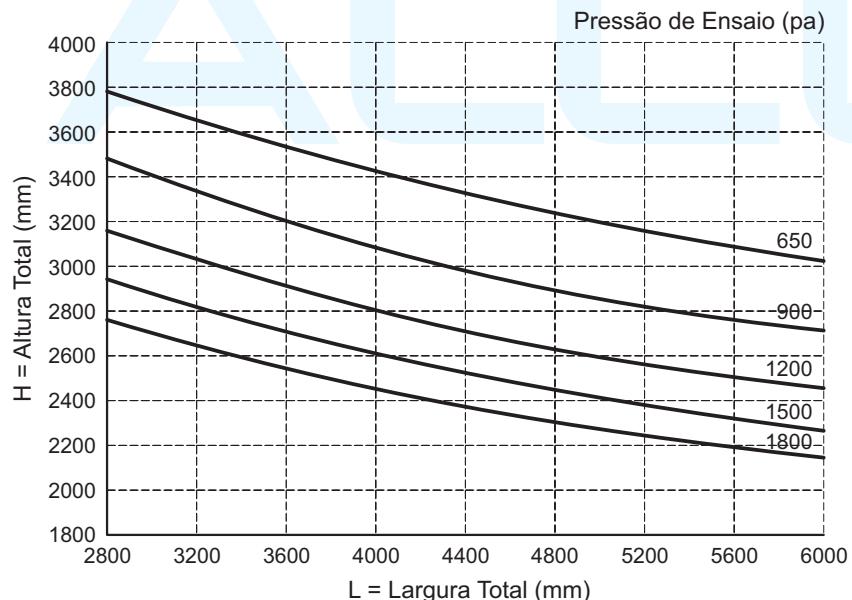
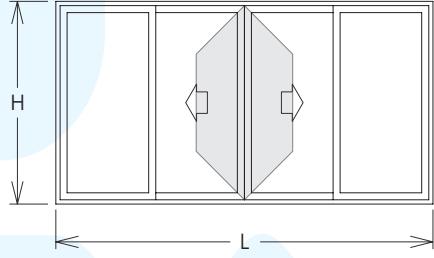
## Janela de Correr 4 folhas

Liga 6060 T5



## Janela de Correr 4 folhas

Liga 6060 T5



Área = 394 mm<sup>2</sup>  
Jx = 122195 mm<sup>4</sup>  
Wx = 3372 mm<sup>3</sup>

Área = 431 mm<sup>2</sup>  
Jx = 147159 mm<sup>4</sup>  
Wx = 3920 mm<sup>3</sup>

J total = 269354 mm<sup>4</sup>

Área = 622 mm<sup>2</sup>  
Jx = 439682 mm<sup>4</sup>  
Wx = 10795 mm<sup>3</sup>

Área = 589 mm<sup>2</sup>  
Jx = 422166 mm<sup>4</sup>  
Wx = 10468 mm<sup>3</sup>

J total = 861848 mm<sup>4</sup>

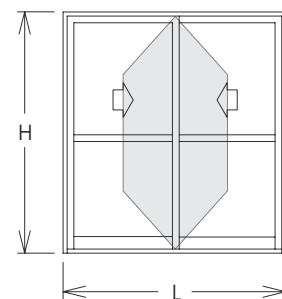
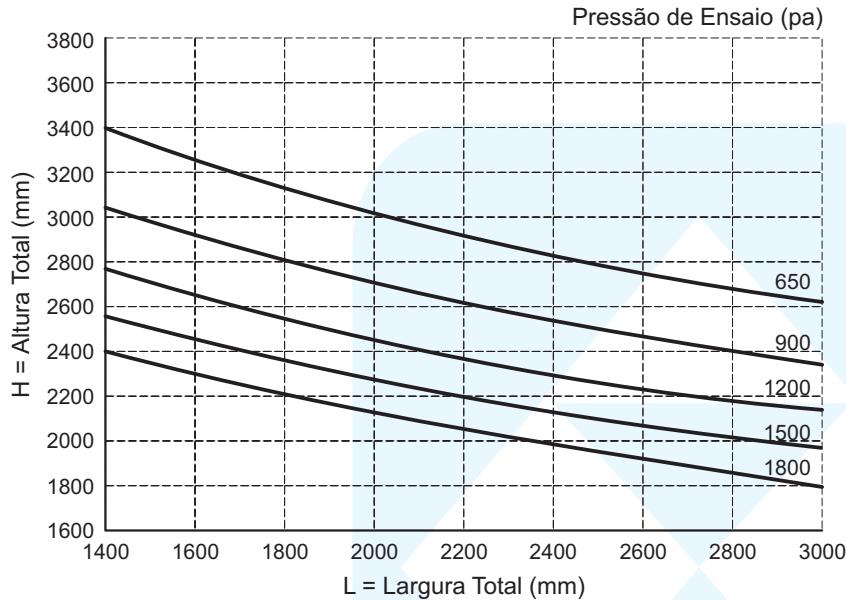
B

linha  
Gold

## Diagramas de dimensões

ALCOA

**Porta de Correr 2 folhas**  
**Reforços interno/externo**  
Liga 6060 T5

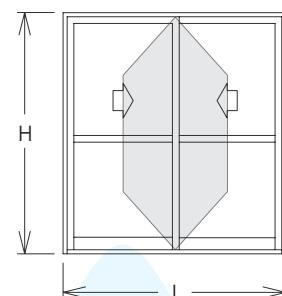
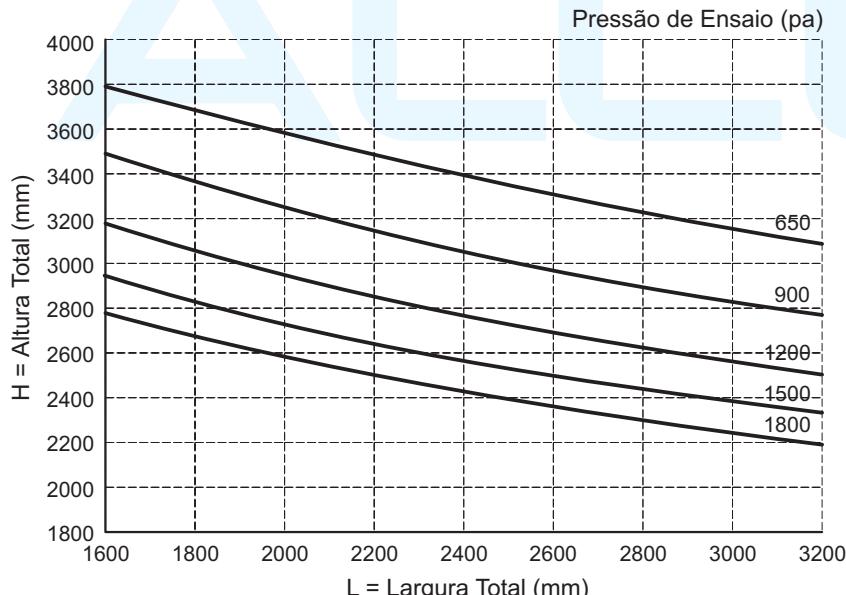


Área =  $611 \text{ mm}^2$   
 $J_x = 498426 \text{ mm}^4$   
 $W_x = 11469 \text{ mm}^3$

Área =  $351 \text{ mm}^2$   
 $J_x = 73781 \text{ mm}^4$   
 $W_x = 3492 \text{ mm}^3$

**J total =  $572207 \text{ mm}^4$**

**Porta de Correr 2 folhas**  
**Reforços interno/externo**  
Liga 6060 T5



Área =  $611 \text{ mm}^2$   
 $J_x = 498426 \text{ mm}^4$   
 $W_x = 11469 \text{ mm}^3$

Área =  $611 \text{ mm}^2$   
 $J_x = 498426 \text{ mm}^4$   
 $W_x = 11469 \text{ mm}^3$

**J total =  $996852 \text{ mm}^4$**

B

linha  
IV  
gold

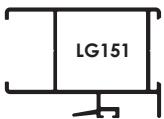
# Diagramas de dimensões

## Folha de Correr com Vidro duplo 18mm

(6mm externo / 4mm interno / câmara de 8mm)  
 Liga 6060 T5  
 Flecha admissível = H/225



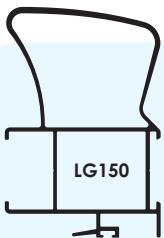
Caso 1



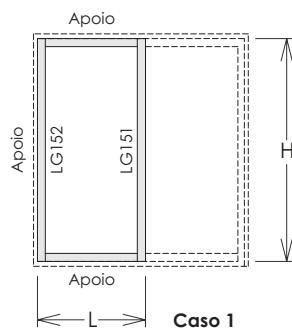
Área = 299 mm<sup>2</sup>  
 Jx = 72507 mm<sup>4</sup>  
 Wx = 3469 mm<sup>3</sup>



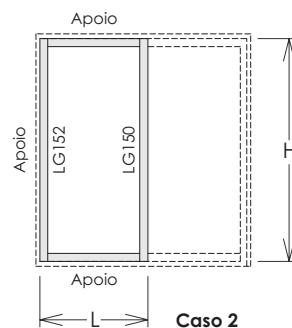
Caso 2



Área = 599 mm<sup>2</sup>  
 Jx = 493337 mm<sup>4</sup>  
 Wx = 11310 mm<sup>3</sup>



Caso 1



Caso 2

Montantes centrais livres  
 e demais lados apoiados

Pressão de ensaio (Pa)	Medida da folha (L x H)	
	Caso 1	Caso 2
1200 x 2200	1200	1400 x 2600
900	900	900
650	650	650

## Folha de Correr com Vidro duplo 18mm

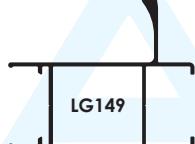
(6mm externo / 4mm interno / câmara de 8mm)  
 Liga 6060 T5  
 Flecha admissível = H/225



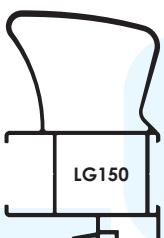
Caso 1



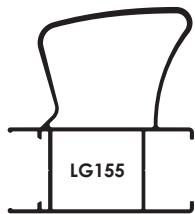
Área = 299 mm<sup>2</sup>  
 Jx = 72507 mm<sup>4</sup>  
 Wx = 3469 mm<sup>3</sup>



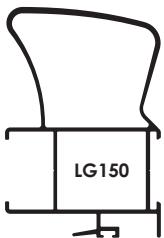
Caso 2



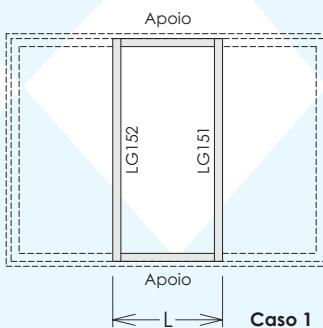
Área = 599 mm<sup>2</sup>  
 Jx = 493337 mm<sup>4</sup>  
 Wx = 11310 mm<sup>3</sup>



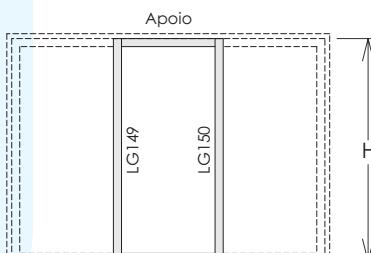
Caso 3



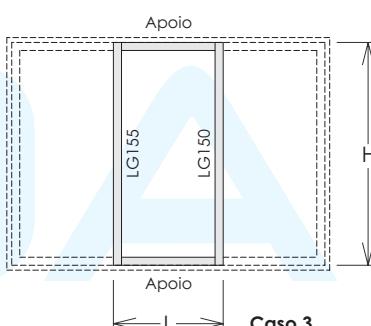
Área = 577 mm<sup>2</sup>  
 Jx = 415749 mm<sup>4</sup>  
 Wx = 10394 mm<sup>3</sup>



Caso 1



Caso 2

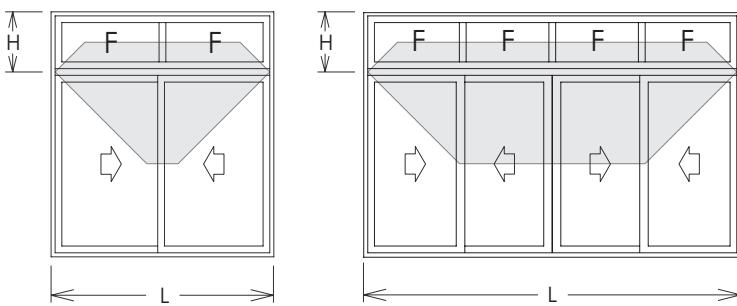


Caso 3

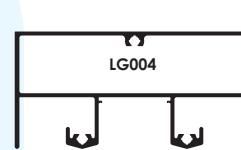
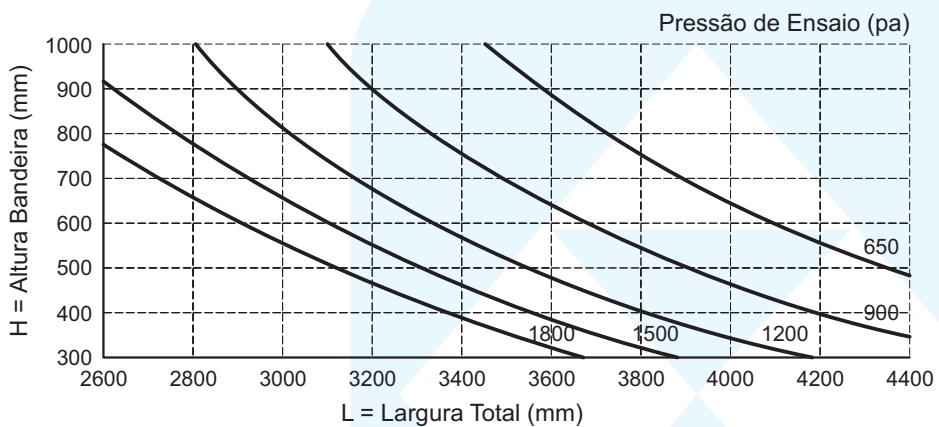
## Folhas bi-apoiadas (3 folhas ou mais)

Pressão de ensaio (Pa)	Medida da folha (L x H)		
	Caso 1	Caso 2	Caso 3
1000 x 2100	1000 x 2200	1200 x 2400	
900	900	900	900
650	650	650	650

**Travessa da bandeira  
Porta e Janela de Correr 2 e 4 folhas**  
Liga 6060 T5

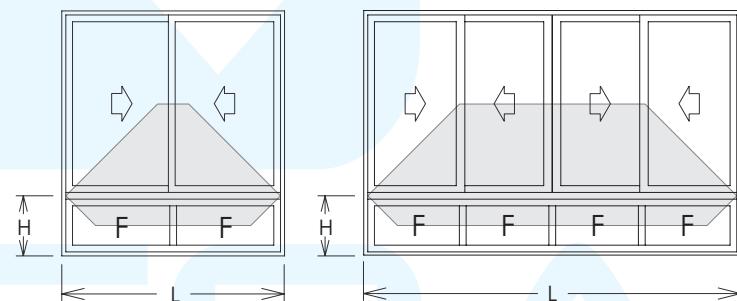


**Nota:** Após verificação das curvas de pressão de ensaio (abaixo), para larguras superiores a 2400mm, utilizar o perfil LG079, para evitar que o próprio peso da bandeira deforme a travessa e prejudique o funcionamento das folhas de correr.

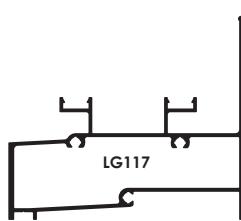
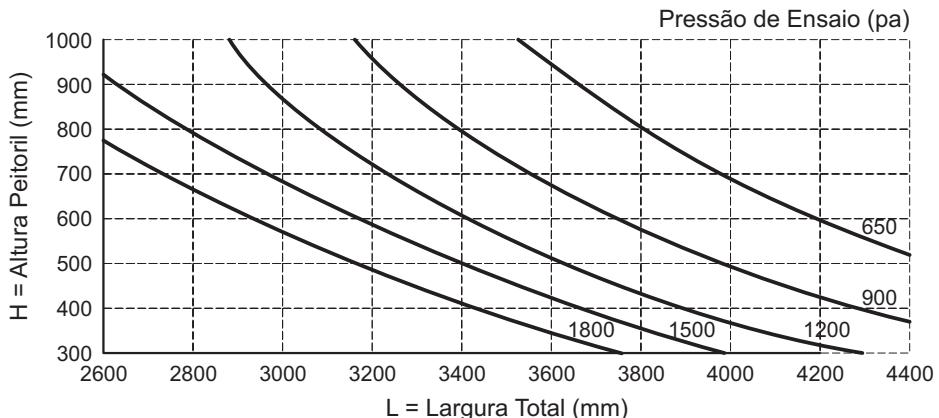


Área = 751 mm<sup>2</sup>  
Jx = 873671 mm<sup>4</sup>  
Wx = 16798 mm<sup>3</sup>

**Travessa do peitoril  
Porta e Janela de Correr 2 e 4 folhas**  
Liga 6060 T5



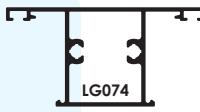
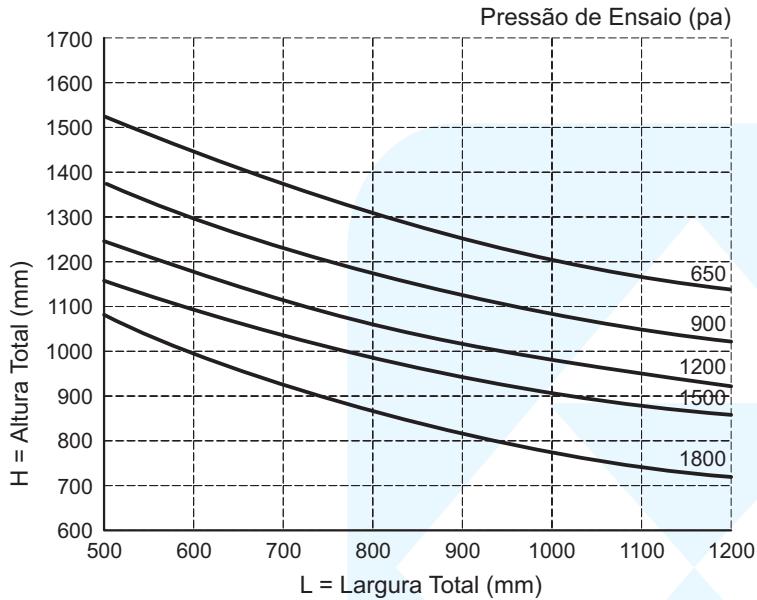
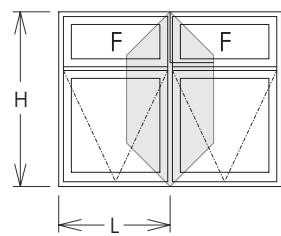
**Nota:** Após verificação das curvas de pressão de ensaio (abaixo), para larguras superiores a 2400mm, utilizar o perfil LG079, para evitar a deformação da travessa do peitoril e prejudicar o funcionamento das folhas de correr.



Área = 760 mm<sup>2</sup>  
Jx = 931543 mm<sup>4</sup>  
Wx = 16640 mm<sup>3</sup>

**Montante central  
Janela Maxim ar  
Liga 6060 T5**

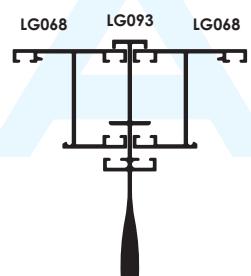
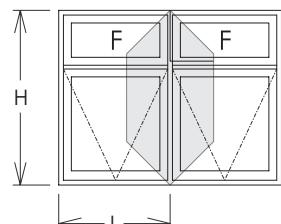
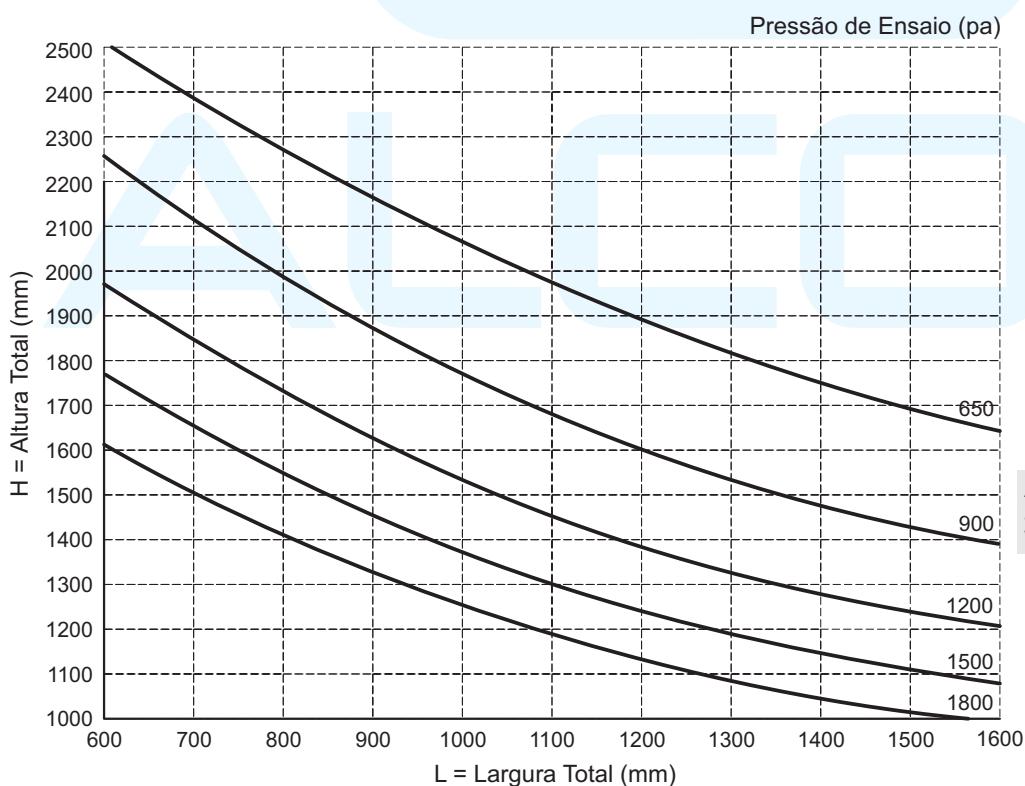
Dimensão máxima da folha = 1200mm x 1200mm,  
limitada pela resistência dos perfis de folha



Área = 280 mm<sup>2</sup>  
Jx = 37854 mm<sup>4</sup>  
Wx = 1935 mm<sup>3</sup>

**Junção de módulos  
Janela Maxim ar  
Liga 6060 T5**

Dimensão máxima da folha = 1200mm x 1200mm,  
limitada pela resistência dos perfis de folha



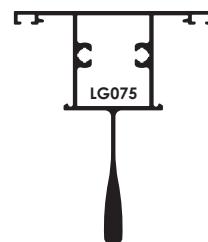
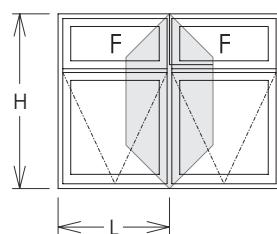
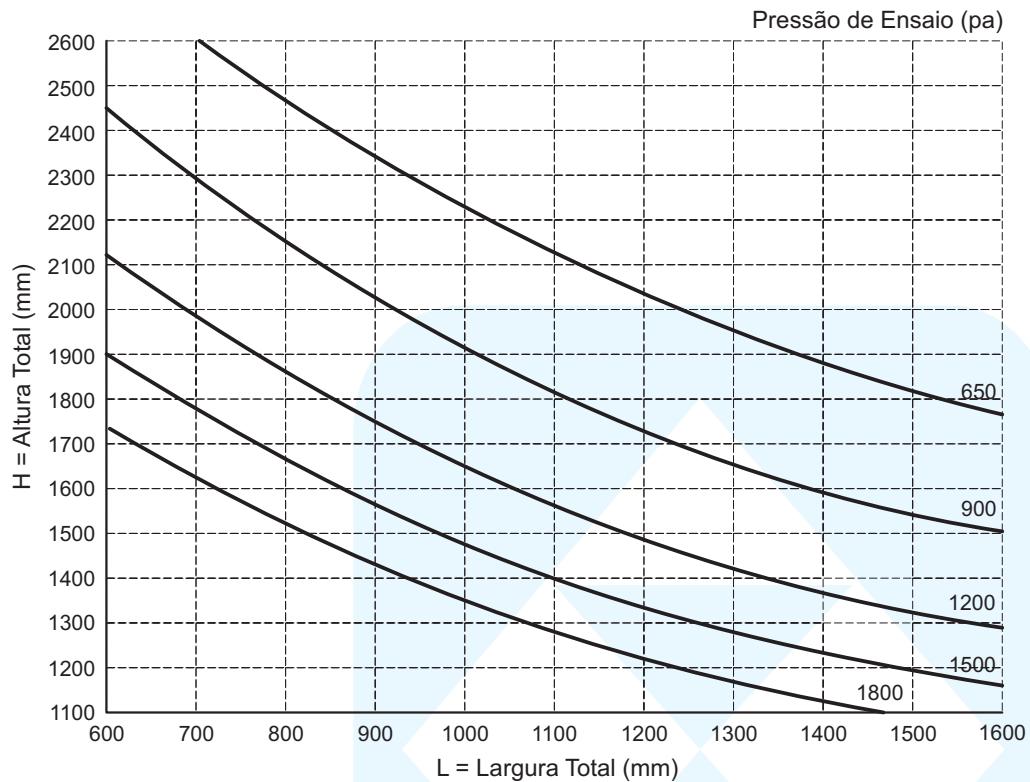
Área = 149 mm<sup>2</sup>  
Jx = 24853 mm<sup>4</sup>  
Wx = 1301 mm<sup>3</sup>

Área = 260,4 mm<sup>2</sup>  
Jx = 149811 mm<sup>4</sup>  
Wx = 3700 mm<sup>3</sup>

J total = 199517 mm<sup>4</sup>

**Montante central  
Janela Maxim ar**  
Liga 6060 T5

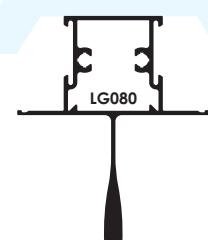
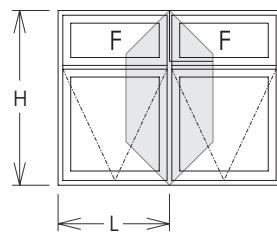
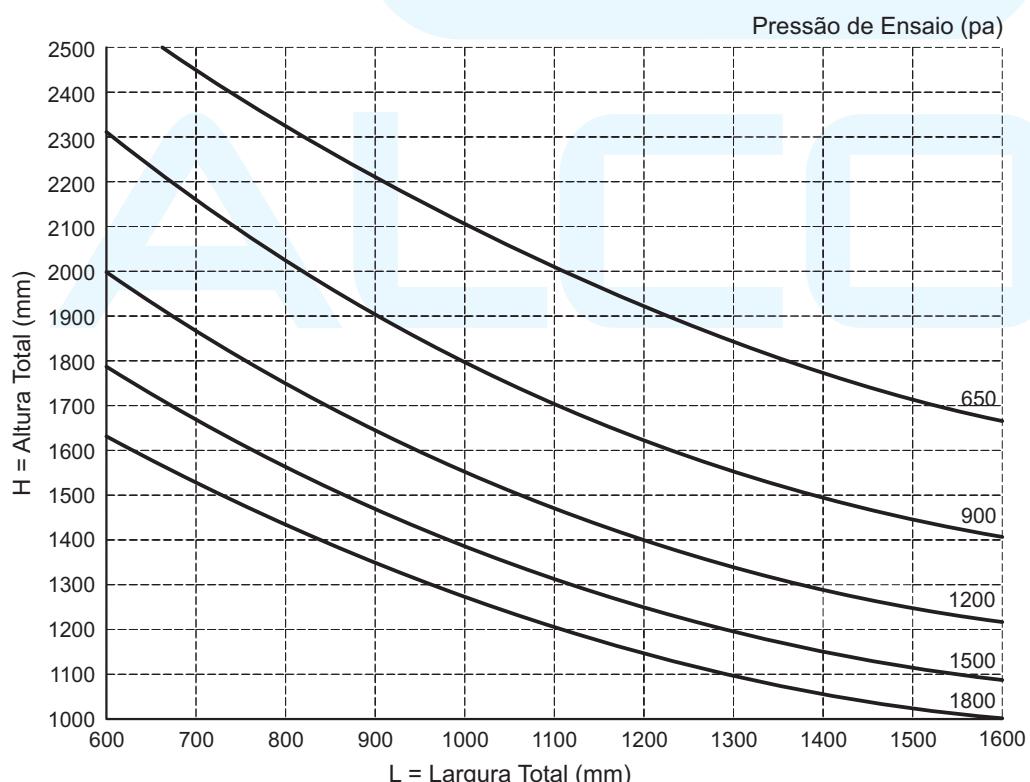
Dimensão máxima da folha = 1200mm x 1200mm,  
limitada pela resistência dos perfis de folha



Área = 425 mm<sup>2</sup>  
Jx = 269390 mm<sup>4</sup>  
Wx = 5780 mm<sup>3</sup>

**Montante central  
Janela Maxim ar**  
Liga 6060 T5

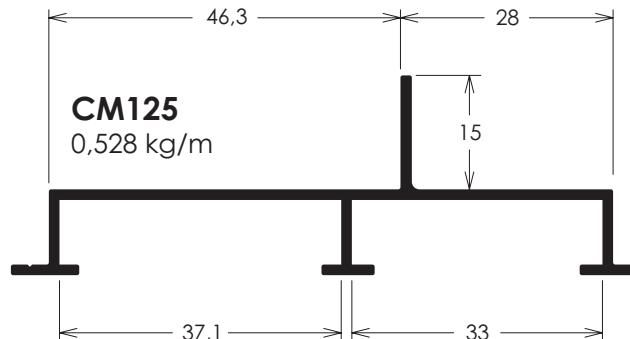
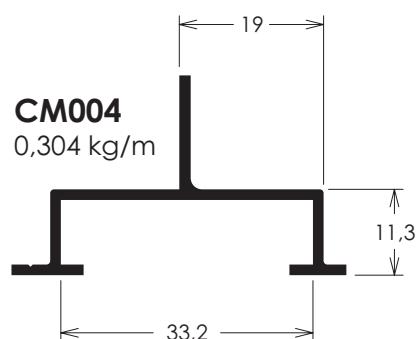
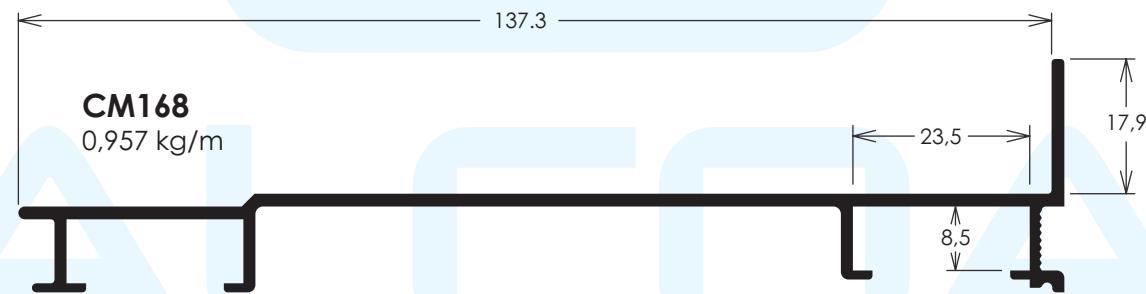
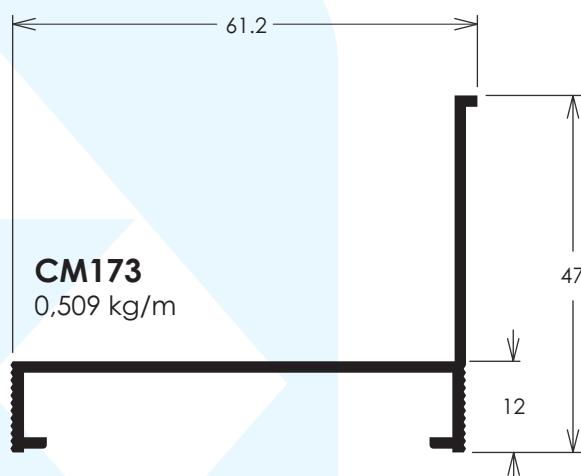
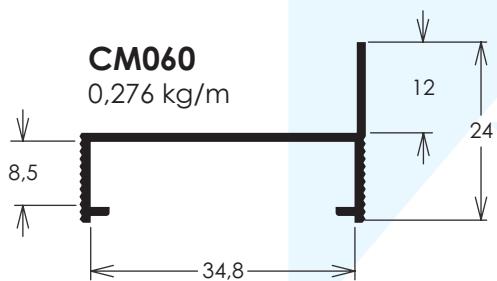
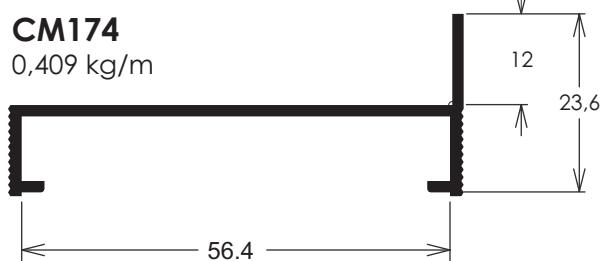
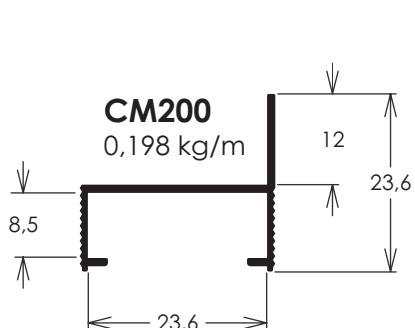
Dimensão máxima da folha = 1200mm x 1200mm,  
limitada pela resistência dos perfis de folha

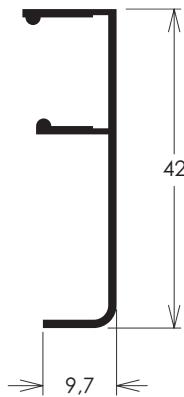
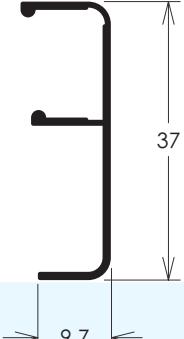
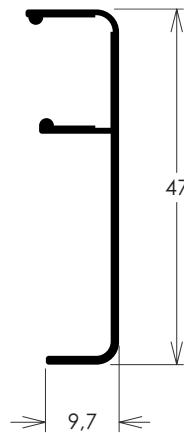
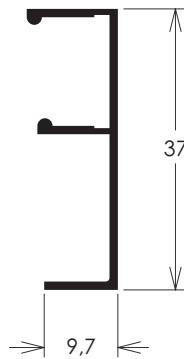
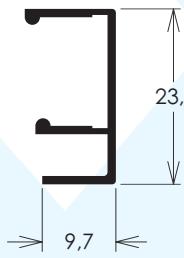
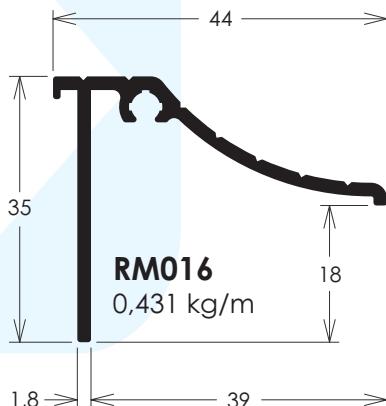
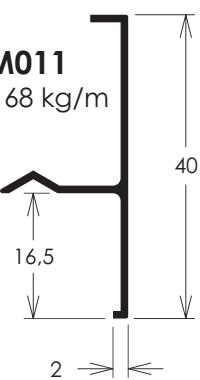
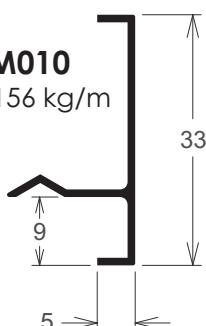
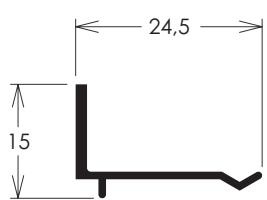
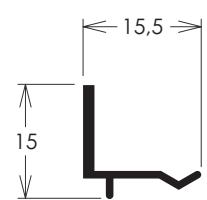


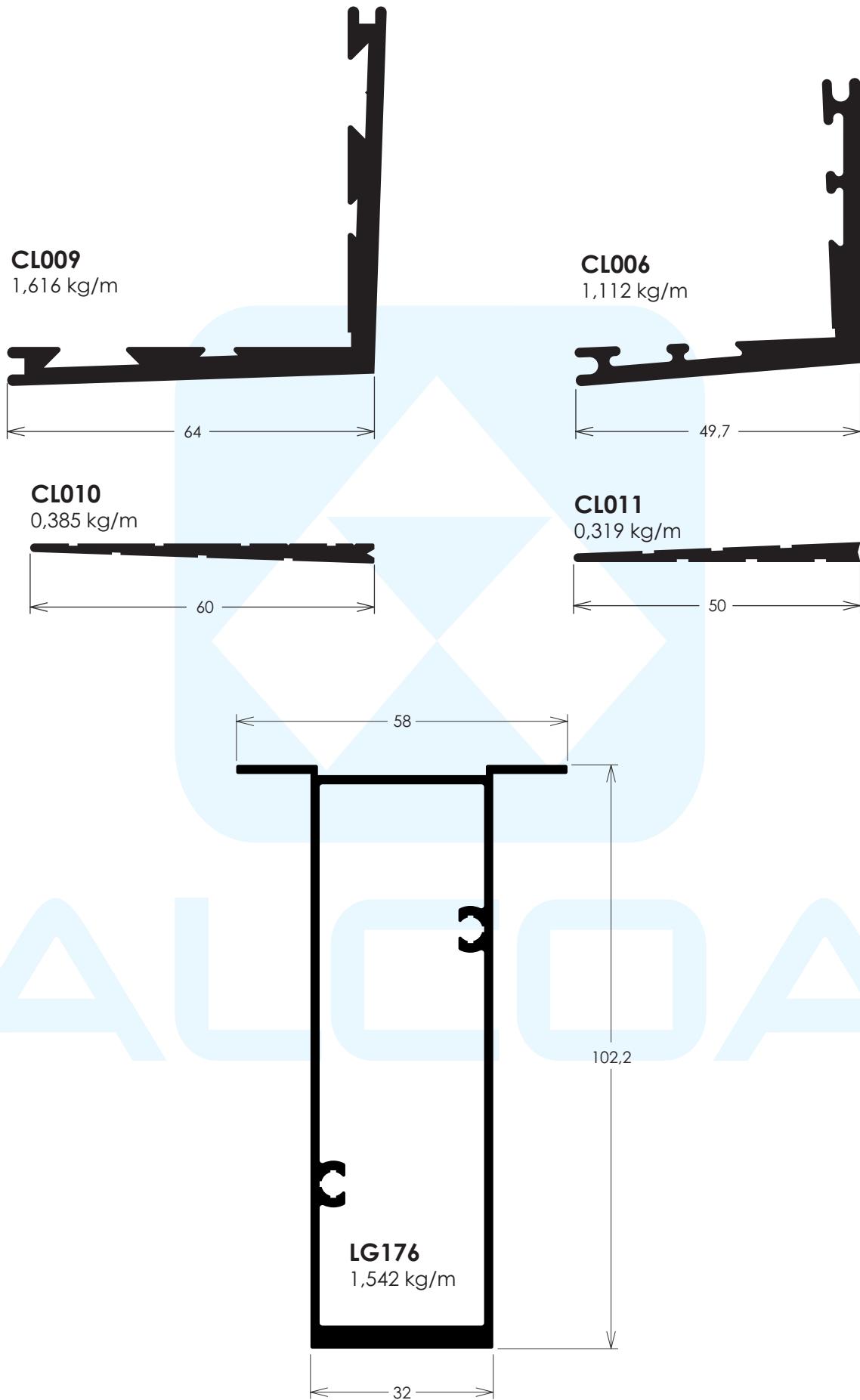
Área = 428 mm<sup>2</sup>  
Jx = 219822 mm<sup>4</sup>  
Wx = 5130 mm<sup>3</sup>

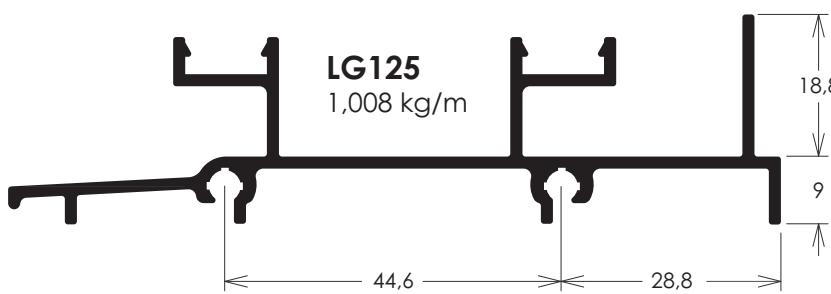
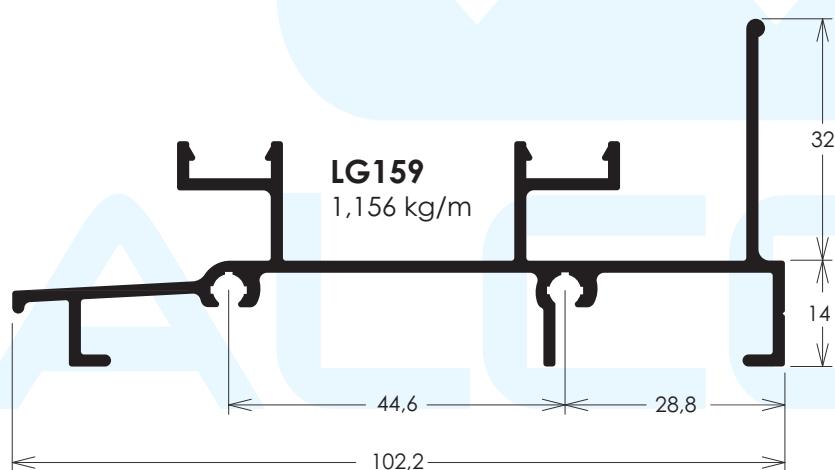
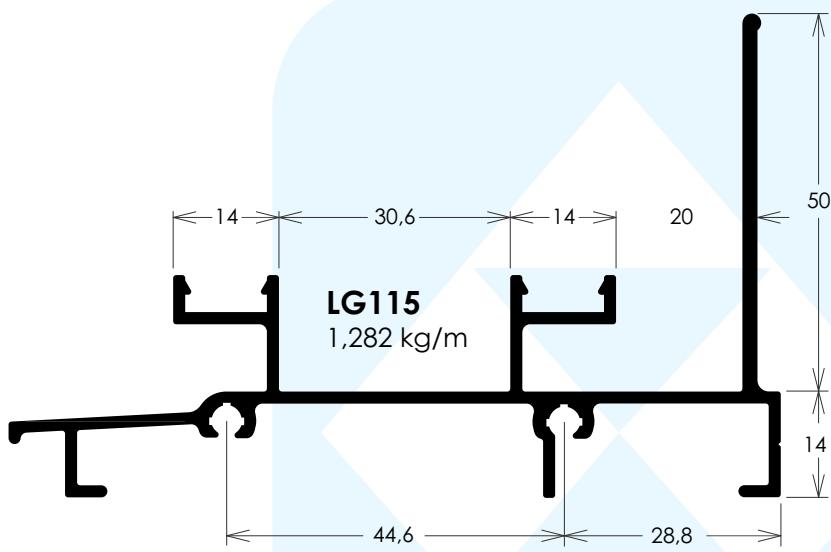
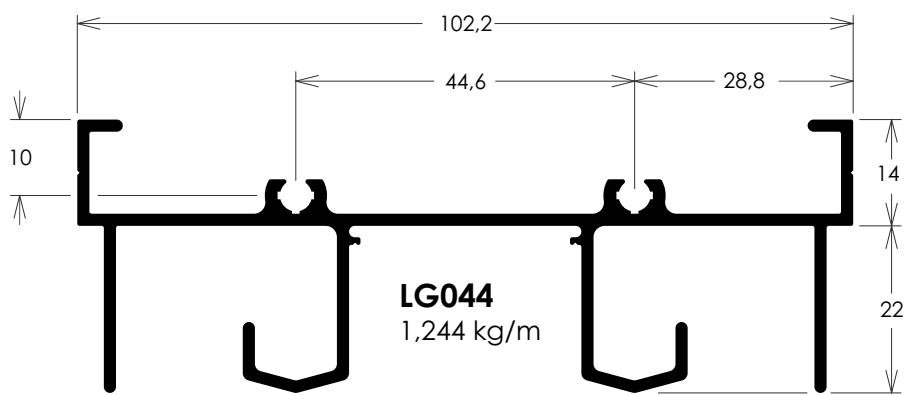
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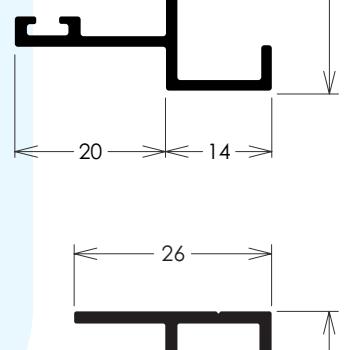
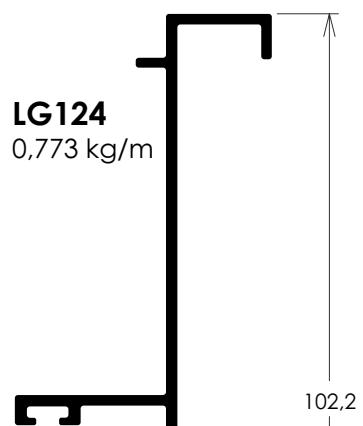


**RM008**  
0,214 kg/m

**RM002**  
0,195 kg/m

**RM029**  
0,225 kg/m

**RM005**  
0,202 kg/m

**RM006**  
0,160 kg/m

**RM016**  
0,431 kg/m

**RM011**  
0,168 kg/m

**RM010**  
0,156 kg/m

**CM013**  
0,121 kg/m

**CM014**  
0,097 kg/m


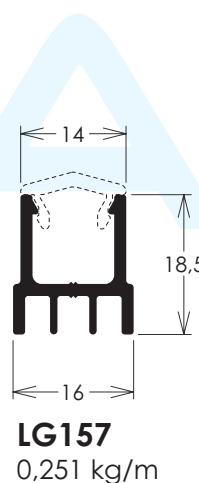
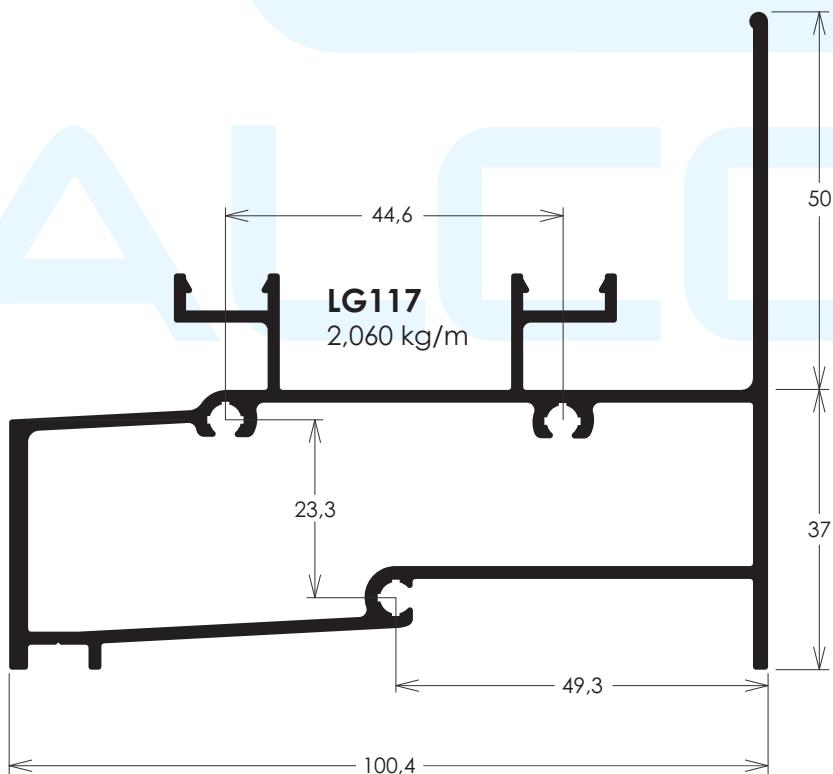
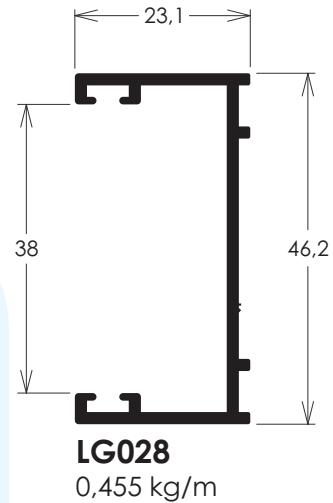
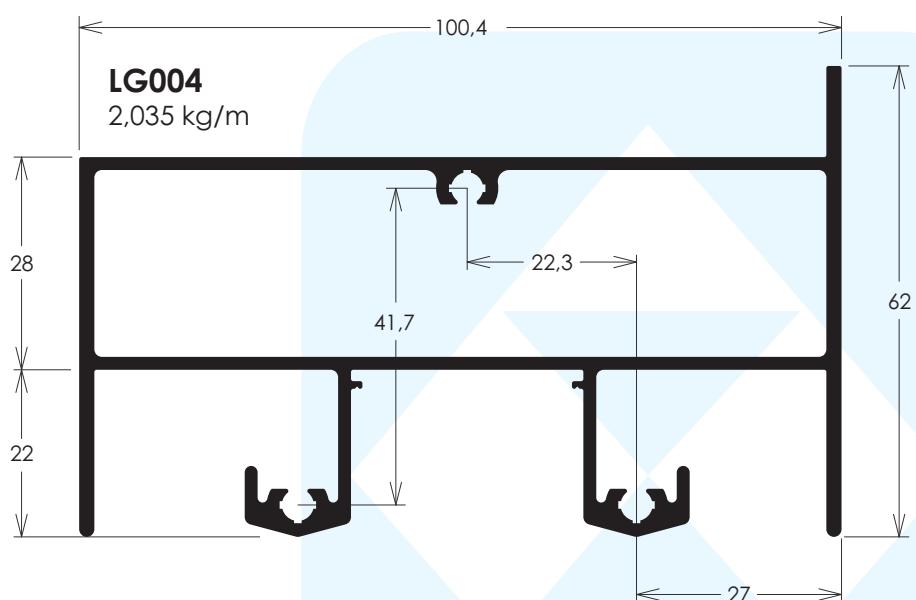
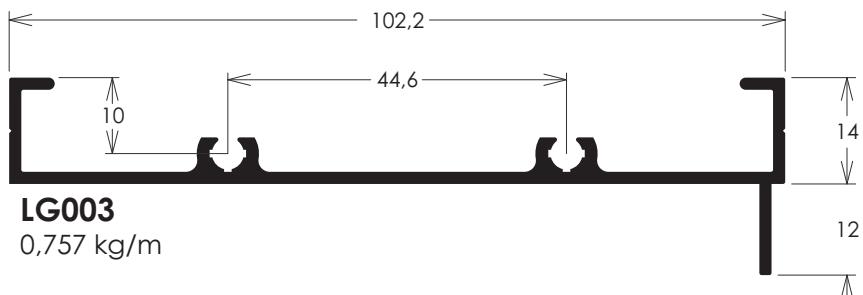


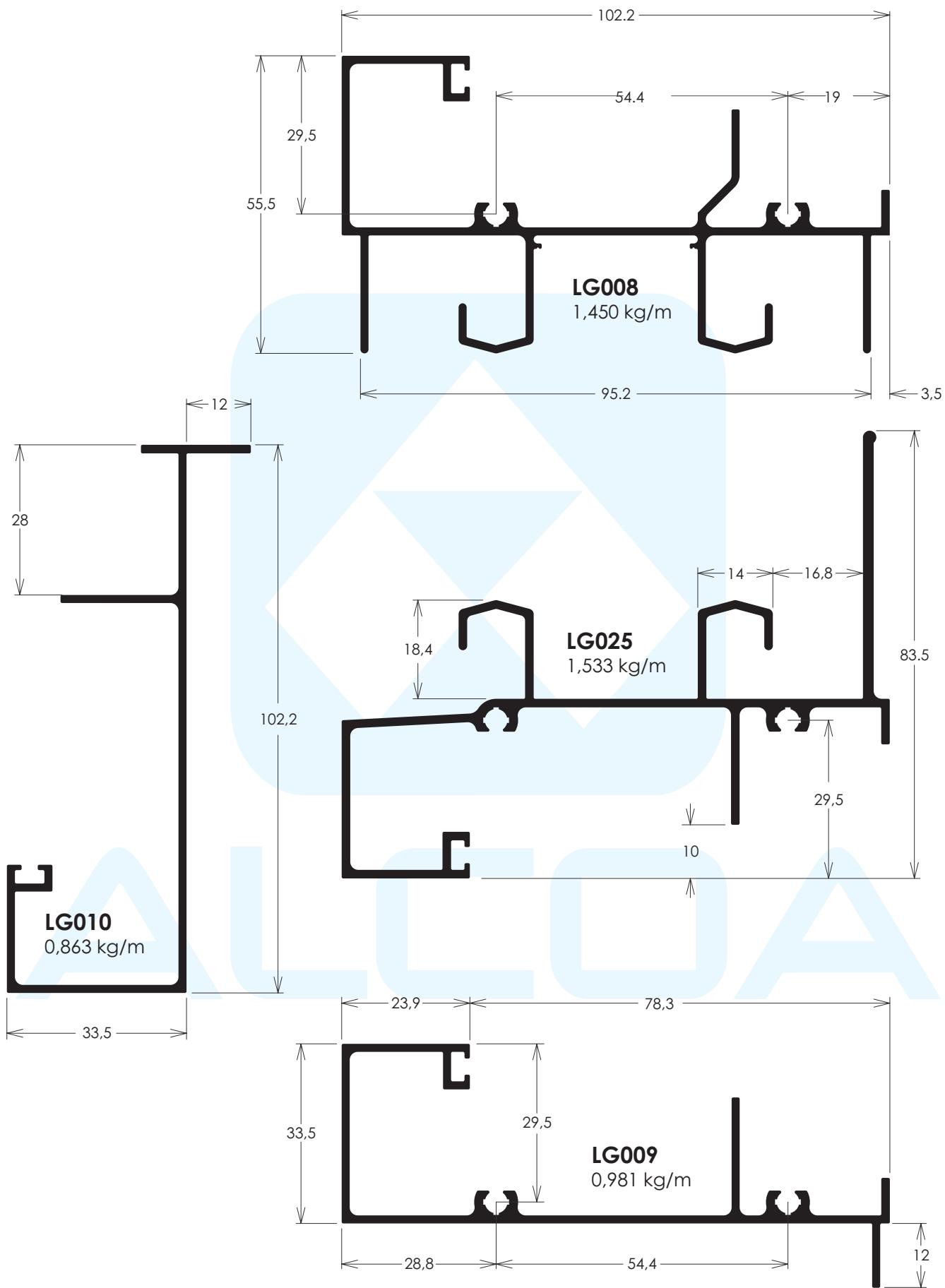


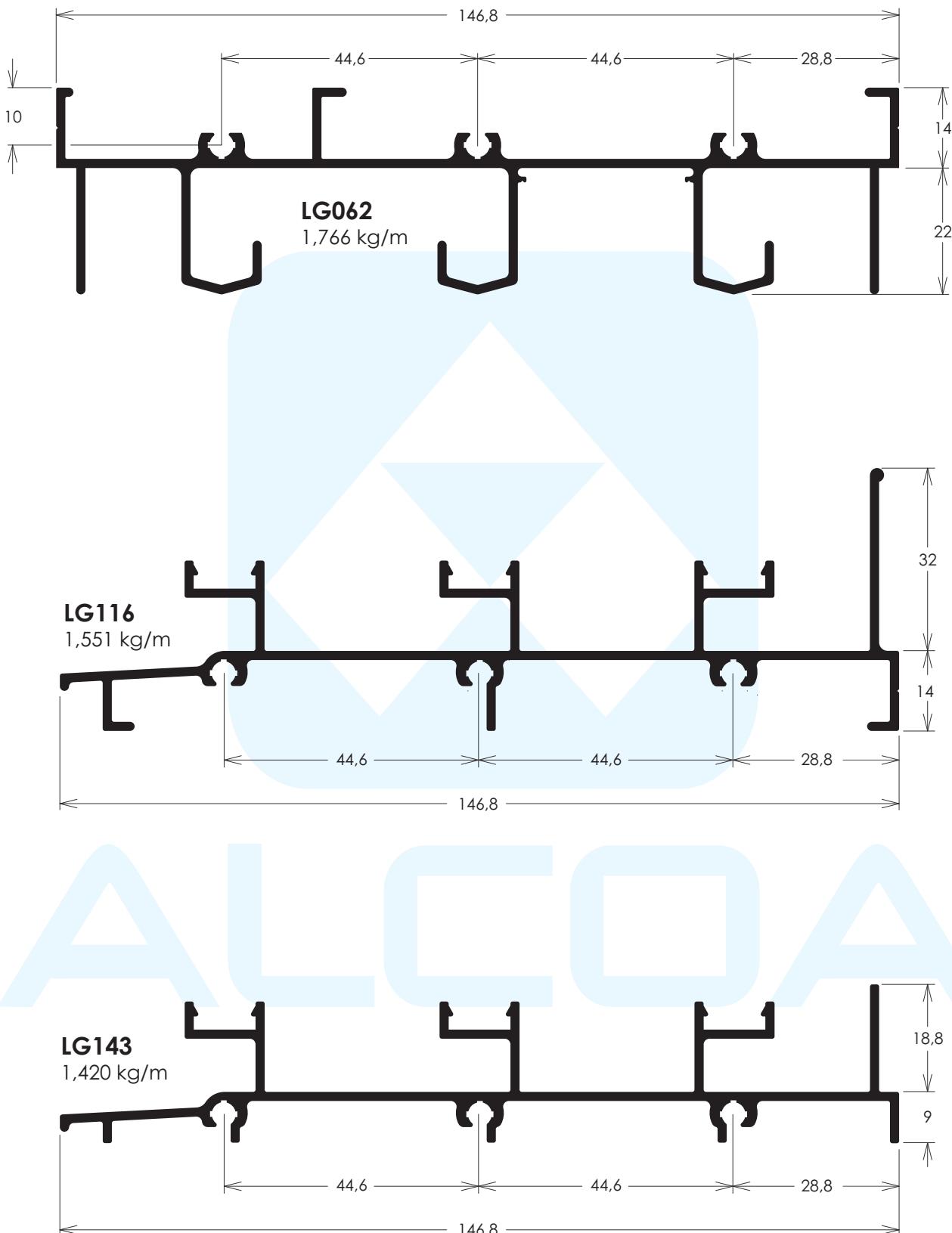
**LG124**  
0,773 kg/m



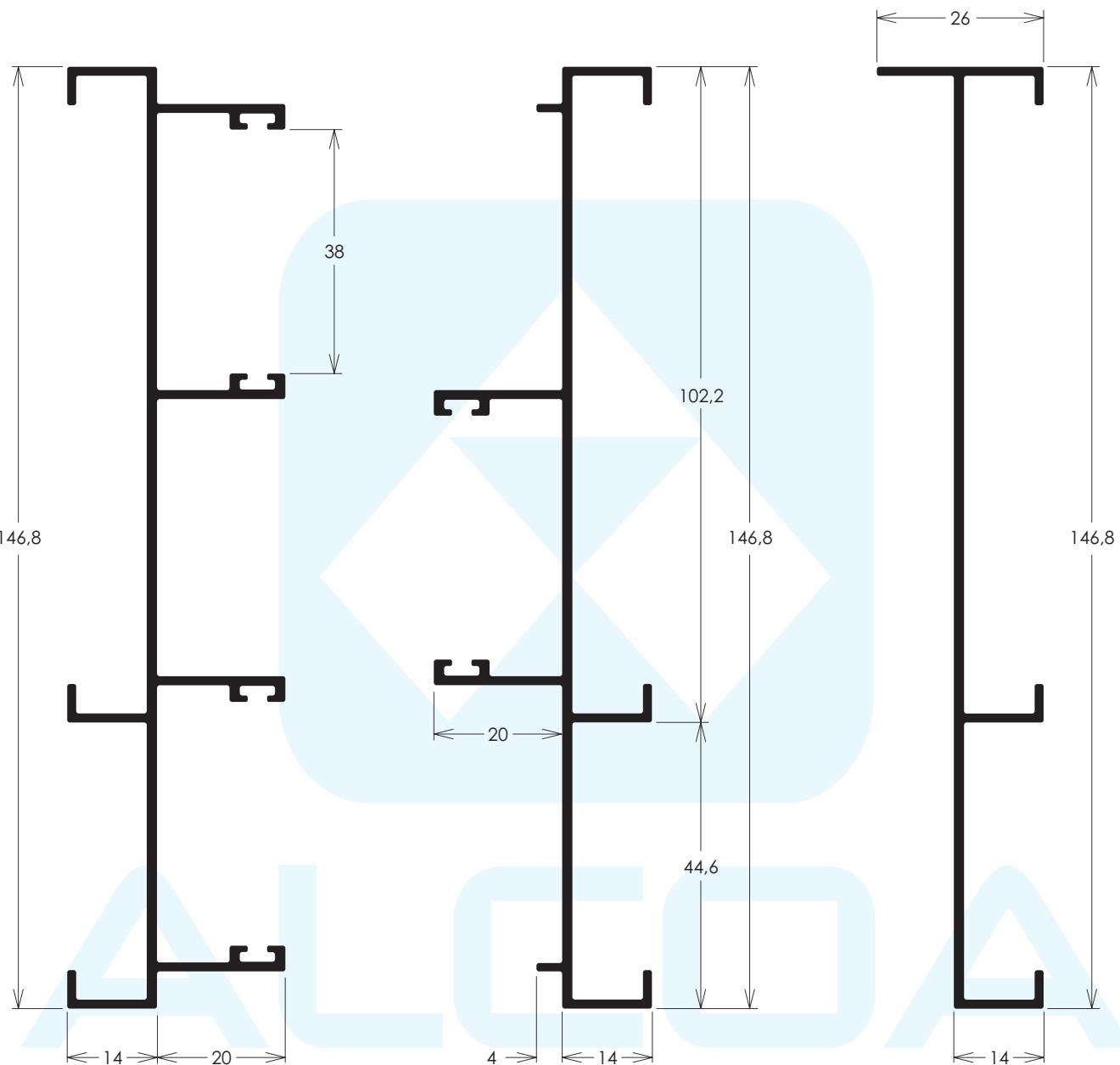
Usar este trilho somente para regiões I e II,  
para pressão de ensaio de 1000pa







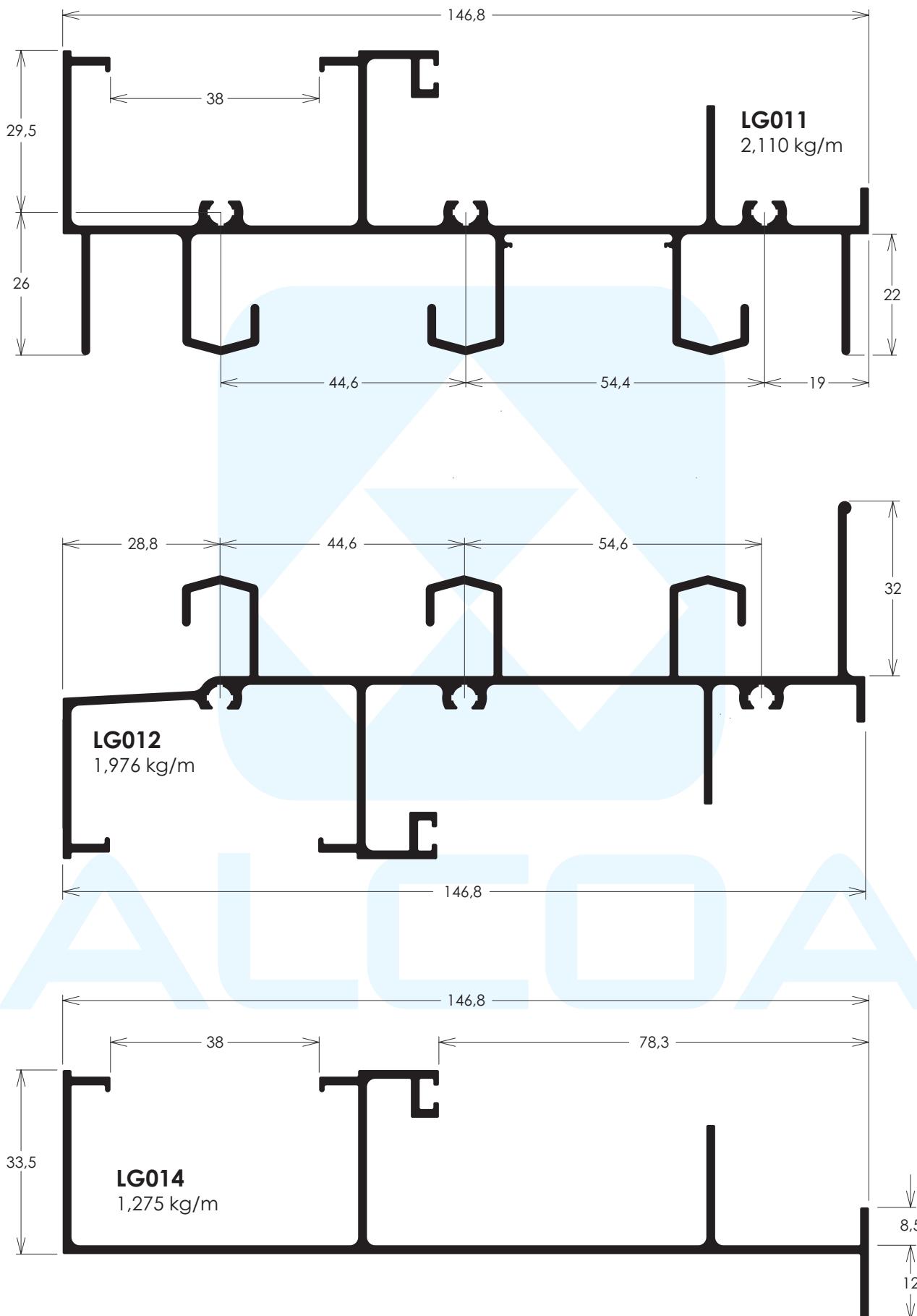
Usar este trilho somente para regiões I e II,  
para pressão de ensaio de 1000pa

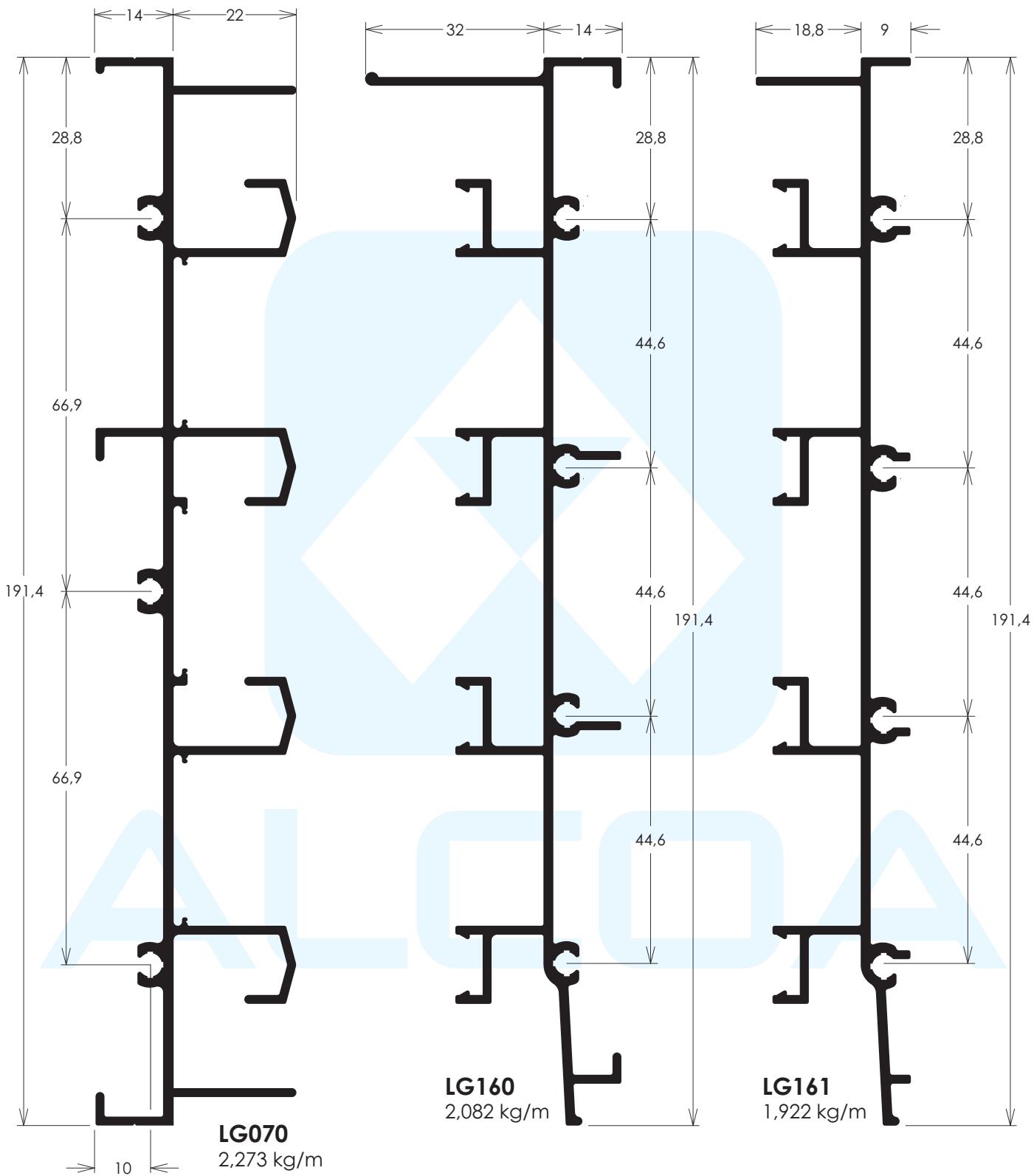


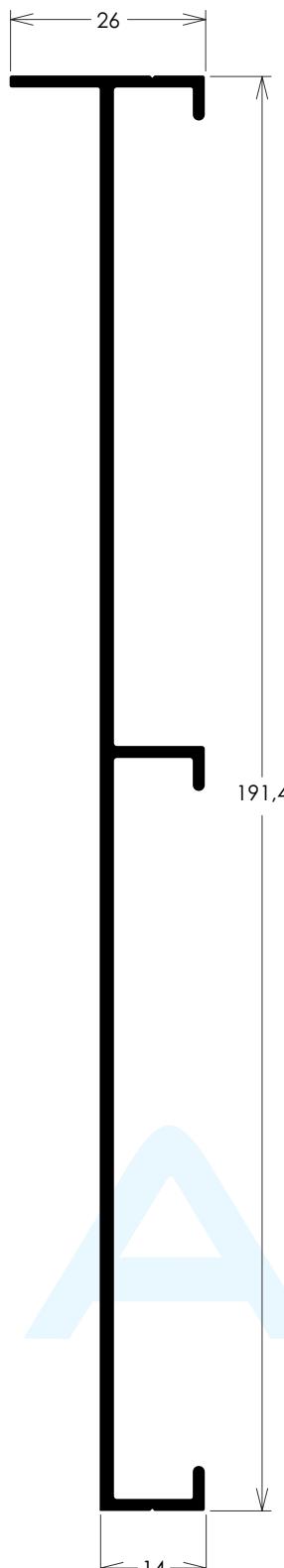
**LG145**  
1,257 kg/m

**LG144**  
1,072 kg/m

**LG158**  
0,876 kg/m





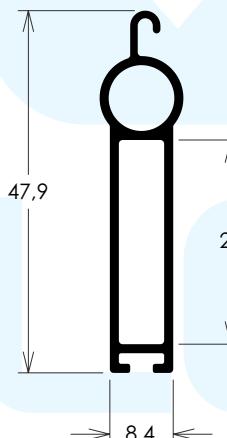


**LG072**  
1,250 kg/m

**MN050**  
0,734 kg/m

97,9

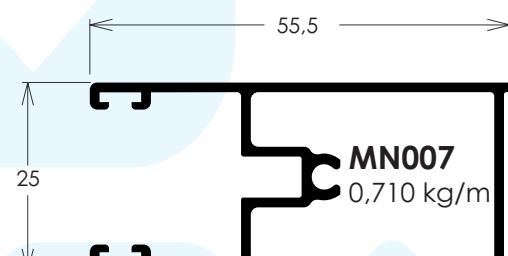
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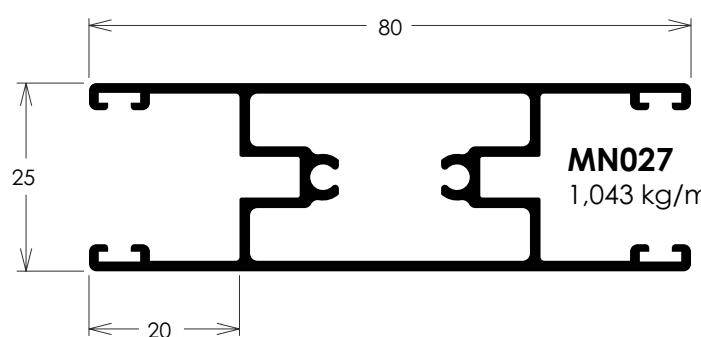
**MN055**  
0,371 kg/m

**MN015**  
0,881 kg/m

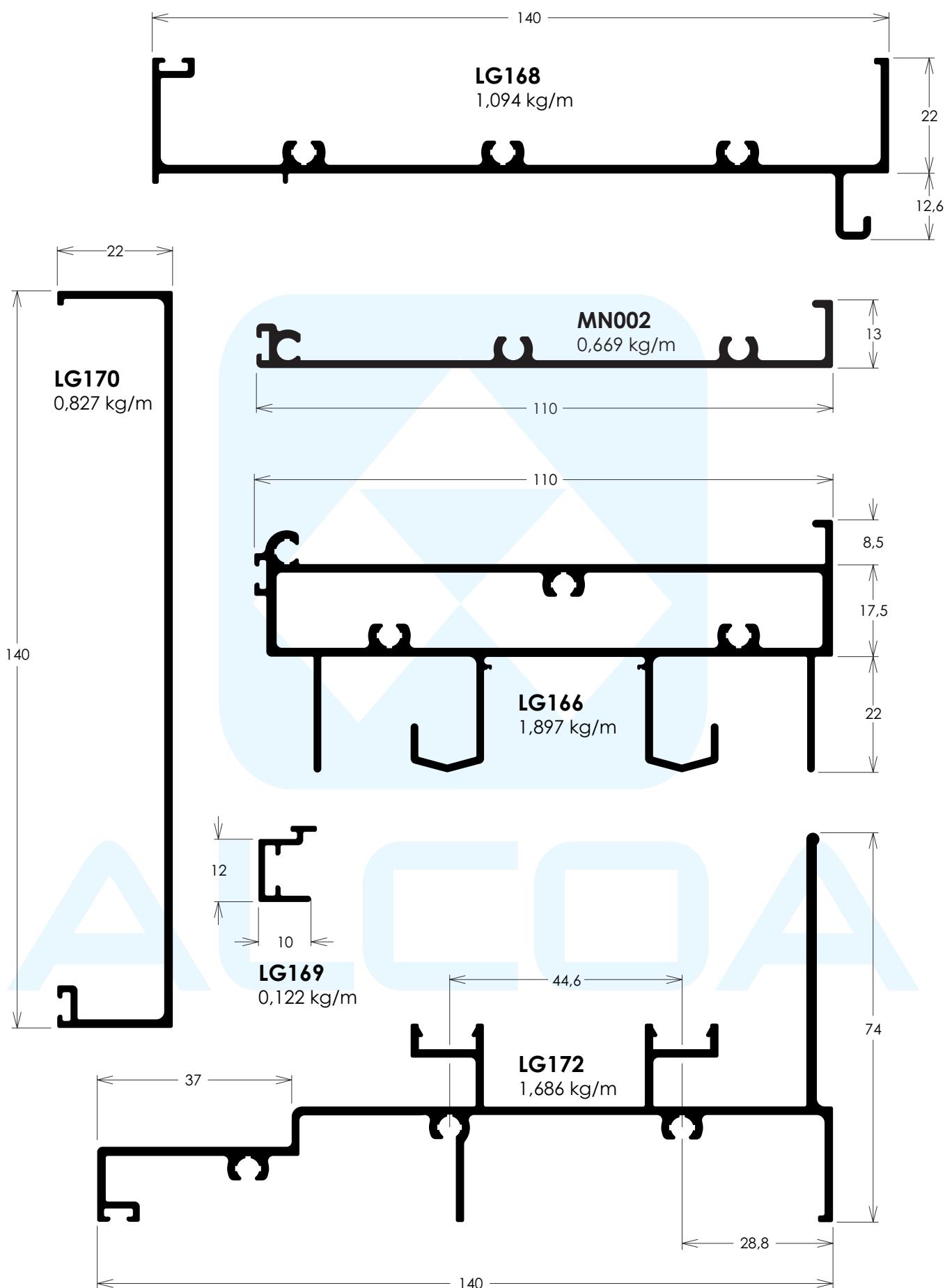
61,7

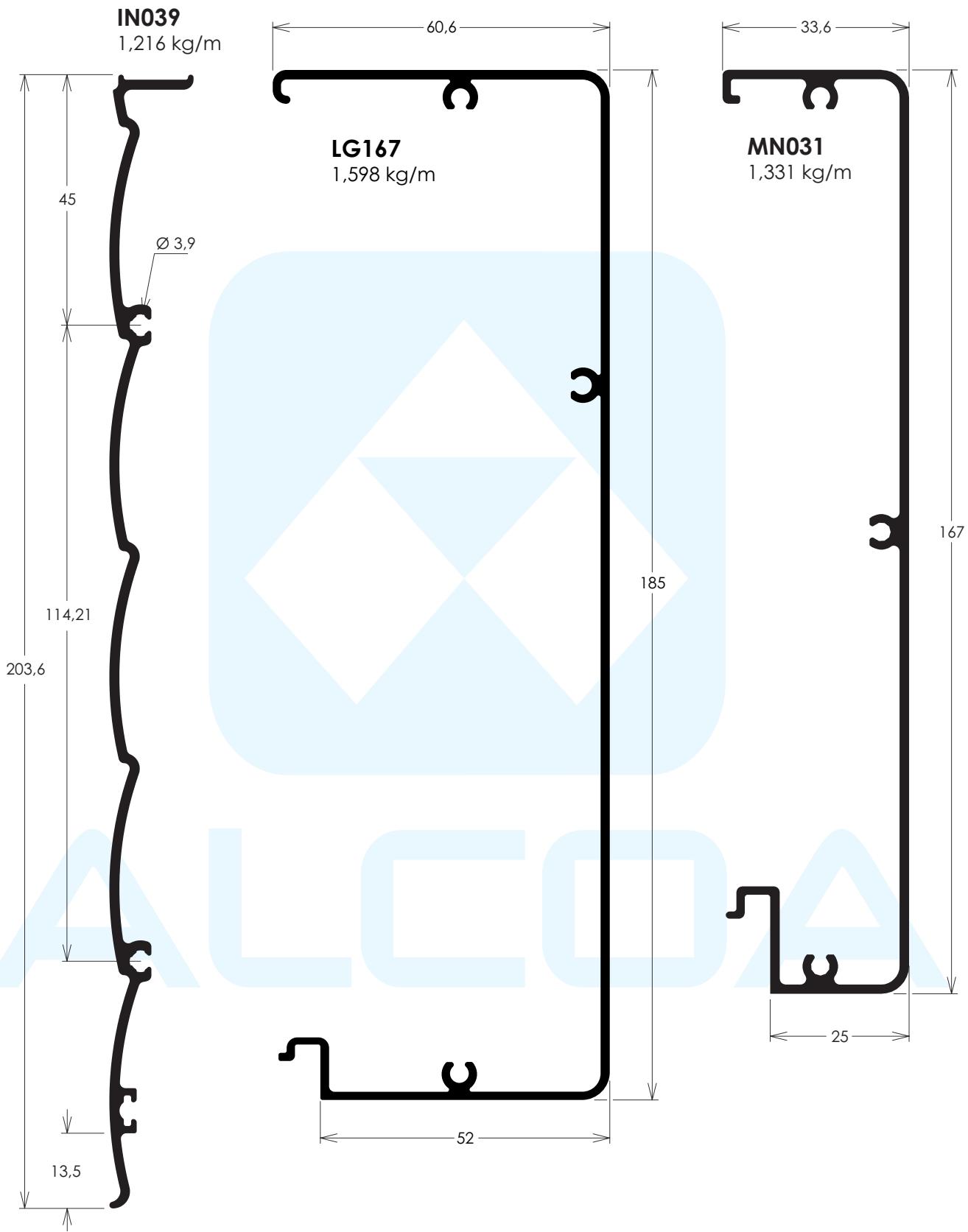


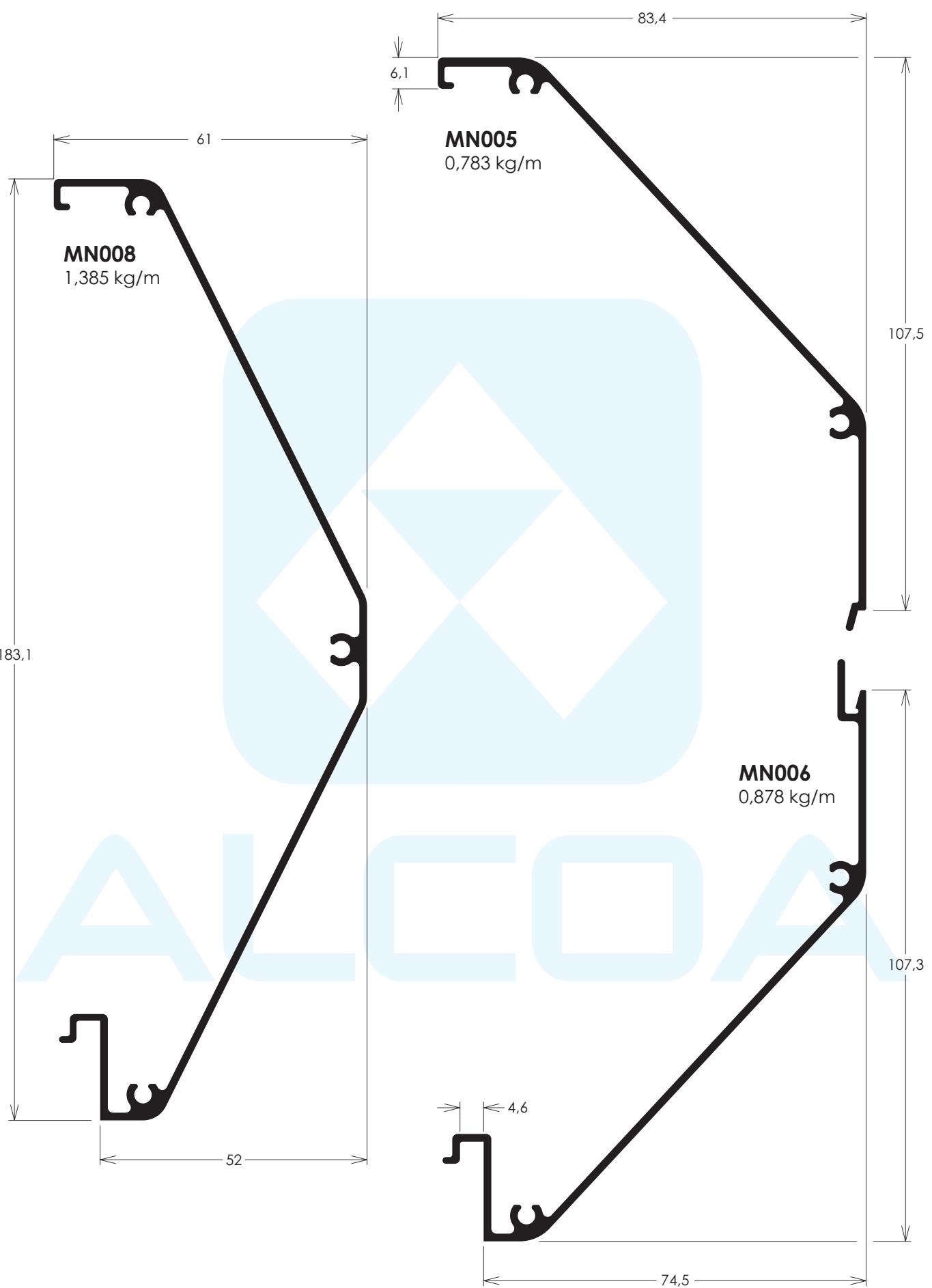
**MN007**  
0,710 kg/m

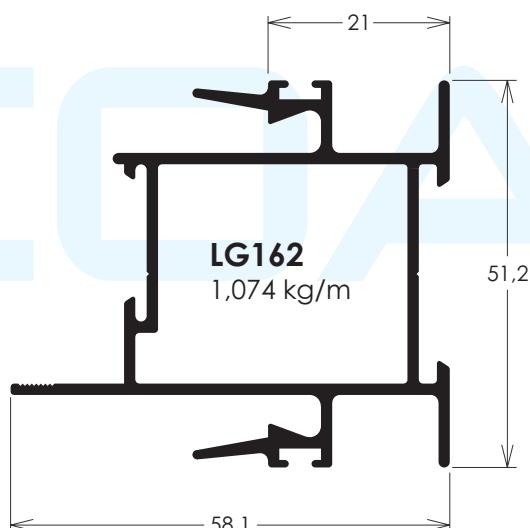
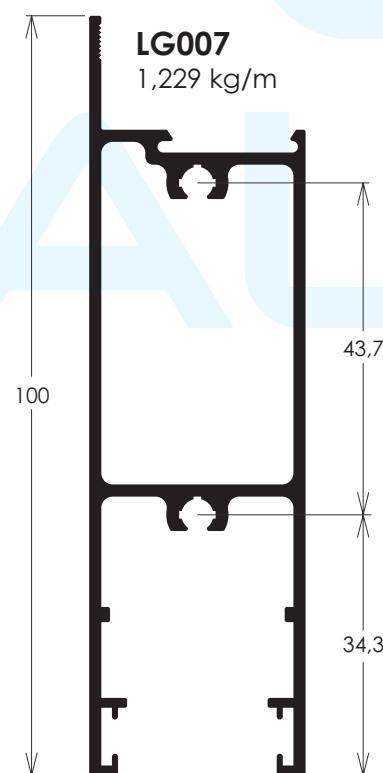
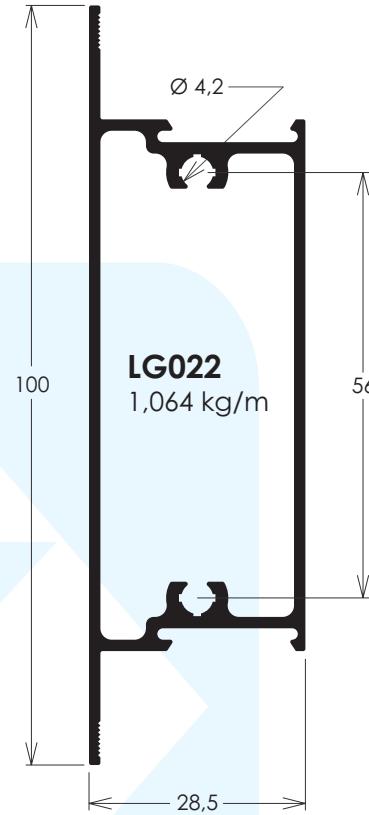
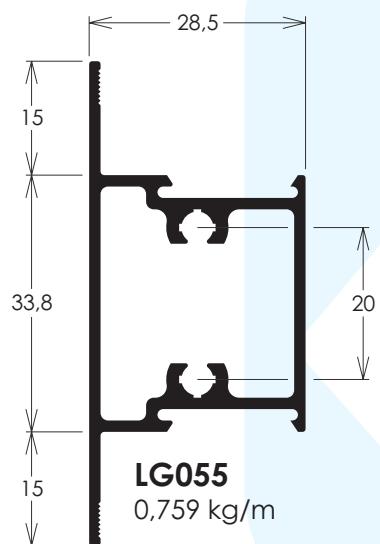
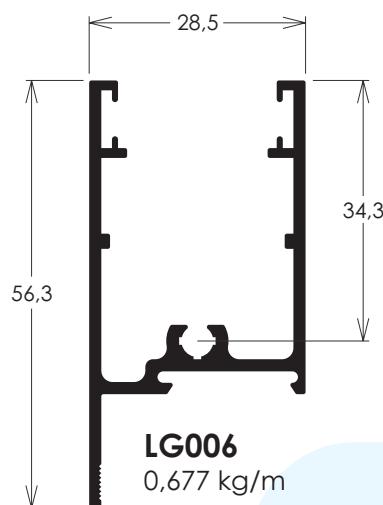


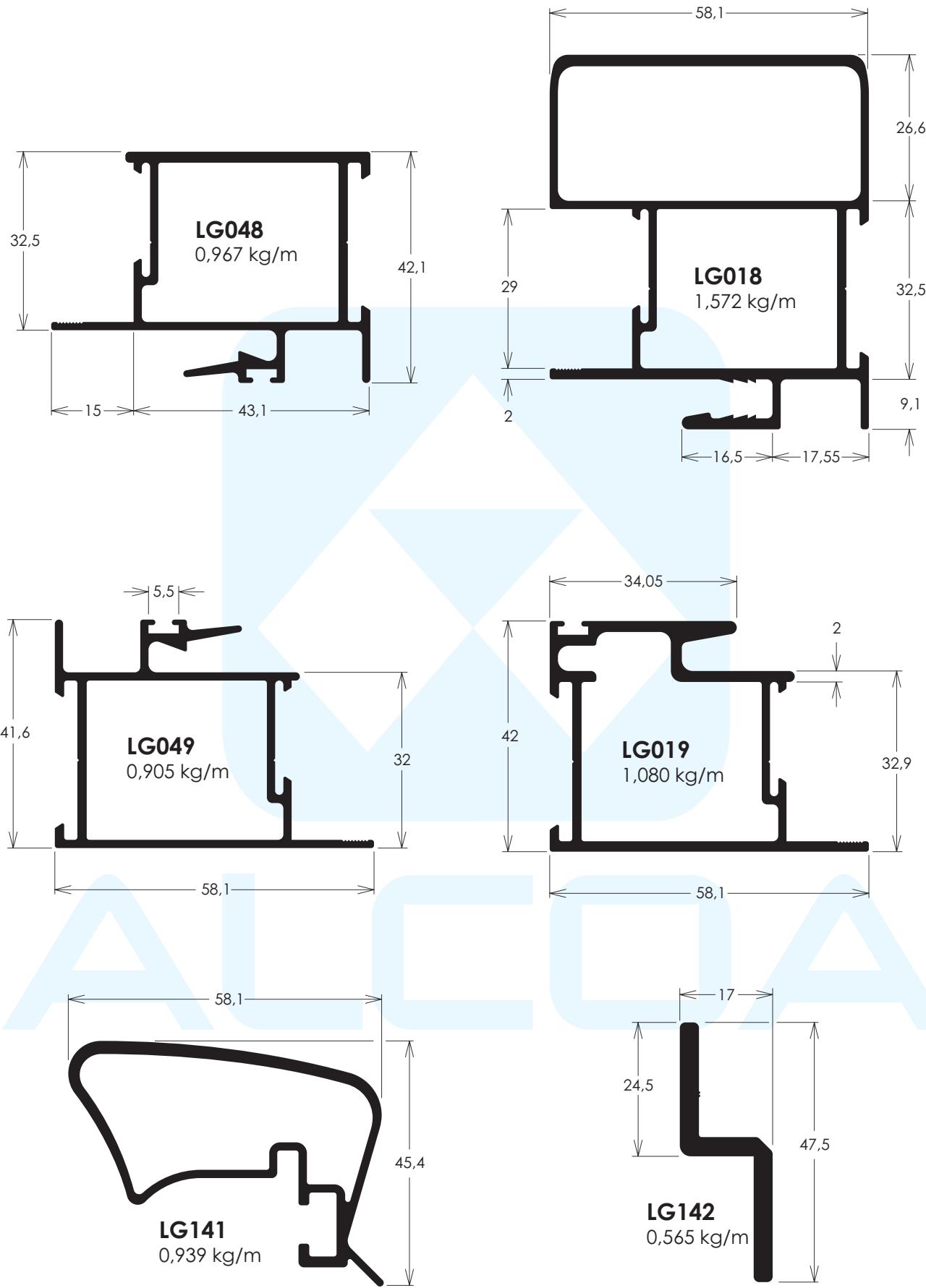
**MN027**  
1,043 kg/m

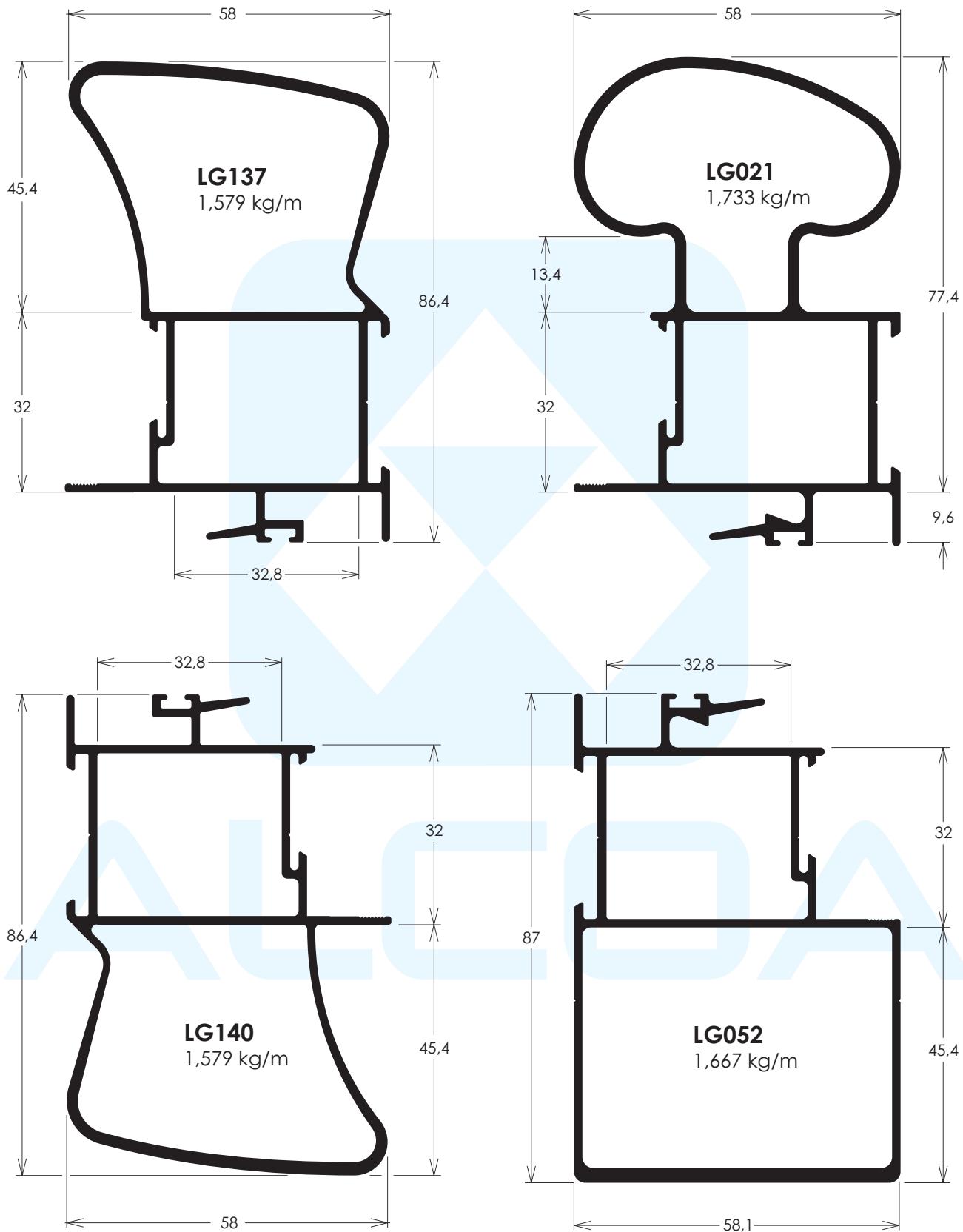


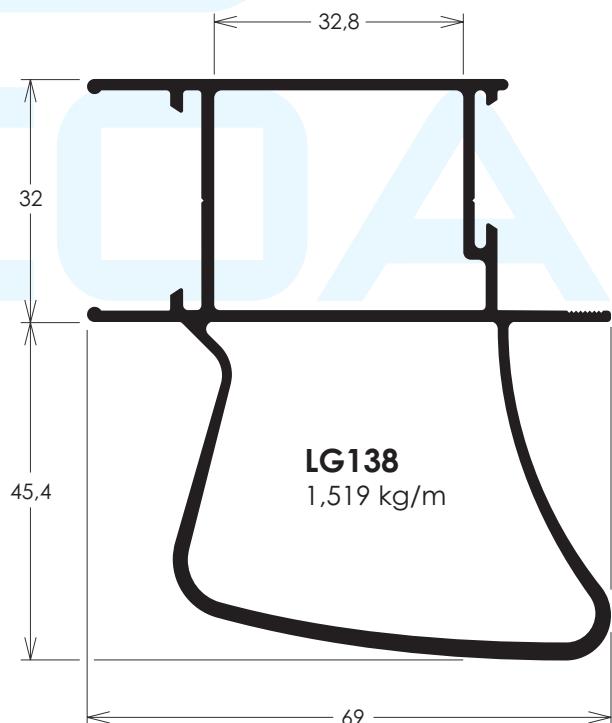
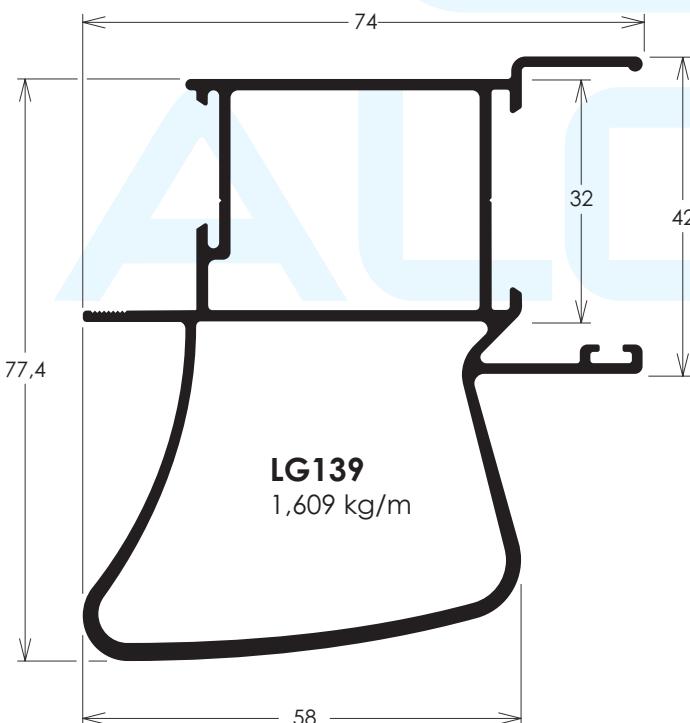
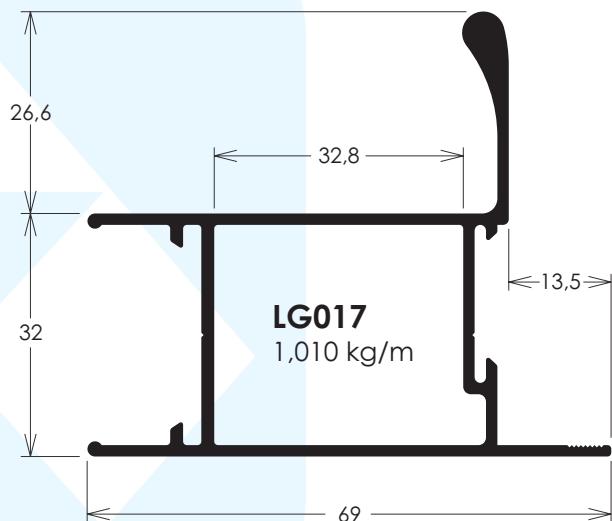
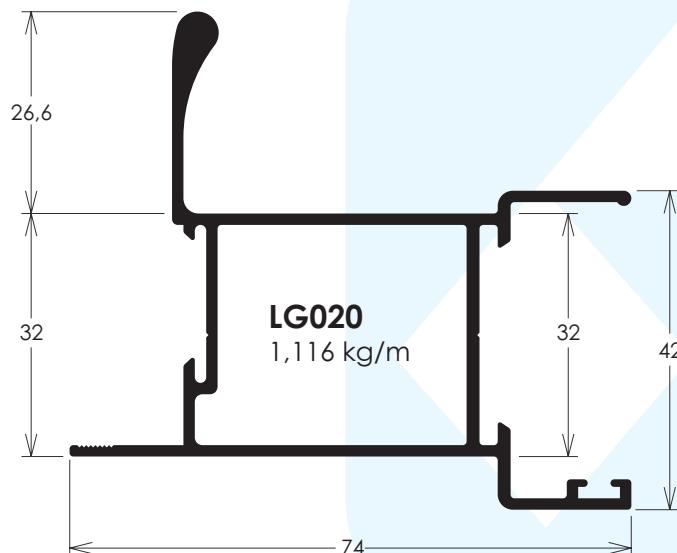
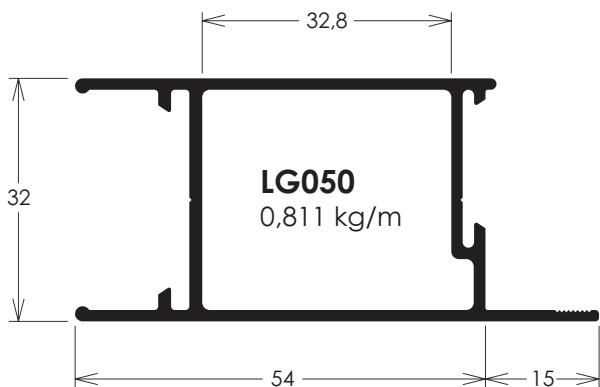
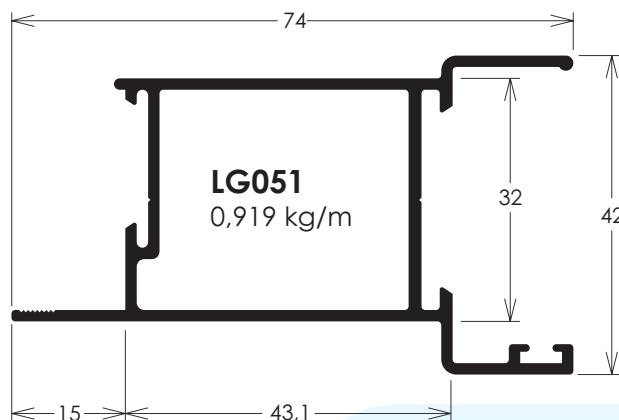


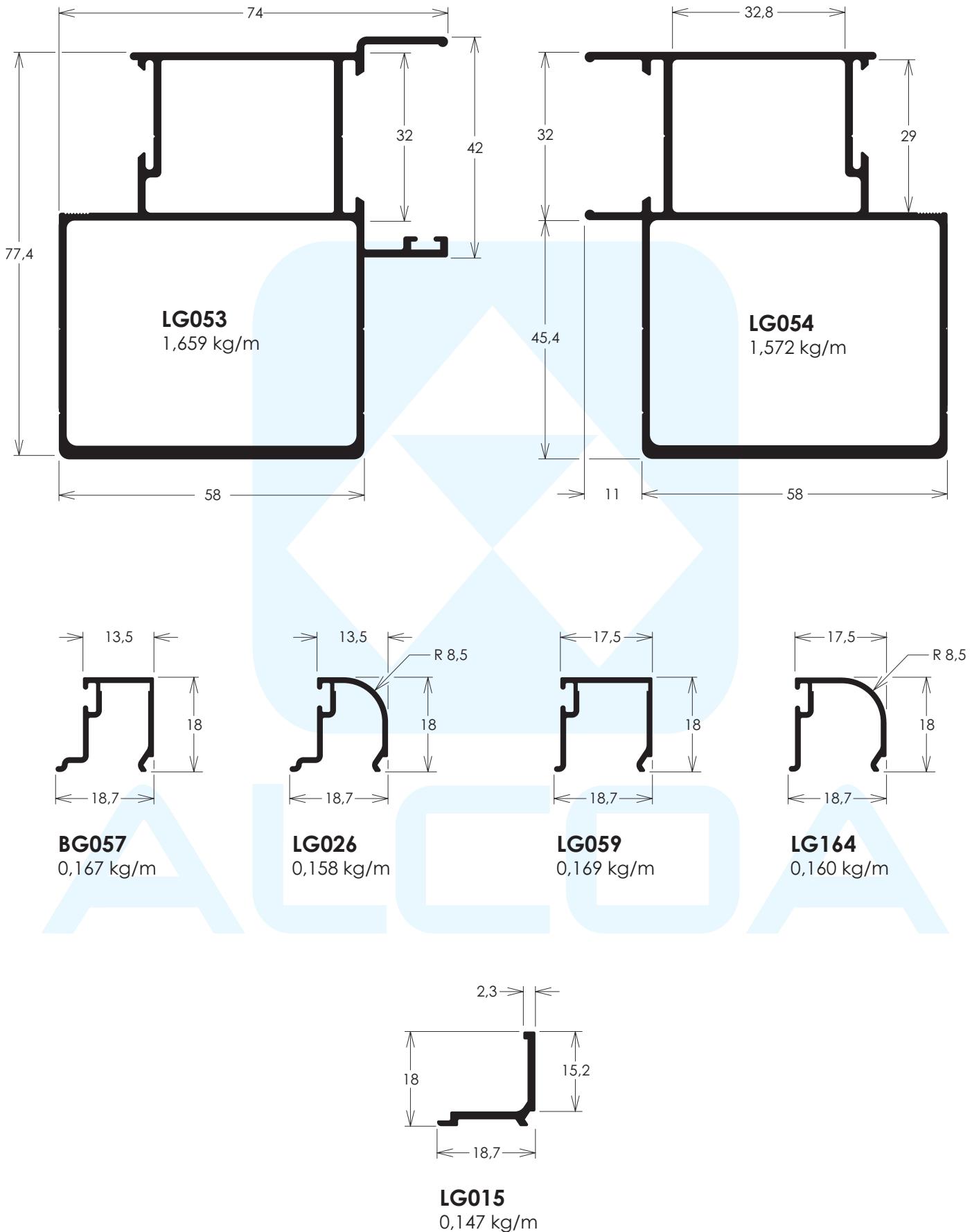


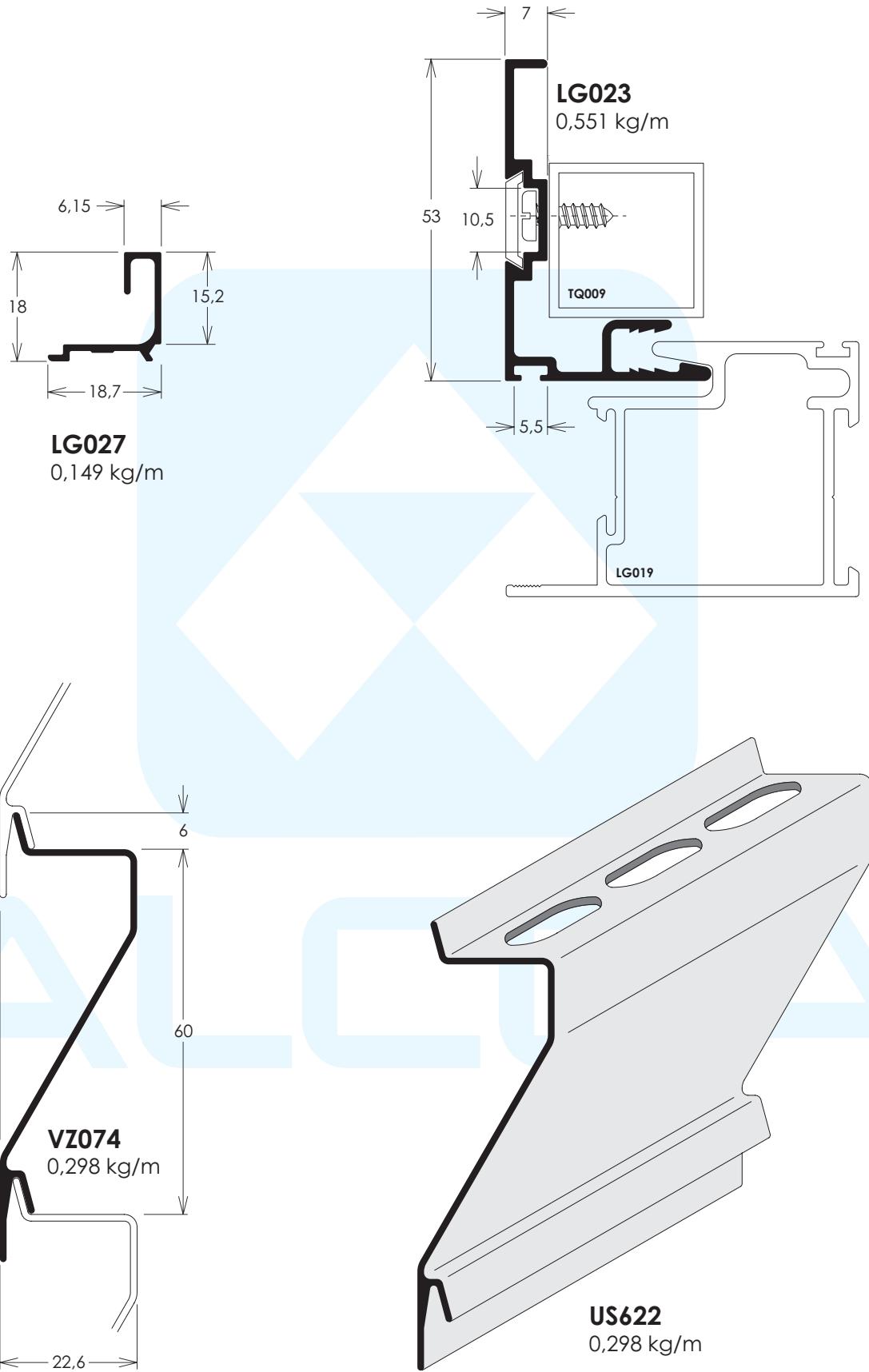


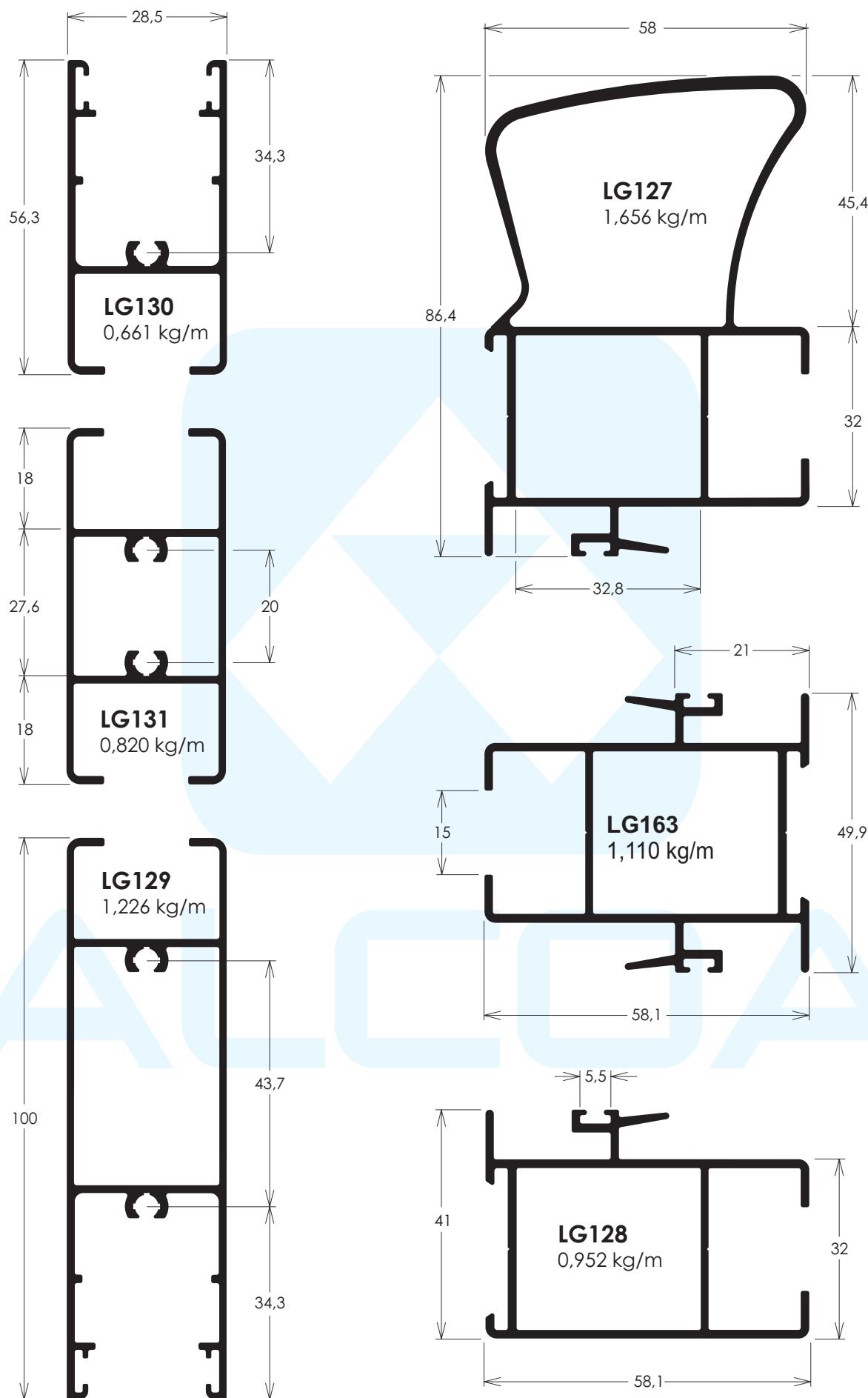


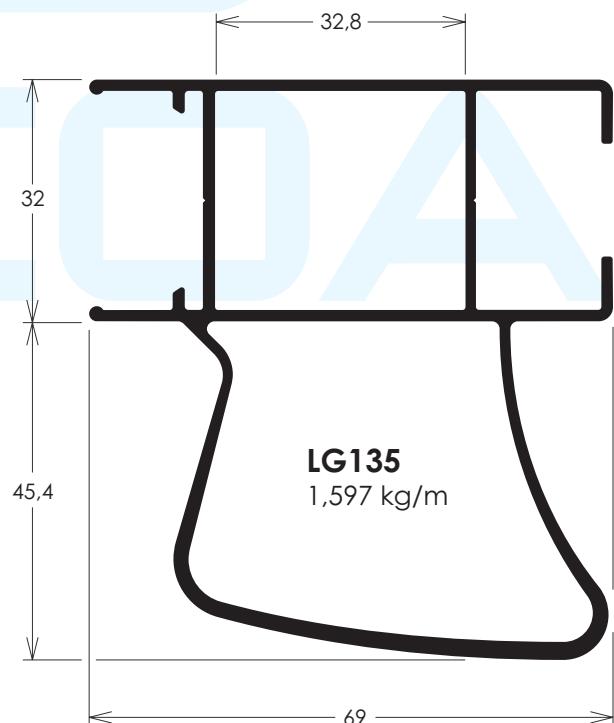
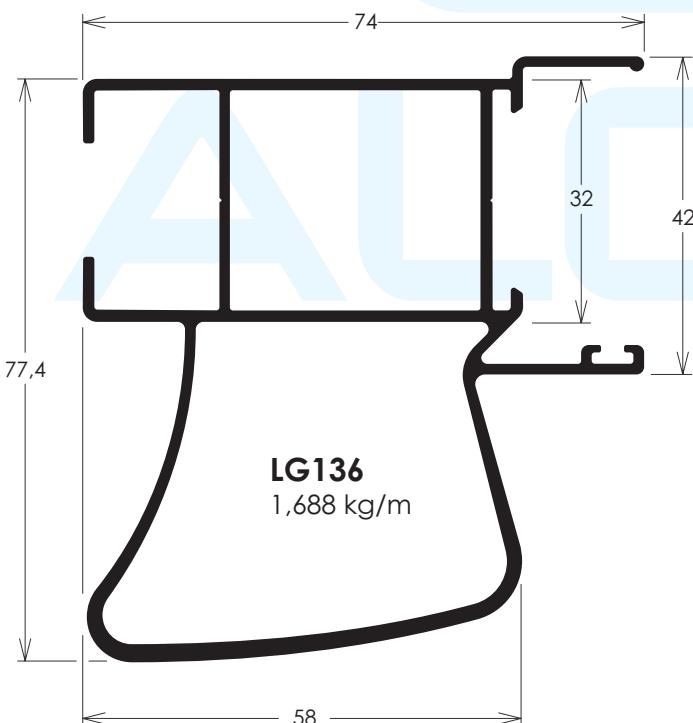
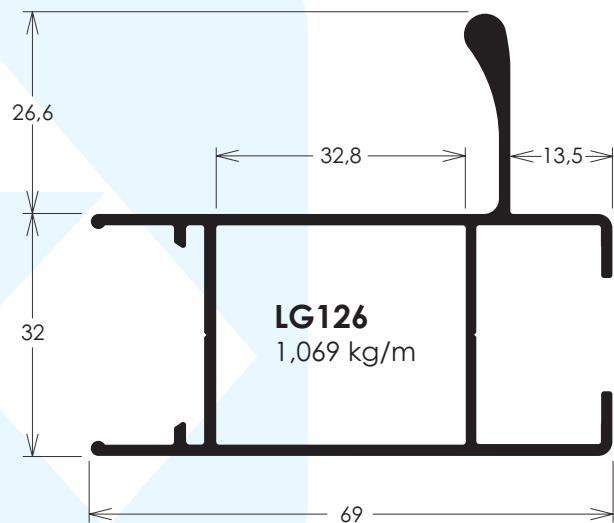
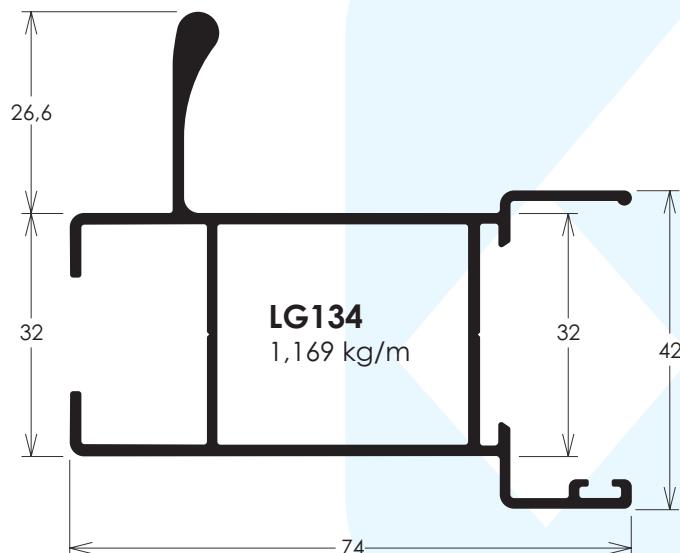
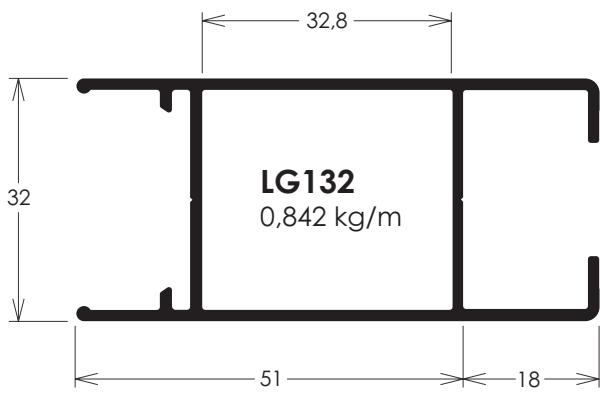
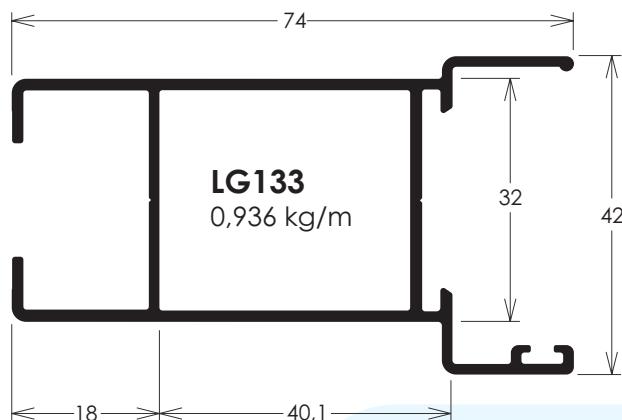


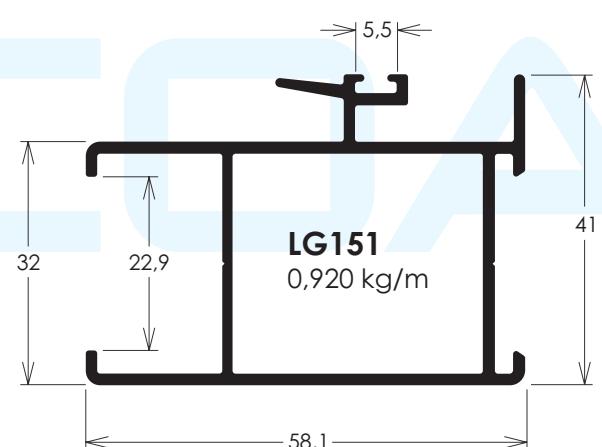
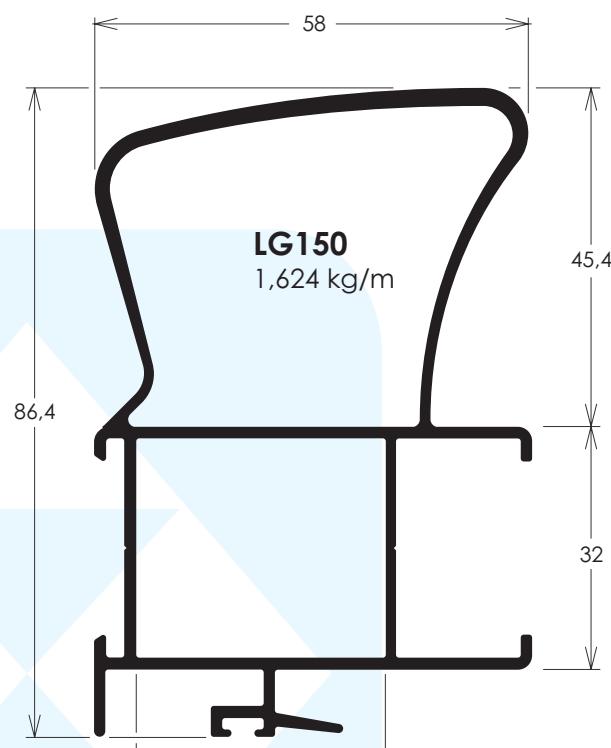
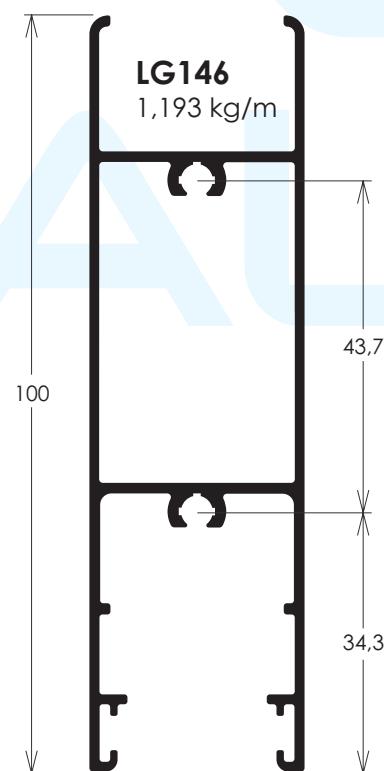
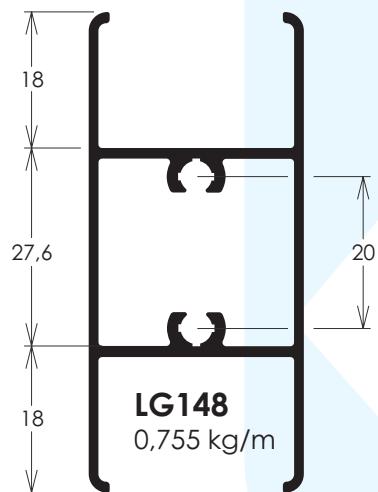
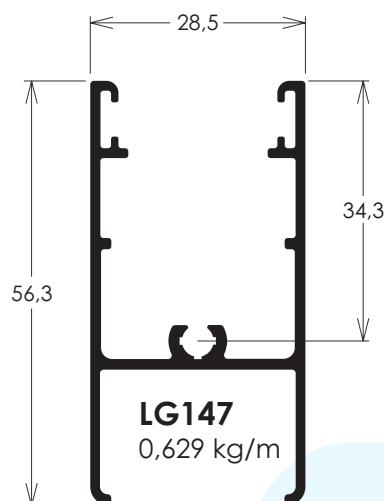


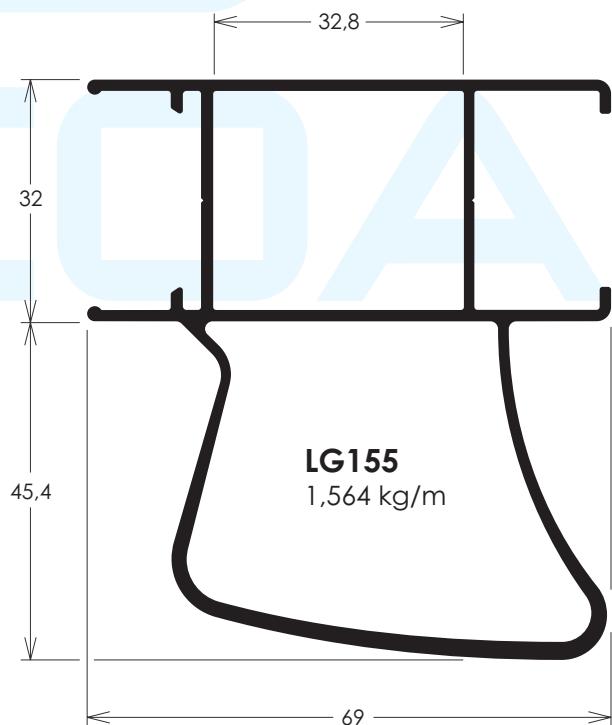
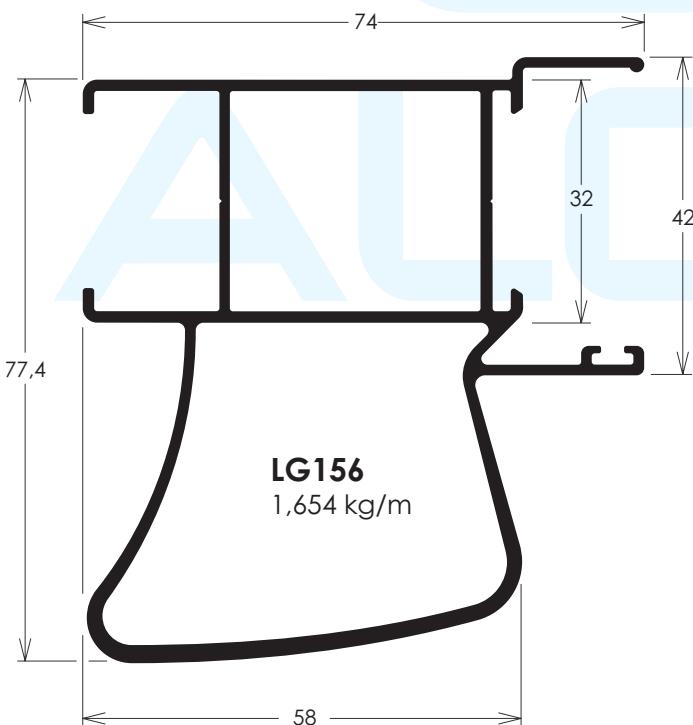
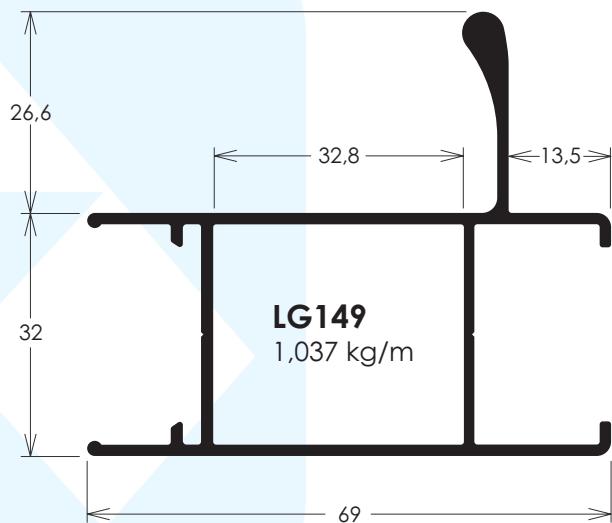
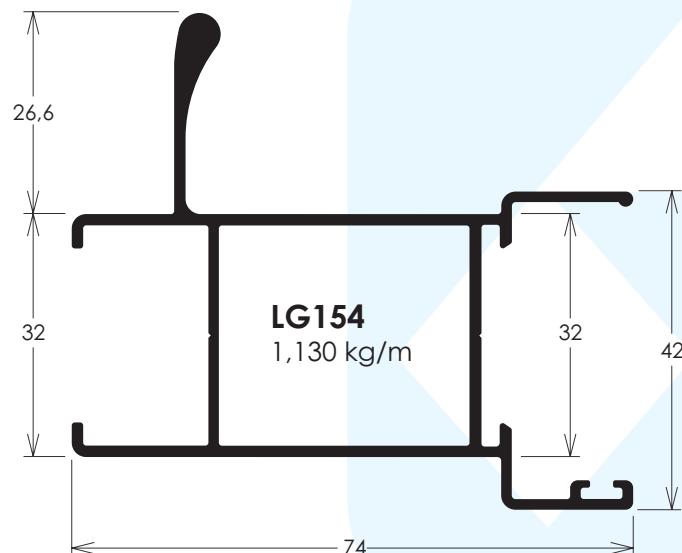
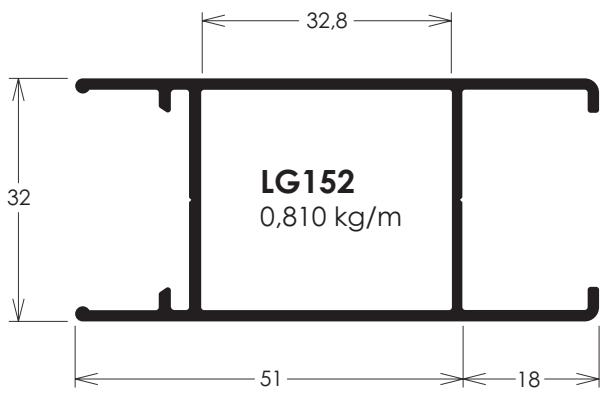
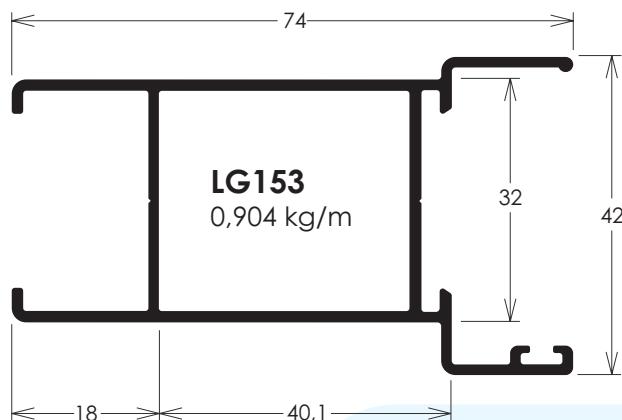


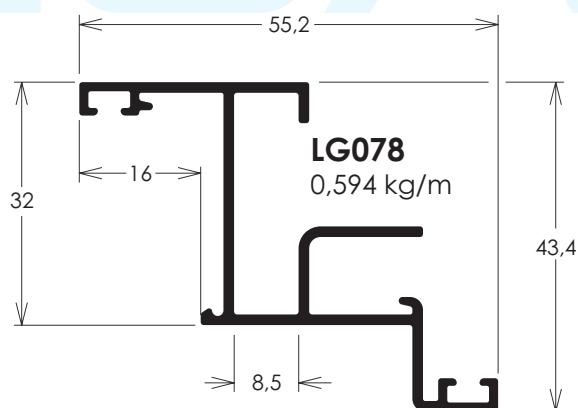
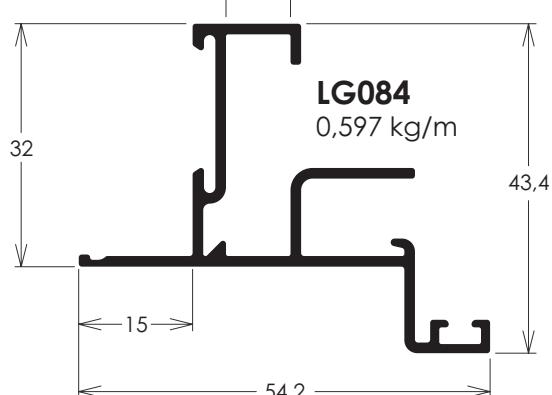
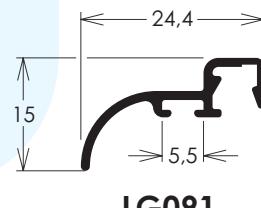
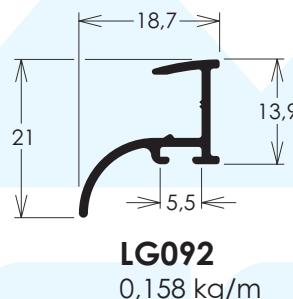
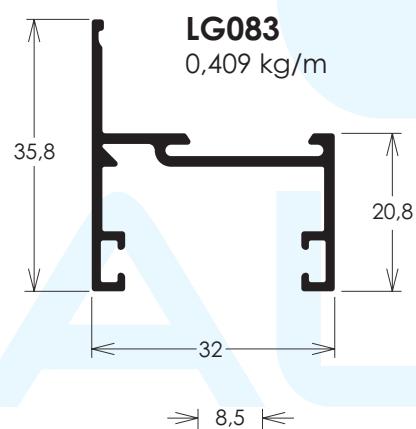
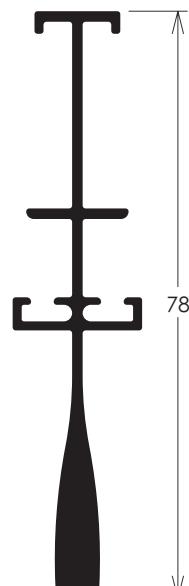
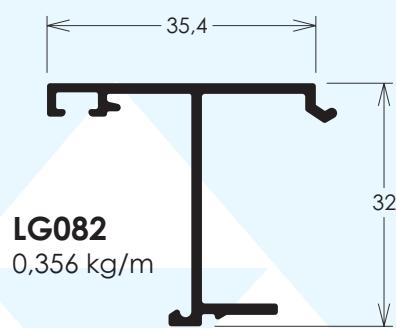
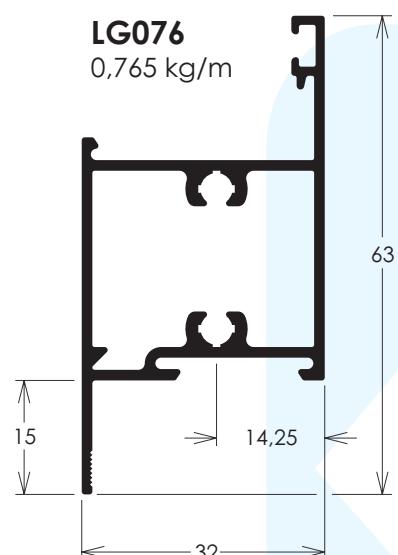
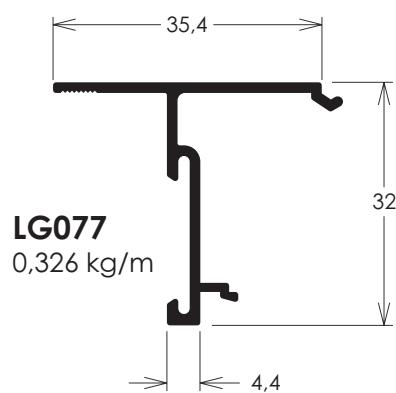
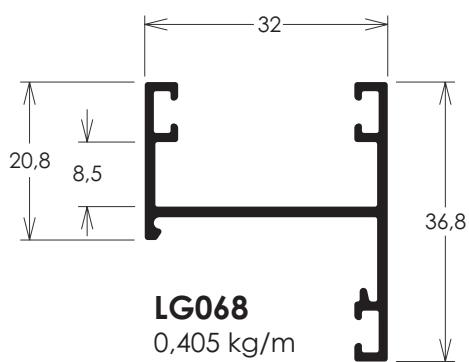


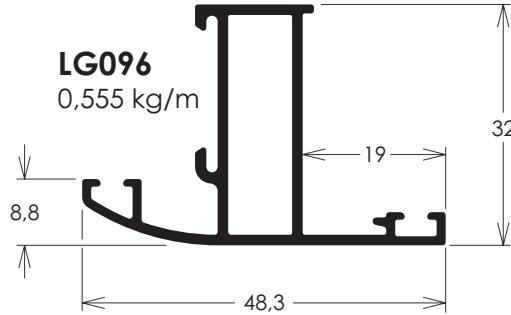
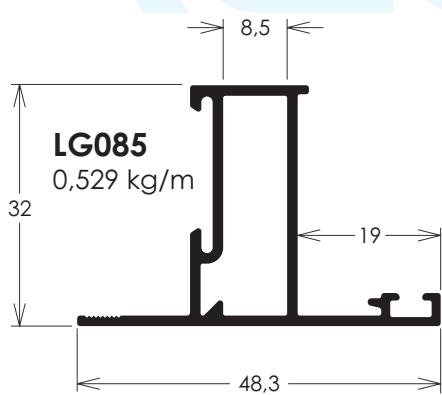
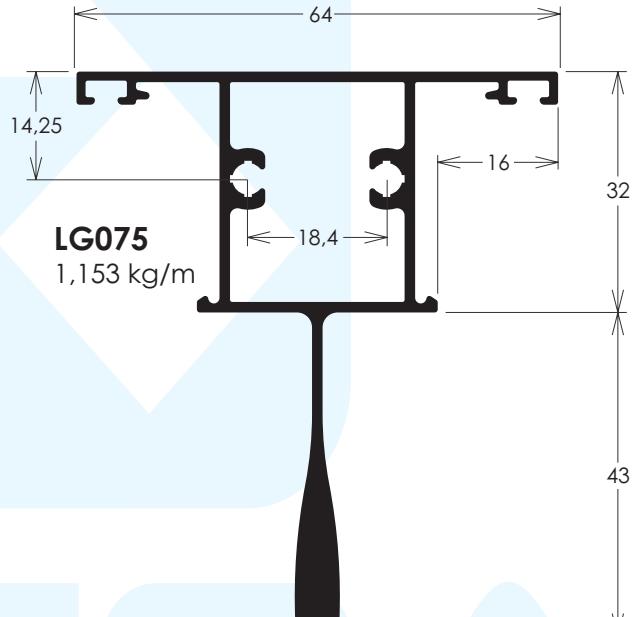
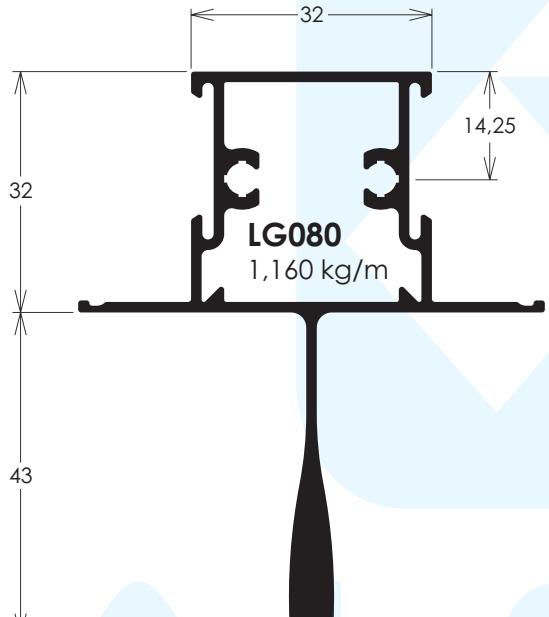
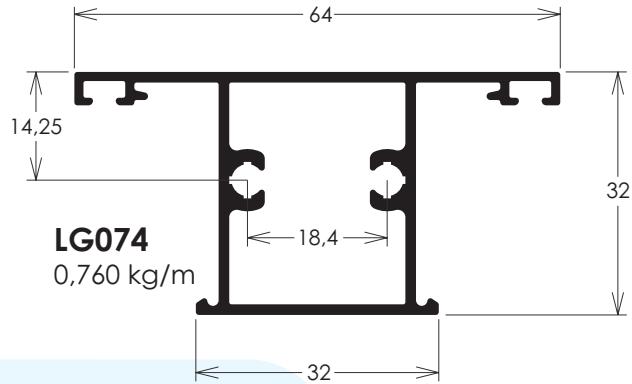
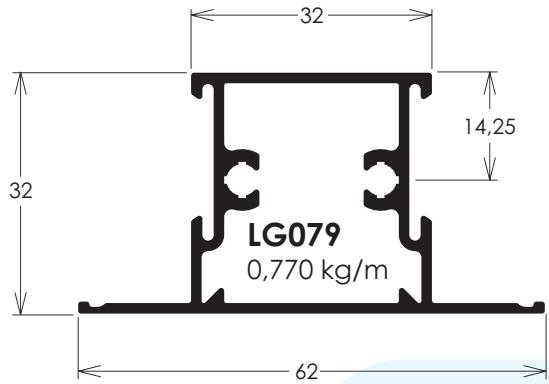


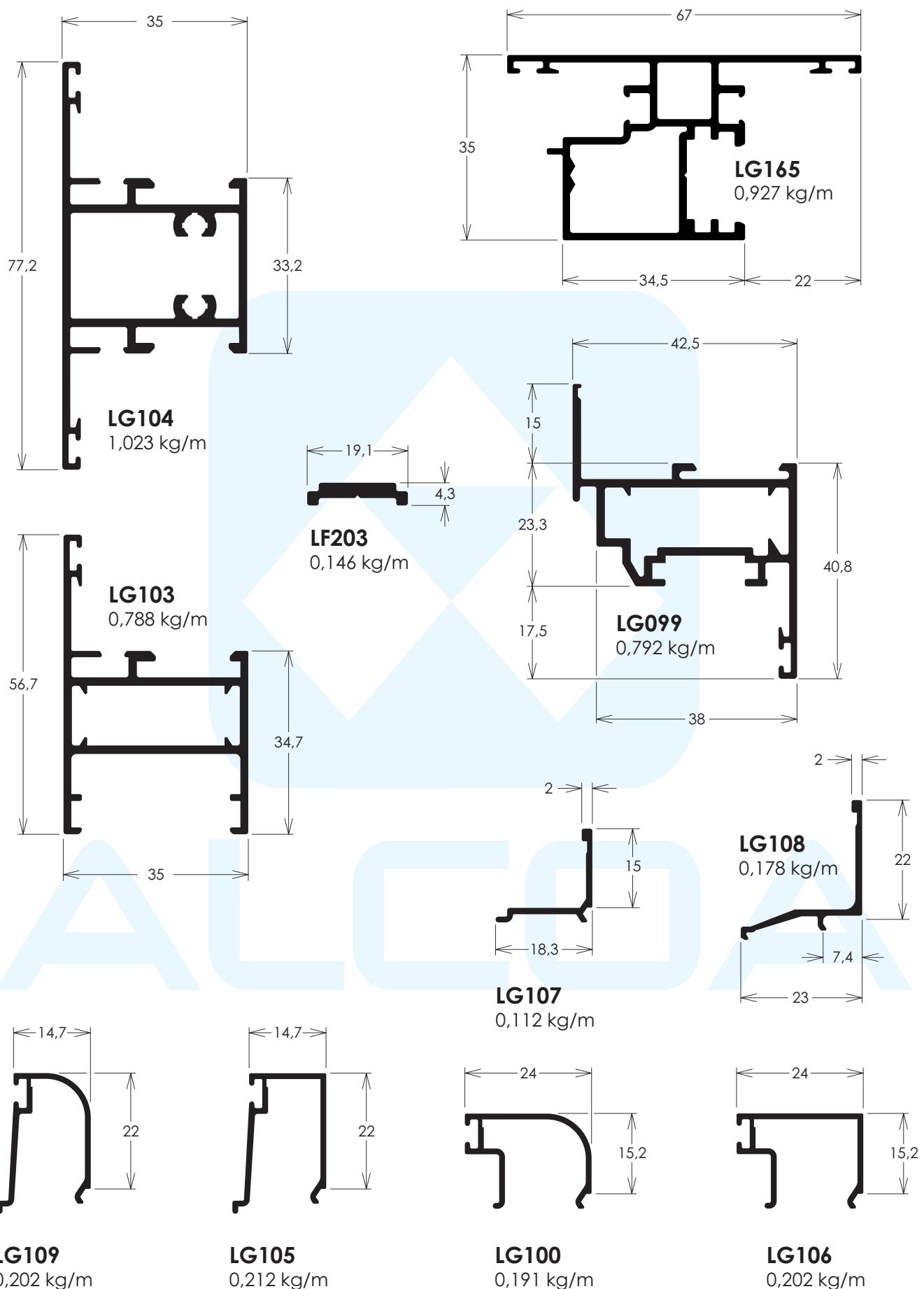


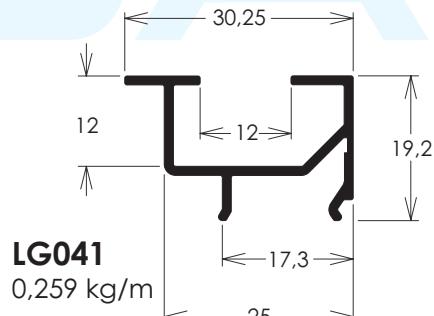
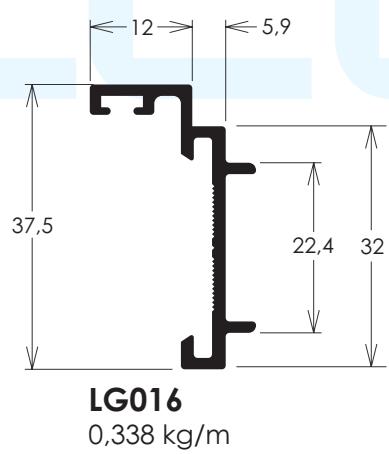
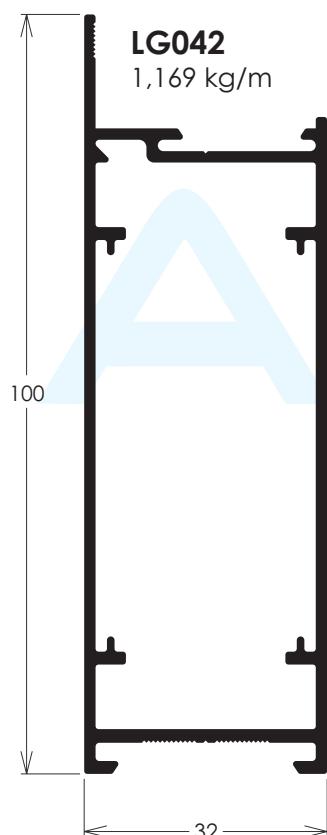
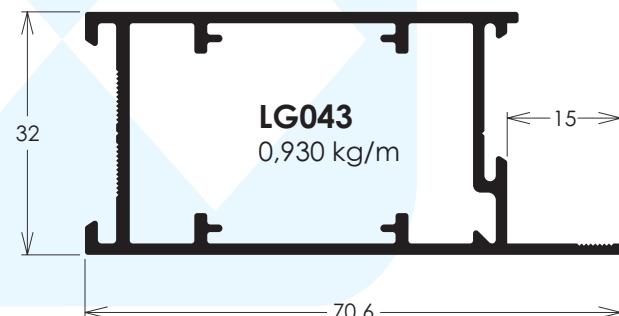
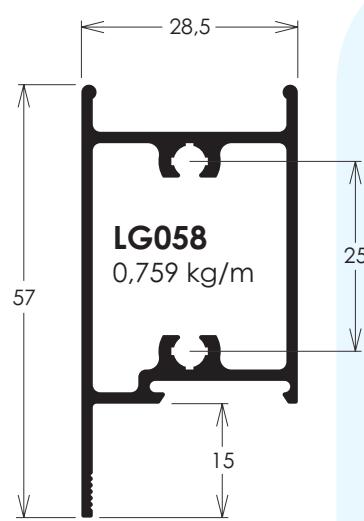
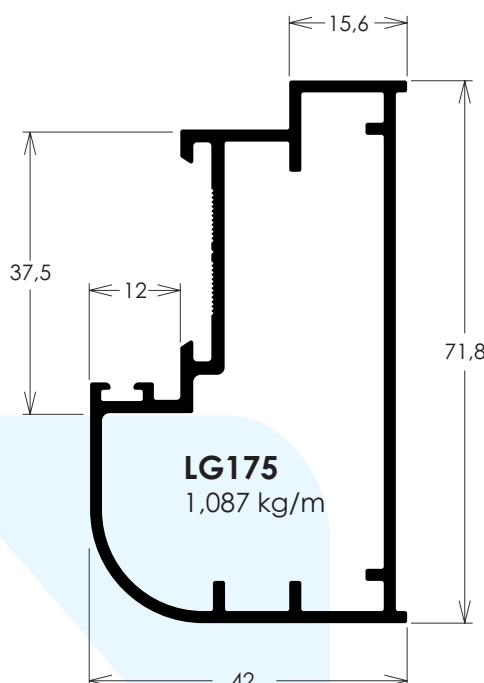
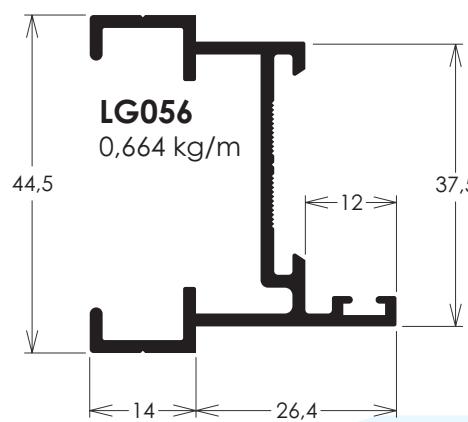






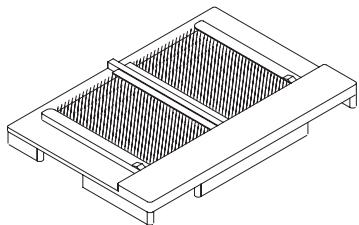
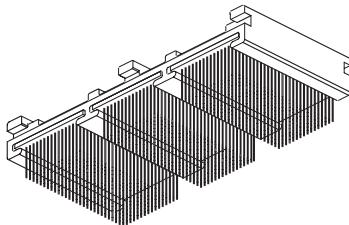
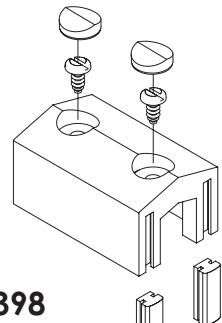
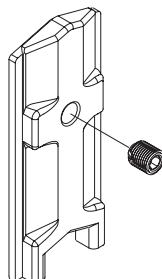
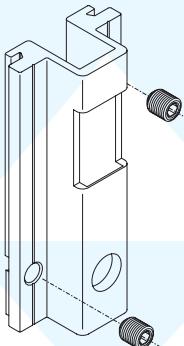
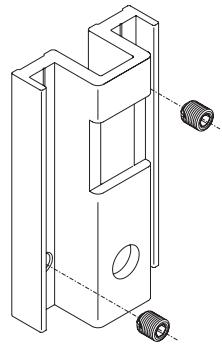
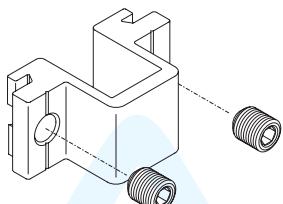
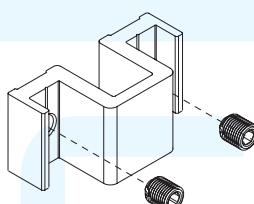
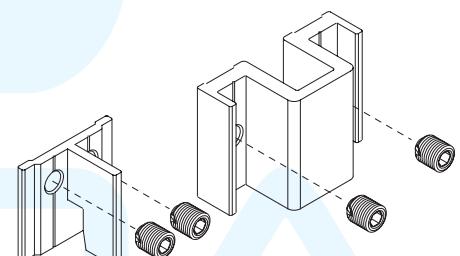
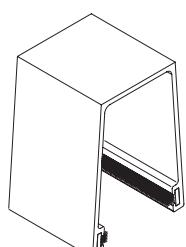
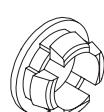






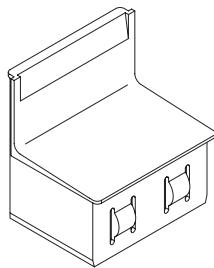
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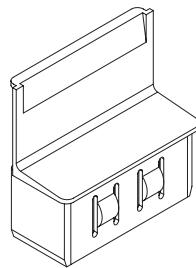
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Nylon Branco ou Preto**NYL398**Batedeira  
Nylon Branco ou Preto**NYL396**Guia e limitador superior  
Nylon Branco ou Preto**CON384**Contratesta central  
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Alumínio Branco ou Preto**SUP622**Trava da folha fixa  
Alumínio Preto**CAL929**Calço vedante do montante  
Alumínio Natural**NYL042**Botāo tampa furo  
Nylon Branco ou Preto

**5**linha  
*Gold*

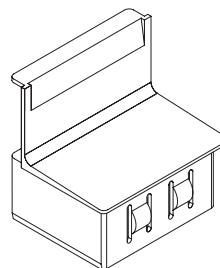
# Componentes


**ALCOA**
**NYL399**

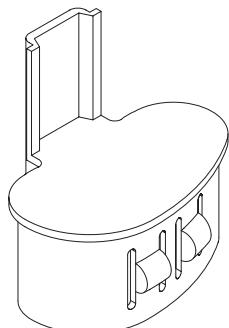
Tampa do montante LG052/LG054  
Nylon Branco ou Preto

**NYL401**

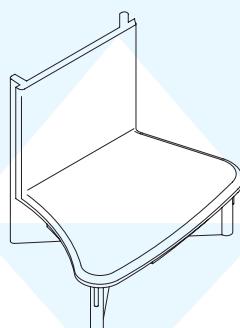
Tampa do montante LG018  
Nylon Branco ou Preto

**NYL402**

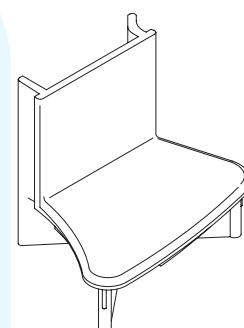
Tampa do montante LG053  
Nylon Branco ou Preto

**NYL400**

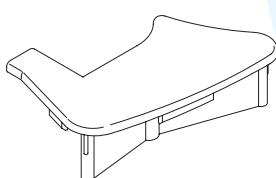
Tampa para montante LG021  
Nylon Branco ou Preto

**NYL472**

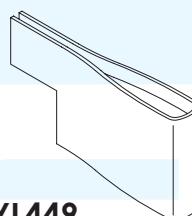
Tampa do montante LG127  
Nylon Branco ou Preto

**NYL473**

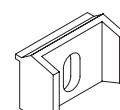
Tampa do montante LG136  
Nylon Branco ou Preto

**NYL471**

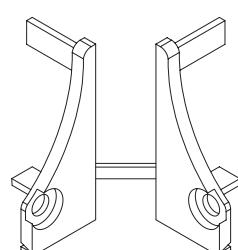
Tampa do montante LG141  
Nylon Branco ou Preto

**NYL449**

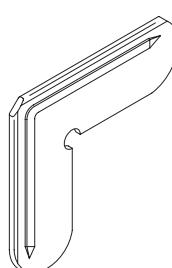
Tampa de recobrimento  
Nylon Preto

**NYL190**

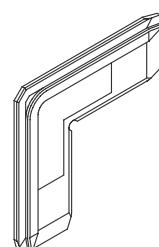
Botão de fixação  
do remate  
Nylon Preto

**NYL416**

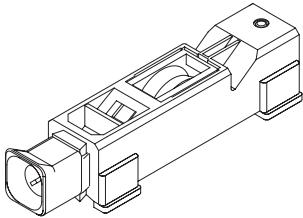
Recobrimento da soleira  
Porta de Correr  
Nylon Preto

**CON433**

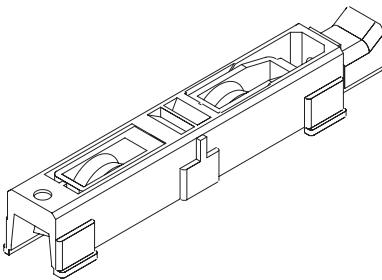
Conexão de alinhamento  
Nylon Preto

**CON1004001**

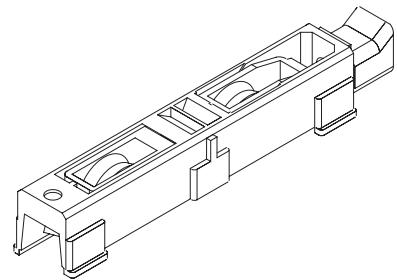
Conexão de alinhamento  
Nylon Preto

**ROL468**

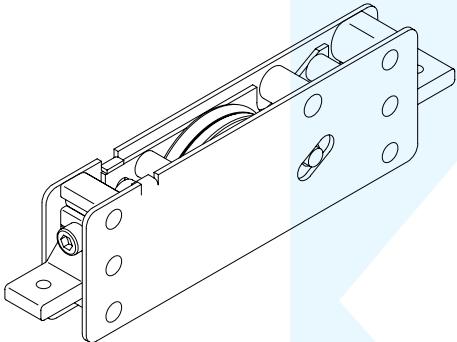
Roldana com reg. e rolam.  
Capacidade: 40 kg/folha  
Nylon e Zamak Preto

**ROL413**

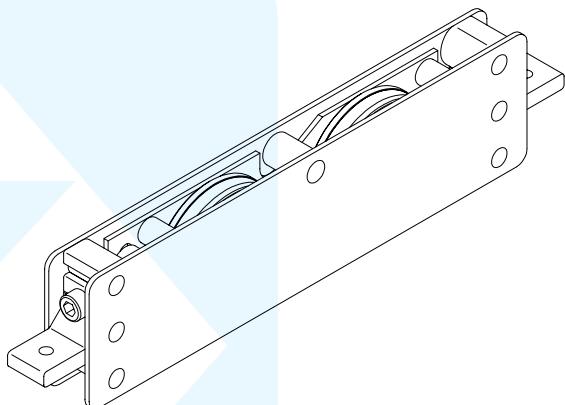
Roldana dupla com reg. e rolam.  
Capacidade: 80 kg/folha  
Nylon e Zamak Preto

**ROL477**

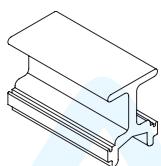
Roldana dupla com regulagem  
e rolamento agulha  
Capacidade: 120 kg/folha  
Nylon e Zamak Preto

**ROL470**

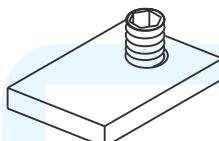
Roldana com regulagem e rolamento  
Capacidade: 120 kg/folha  
Nylon e Zamak Preto

**ROL471**

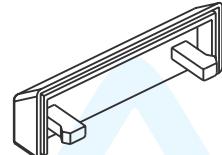
Roldana dupla com reg. e rolam.  
Capacidade: 240 kg/folha  
Nylon e Zamak Preto

**NYL394**

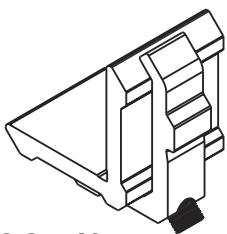
Calço para folha fixa  
Nylon Preto

**CAL946**

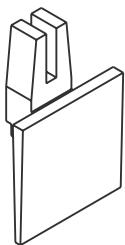
Calço com regulagem  
Alumínio e Nylon

**NYL1050101**

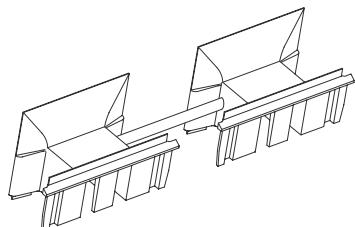
Protetor de saída d'água  
Nylon Preto

**CON437**

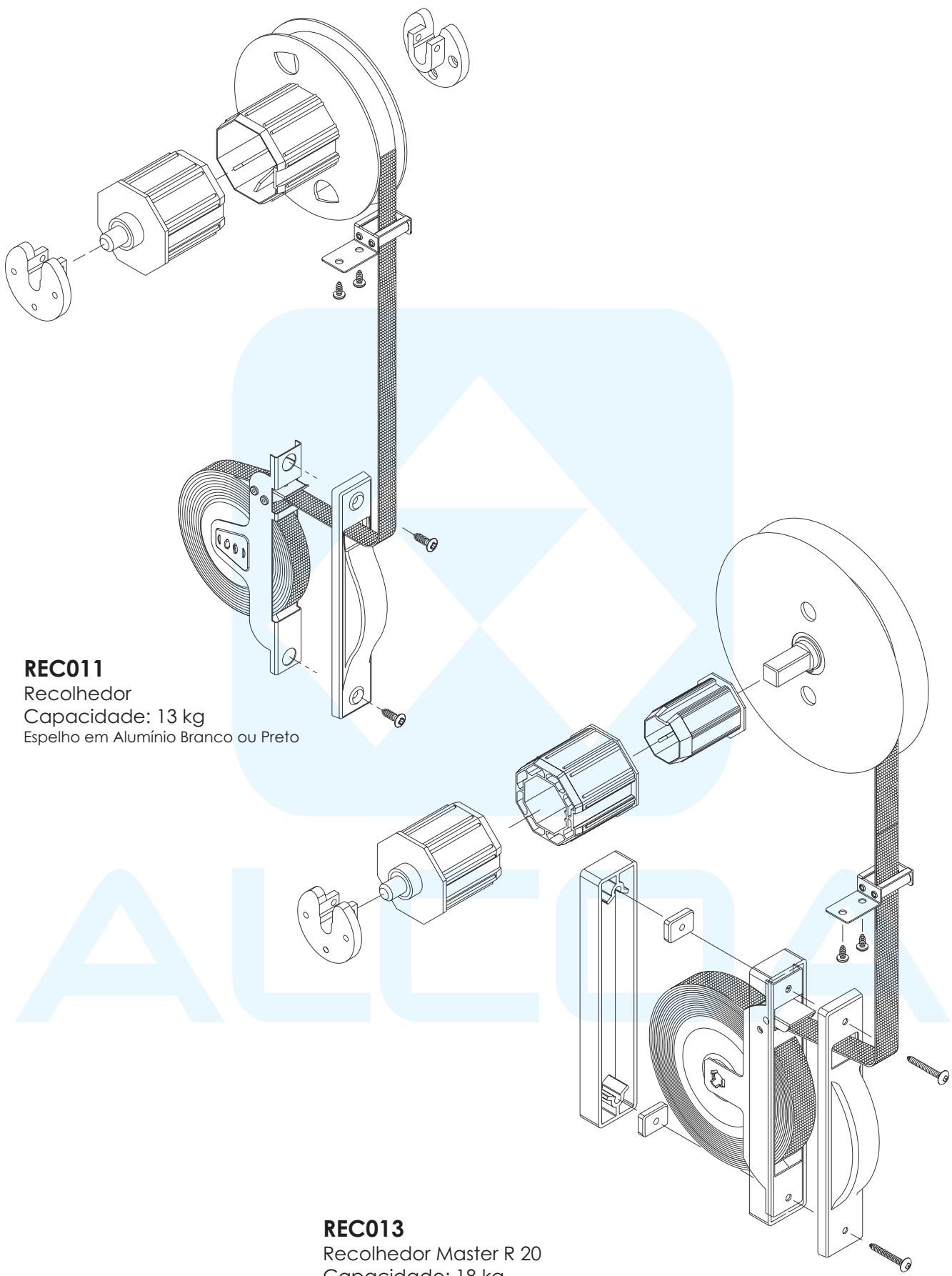
Conexão com parafuso  
Alumínio

**NYL 1052501**

Tampa reversível interna  
Nylon Preto

**GUA379**

Tampa reversível externa  
EPDM Preto

**REC011**

Recolhedor

Capacidade: 13 kg

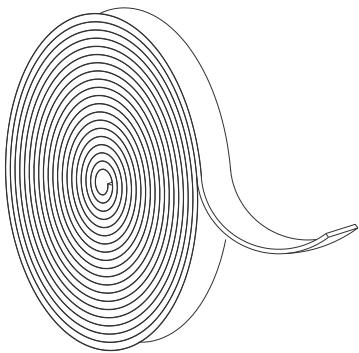
Espelho em Alumínio Branco ou Preto

**REC013**

Recolhedor Master R 20

Capacidade: 18 kg

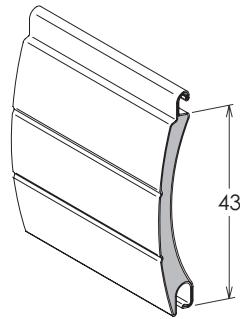
Espelho em Alumínio Branco ou Preto



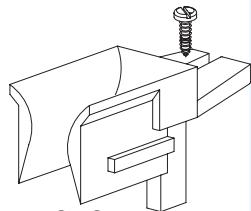
**FIT247**  
Fita de Ligação  
da Persiana  
Nylon Preto



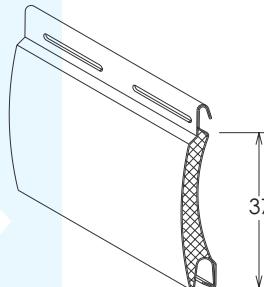
**NYL743**  
Tampa da Persiana VZP045  
Nylon Preto



**VZP045 / VZC122**  
Persiana nacional  
Barras com 5800mm  
Branco, Preto, Fosco, Bronze e Bege

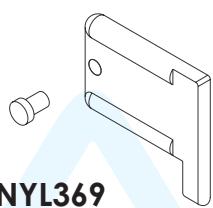


**NYL370**  
Guia da Persiana  
Nylon Preto



	Com Ventilação	Sem Ventilação
Branco	<b>VZP031</b>	<b>VZC110</b>
Prata	<b>VZP032</b>	<b>VZC111</b>
Bronze 1003	<b>VZP033</b>	<b>VZC112</b>
Preto	<b>VZP034</b>	<b>VZC113</b>
Bronze 1002	<b>VZP035</b>	<b>VZC114</b>

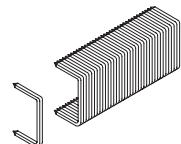
Persiana Nacional / Barras com 6000 mm



**NYL369**  
Guia e Limitador  
Nylon Branco ou Preto



**NYL375**  
Tampa da Persiana  
Nylon Preto



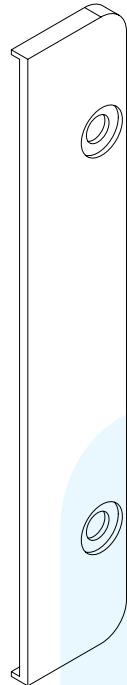
**GRA001**  
Fixador das tampas  
13mm x 8mm  
Aço Inox



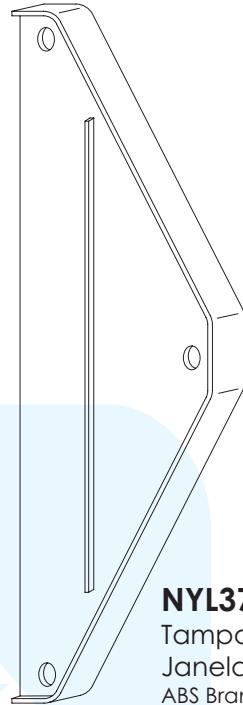
**NYL447**  
Tampa da Persiana  
Grampeada  
Nylon Preto

	Com Ventilação	Sem Ventilação
Branco	<b>VZP036</b>	<b>VZC115</b>
Prata	<b>VZP037</b>	<b>VZC116</b>
Bronze 1003	<b>VZP038</b>	<b>VZC117</b>
Preto	<b>VZP039</b>	<b>VZC118</b>

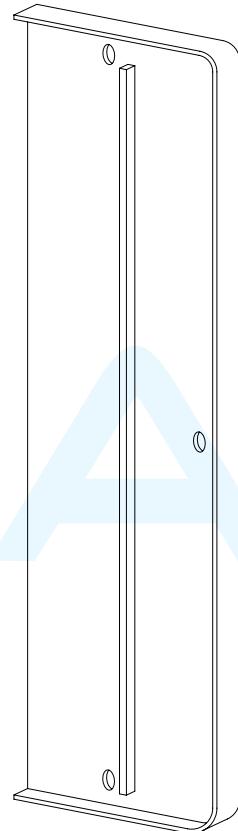
Persiana Importada / Barras com 5800 mm



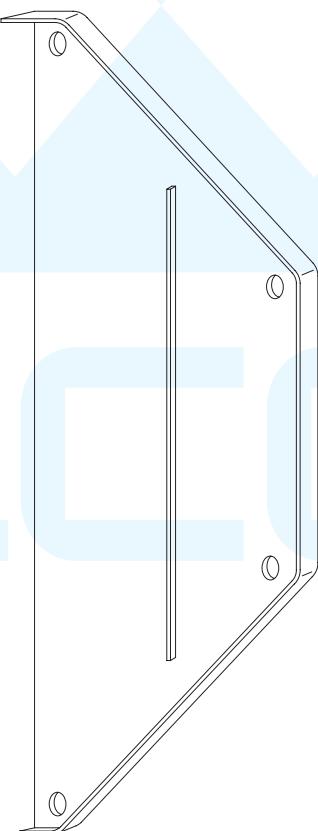
**NYL382**  
Tampa da Caixa  
Janela Integrada  
Nylon Branco ou Preto



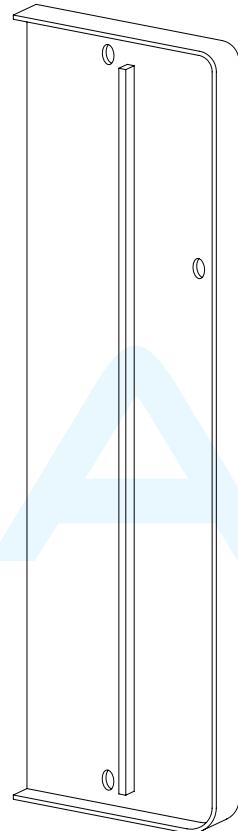
**NYL371**  
Tampa da Caixa  
Janela Integrada  
ABS Branco ou Preto



**NYL383**  
Tampa da Caixa  
Porta Integrada  
Nylon Branco ou Preto



**NYL372**  
Tampa da Caixa  
Porta Integrada  
ABS Branco ou Preto

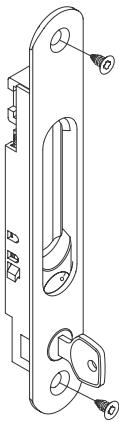


**NYL481**  
Tampa da Caixa  
Porta Integrada  
Nylon Branco ou Preto

5

linha  
IV  
*gold*

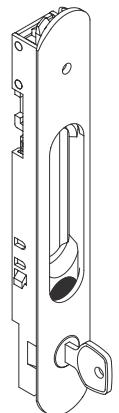
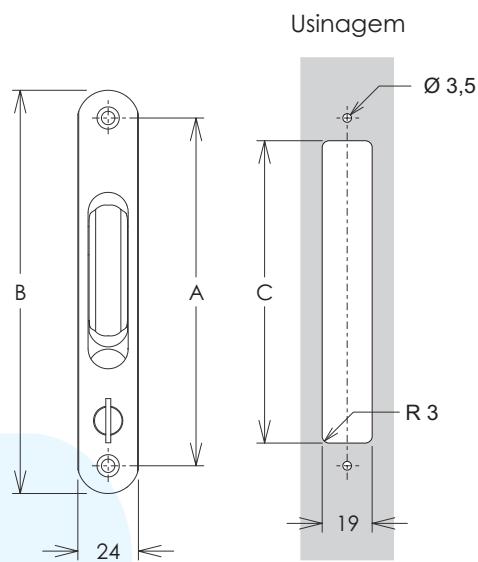
# Componentes


**ALCOA**


	Janelas	Portas
Fecho Concha	<b>FEC1028</b>	<b>FEC1029</b>
Concha com Chave	<b>FEC1027</b>	<b>FEC1030</b>
Concha Cega	<b>CON444</b>	<b>CON445</b>

Alumínio Branco ou Preto

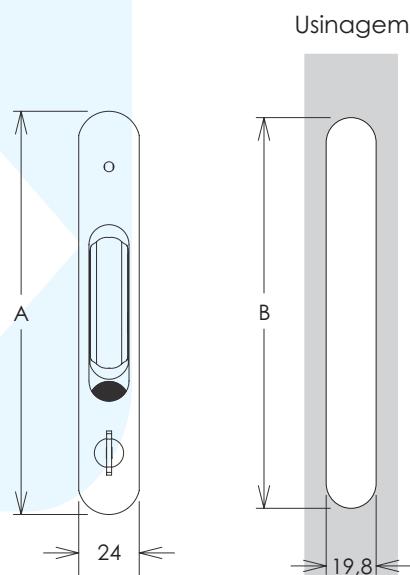
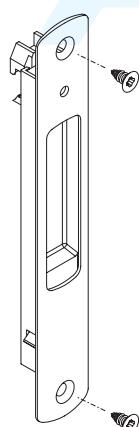
Medidas das usinagens	Janelas	Portas
A	138	170
B	160	192
C	120	120



	Janelas	Portas
Fecho Concha	<b>FEC1032</b>	<b>FEC1034</b>
Concha com Chave	<b>FEC1031</b>	<b>FEC1033</b>
Concha Cega	<b>CON446</b>	<b>CON447</b>

Alumínio Branco ou Preto

Medidas das usinagens	Janelas	Portas
A	160	192
B	155	187

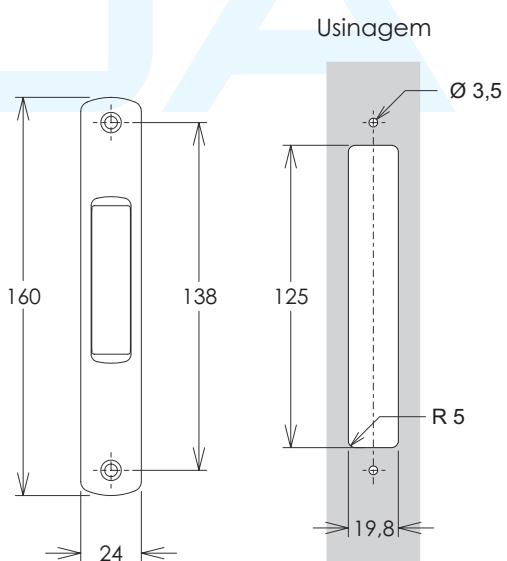
Obs.: Todos os fechos e conchas com chave acima, utilizam lingüeta **TRA003****FEC1026**

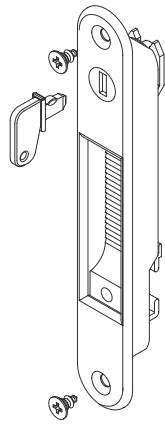
Fecho Concha

Alumínio Branco ou Preto  
(Utiliza lingüeta TRA016)**CON443**

Concha Cega

Alumínio Branco ou Preto

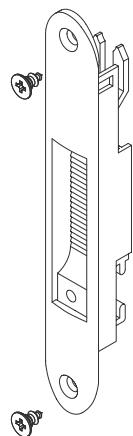




	Janelas	Portas
Fecho Concha com Chave	<b>FEC1043</b>	<b>FEC1047</b>
Fecho Concha	<b>FEC1045</b>	<b>FEC1049</b>
Concha Cega	<b>CON450</b>	<b>CON451</b>

Alumínio Branco ou Preto

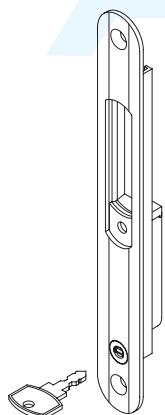
Medidas das usinagens	Janelas	Portas
<b>A</b>	138	170
<b>B</b>	161	192
<b>C</b>	125	158



	Janelas	Portas
Fecho Autom. Com Chave	<b>FEC1036</b>	<b>FEC1040</b>
Fecho Concha Automático	<b>FEC1038</b>	<b>FEC1042</b>
Concha Cega	<b>CON448</b>	<b>CON449</b>

Alumínio Branco ou Preto

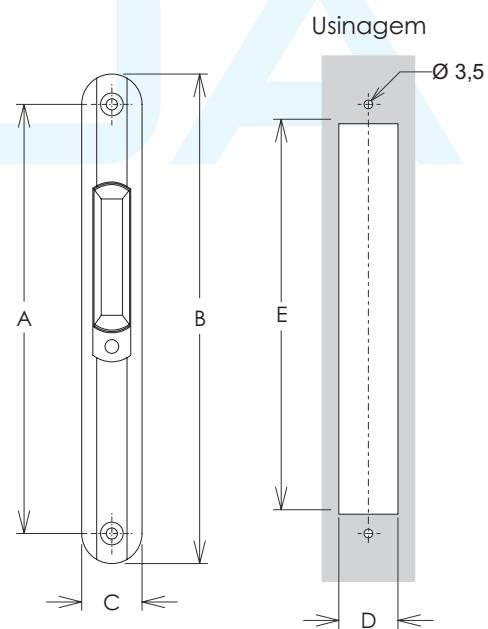
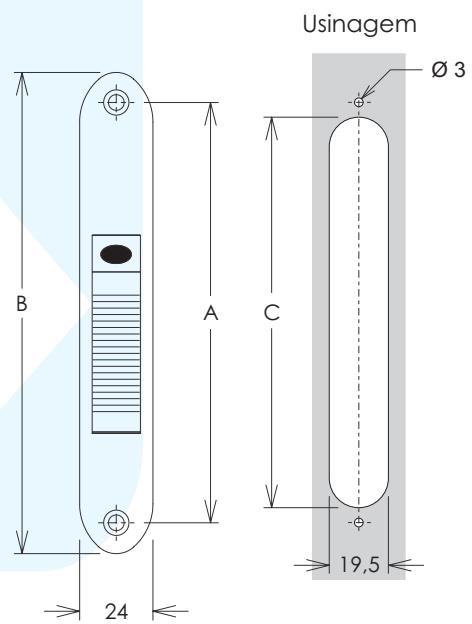
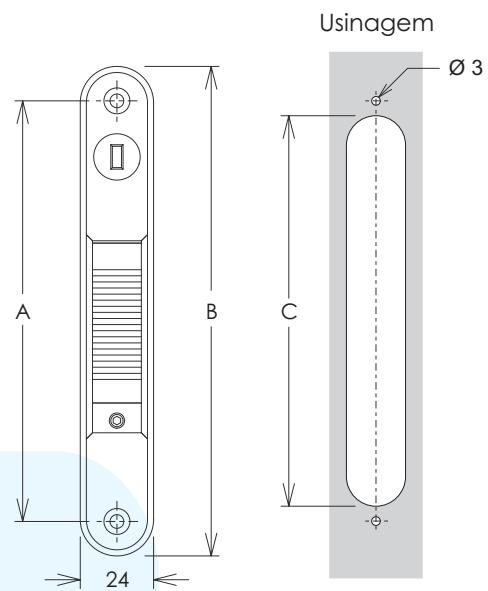
Medidas das usinagens	Janelas	Portas
<b>A</b>	138	180
<b>B</b>	158	204
<b>C</b>	129	133

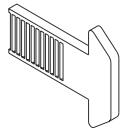
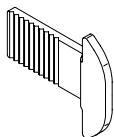
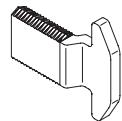
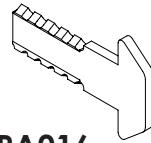
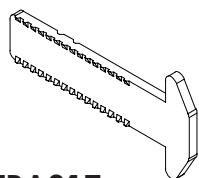
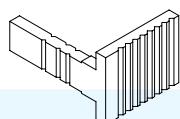
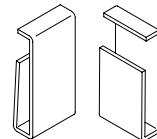
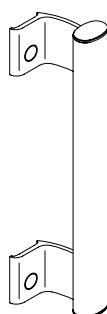
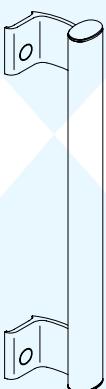
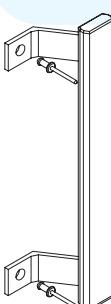
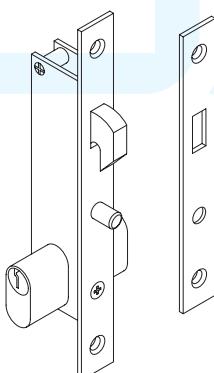


	Janelas	Portas
Fecho Concha com Chave	<b>FEC1064</b>	<b>FEC1063</b>
Fecho Concha	<b>FEC1061</b>	<b>FEC1062</b>
Concha Cega	<b>CON280</b>	<b>FEC1013</b>
Lingüeta	<b>TRA017</b>	<b>TRA013</b>

Alumínio Branco ou Preto

Medidas das usinagens	Janelas	Portas
<b>A</b>	138	170
<b>B</b>	153	194
<b>C</b>	26	24
<b>D</b>	20,5	20
<b>E</b>	120	142

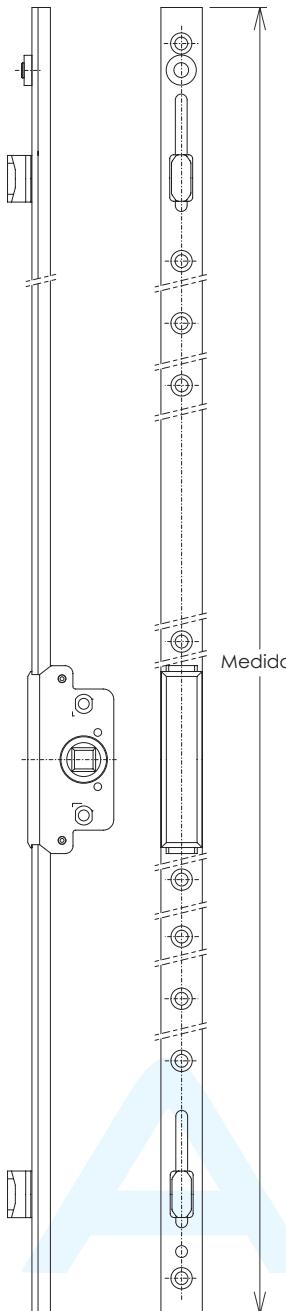
Obs.: Todos os fechos e conchas com chave acima, utilizam lingüeta **TRA011**.

**TRA003**Trava para fecho  
Aço Inox**TRA011**Trava para fecho  
Aço Inox**TRA013**Trava para fecho  
Zamak**TRA016**Trava para fecho  
Aço Inox**TRA017**Trava para fecho  
Aço Inox**CON110**Conexão para Fecho  
Duplo (interno/externo)  
Zamak**CON463**Capa para contrafecho  
Aço inox**PUX152**Puxador 245mm  
Porta de Correr  
Alumínio Fosco, Branco ou Preto**PUX154**Puxador 400mm  
Porta de Correr  
Alumínio Fosco, Branco ou Preto**PUX156**Puxador 600mm  
Porta de Correr  
Alumínio Fosco, Branco ou Preto**PUX006**Puxador  
Porta de Correr  
Aluminio Branco ou Preto**FRA823**Fechadura  
Porta de Correr  
Latão Branco, Fumê ou Cromado

5

linha  
*Gold*

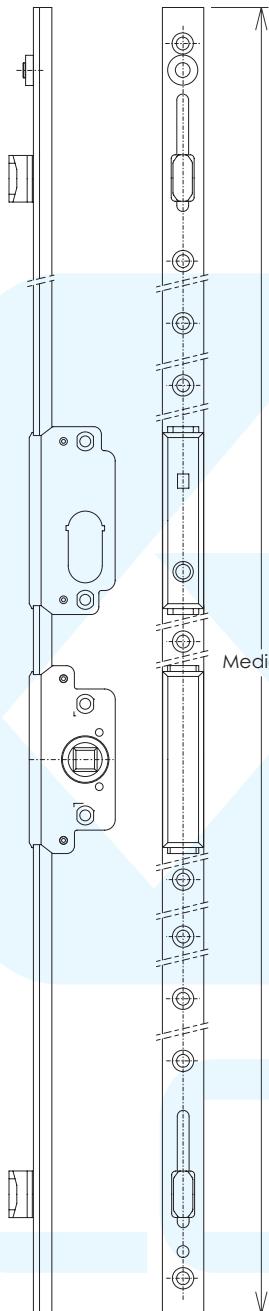
# Componentes


  
ALCOA


Kit trava 2 pontos

Medidas	Sem chave
800	<b>KIT610</b>
1600	<b>KIT612</b>

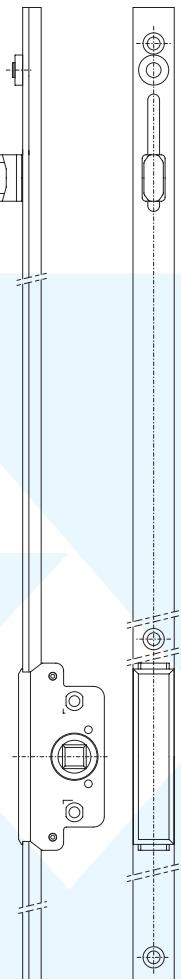
Alumínio e Zamac



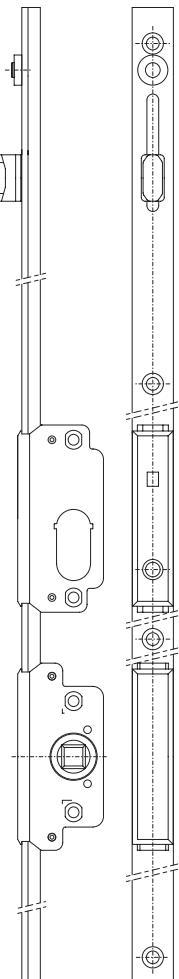
Kit trava 2 pontos

Medidas	Com chave
800	<b>KIT613</b>
1600	<b>KIT615</b>

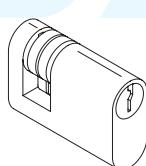
Alumínio e Zamac

**KIT616**

Kit trava 1 ponto  
300mm - Sem chave  
Alumínio e Zamac

**KIT617**

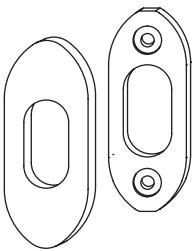
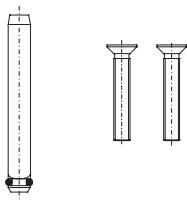
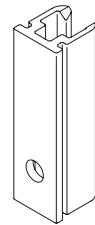
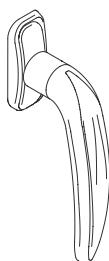
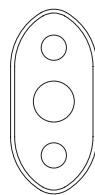
Kit trava 1 ponto  
500mm - Com chave  
Alumínio e Zamac

**CIL003**

Cilindro um lado  
Fecho Multiponto  
Latão Cromado

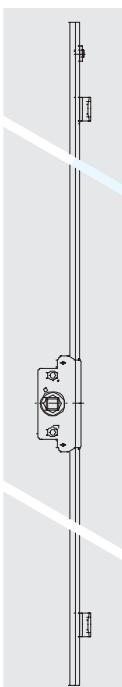
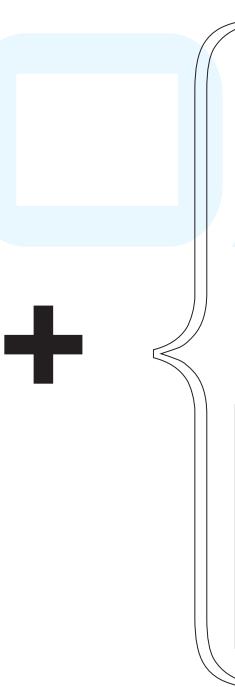
**5**linha  
**IV Gold**

# Componentes


**ALCOA**
**ESP955**Espelho p/ cilindro  
Nylon Branco ou Preto**HAS925**Conjunto Haste / Parafuso  
55mm - Cremona s/ chave  
Aço Inox**CON454**Contrafecho - Cremona  
Alumínio Branco ou Preto**FEC1066** (punho c/ 113mm)**FEC1068** (punho c/ 157mm)Fecho Cremona  
Alumínio Branco ou Preto**FEC1067** (punho c/ 113mm)**FEC1069** (punho c/ 158mm)Fecho Cremona  
Alumínio Branco ou Preto**NYL479**Calço da Cremona  
Nylon Branco ou Preto

## Cremona

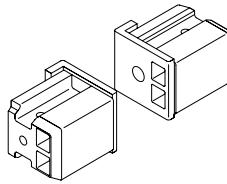
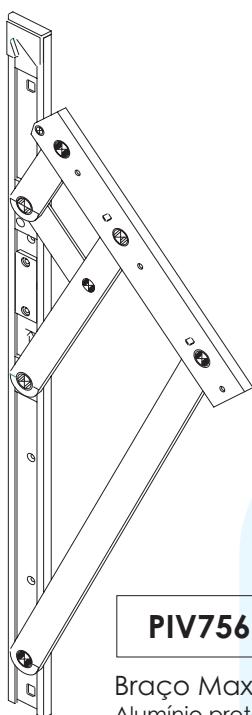
Composição de conjunto Multiponto

**OU**

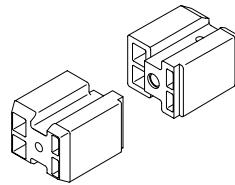
Conjunto haste/parafuso



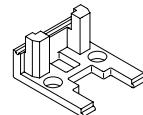
Contrafecho - Cremona

**CON434**

Conexão para montante  
Nylon Preto

**CON435**

Conexão para montante  
Nylon Preto

**CON436**

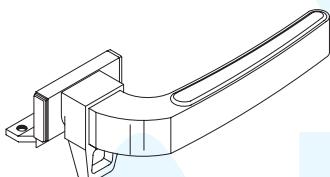
Conexão para montante  
Nylon Branco ou Preto

	Dimensão	Altura da Folha	Carga Máxima
<b>PIV756</b>	<b>222</b>	Min: 230 Max: 400	<b>20kg</b>

Braço Maxim ar  
Alumínio preto

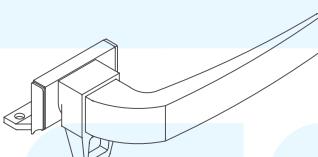
<b>BRA766</b>	<b>342</b>	Min: 435 Max: 600	<b>22kg</b>
<b>BRA767</b>	<b>600</b>	Min: 690 Max: 1000	<b>30kg</b>
<b>BRA768</b>	<b>951</b>	Min: 1040 Max: 1200	<b>36kg</b>

Braço Maxim ar  
Alumínio Branco, Preto ou Fosco

**FEC493** (DIREITO)**FEC494** (ESQUERDO)

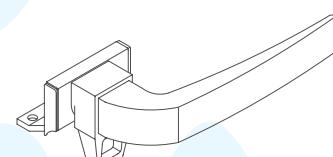
Fecho Punho

Alumínio Branco, Preto ou Fosco

**FEC495** (DIREITO)**FEC496** (ESQUERDO)

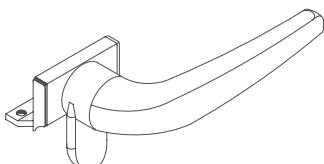
Fecho Punho

Alumínio Branco, Preto ou Fosco

**FEC1000** (DIREITO)**FEC1001** (ESQUERDO)

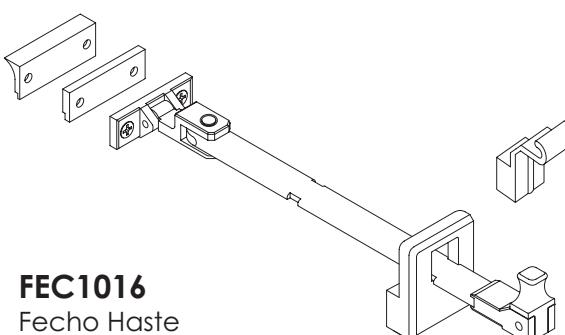
Fecho Punho

Alumínio Preto

**FEC1002** (DIREITO)**FEC1003** (ESQUERDO)

Fecho Punho

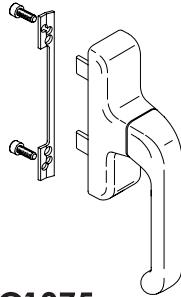
Alumínio Branco ou Preto

**FEC1016**

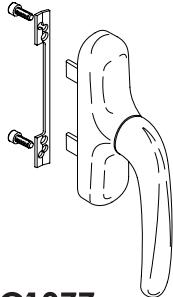
Fecho Haste

Folha com Baguete

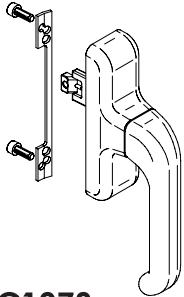
Alumínio Branco ou Preto

**FEC1075**

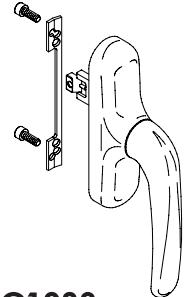
Fecho Cremona  
Janela de Giro  
Alumínio Branco ou Preto

**FEC1077**

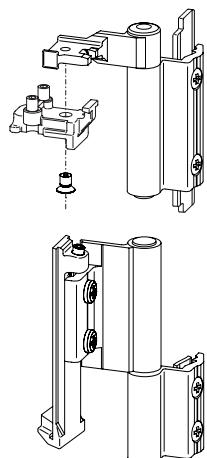
Fecho Cremona  
Janela de Giro  
Alumínio Branco ou Preto

**FEC1078**

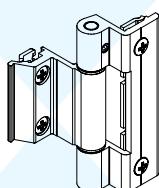
Fecho Cremona  
Janela Abre e Tomba  
Alumínio Branco ou Preto

**FEC1089**

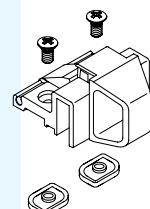
Fecho Cremona  
Janela Abre e Tomba  
Alumínio Branco ou Preto

**DOB855**

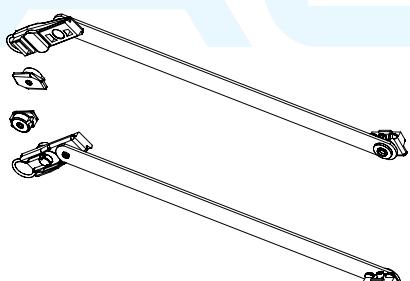
Dobradiça Abre e Tomba  
2ª folha  
Alumínio Branco ou Preto

**DOB856**

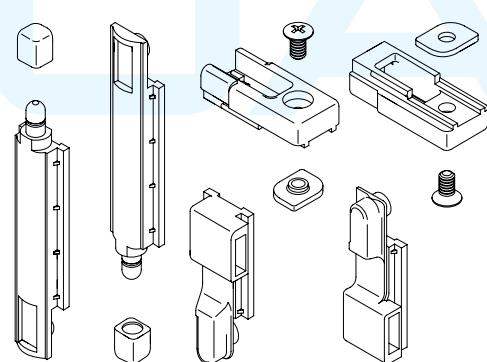
Dobradiça  
Janela de Giro e Tombar  
Alumínio Branco ou Preto

**FEC1092**

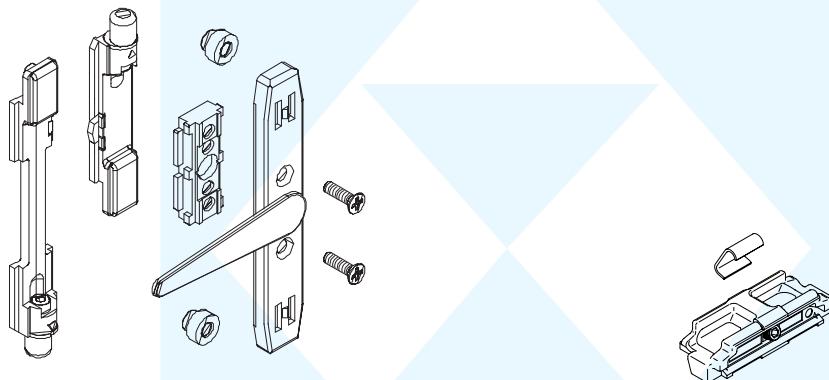
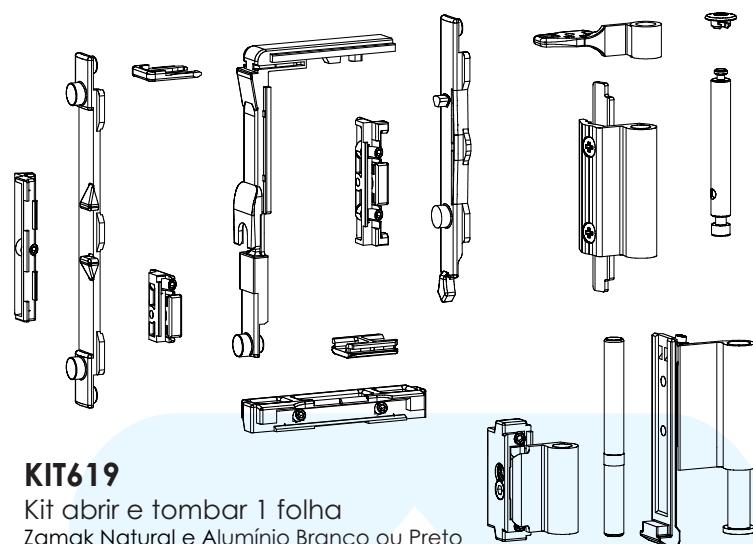
Fecho Gatilho  
Janela de Tombar  
Alumínio Branco ou Preto

**BRA796** (com 250mm)**BRA798** (com 150mm)

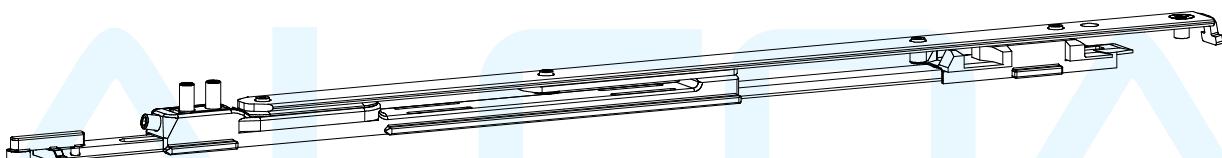
Compasso  
Janela de Tombar  
Alumínio Preto

**KIT621**

Sistema de Travamento  
Janela de Giro  
Zamak Natural



**CON464**  
Contrafecho  
Zamak Natural



	Dimensão	Largura da Folha	Carga Máxima	Altura do Marco
<b>BRA793</b>	225	Min: 390 Max: 544	50kg	Max: 1200

Braço Tipo 1  
Zamak Natural

	Dimensão	Largura da Folha	Carga Máxima	Altura do Marco
<b>BRA794</b>	365	Min: 545 Max: 1000	50kg	Max: 1200

Braço Tipo 2  
Zamak Natural

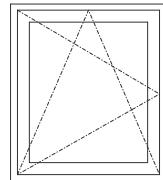
**Atenção!** Para utilização dos componentes acima, ver Instruções de Montagem na página 75 .

**Kit para Janela de Abrir e Tombar - 1 folha**

Materiais diversos - Branco ou Preto

**CÓDIGOS INDIVIDUAIS**

Quant.	Código	Componente
1 pc	Ver pág. 63	Cremona
1 pc	<b>KIT619</b>	Mecanismo Abrir e Tombar
8 pc	<b>CON437</b>	Conexão de Folha e Marco
8 pc	<b>CON433</b>	Conexão de Alinhamento
2 pc	<b>NYL1050101</b>	Dreno
8 pc	<b>NYL463</b>	Calço para Vidro
4 pc	<b>GUA376</b>	Guarnição pré-câmara

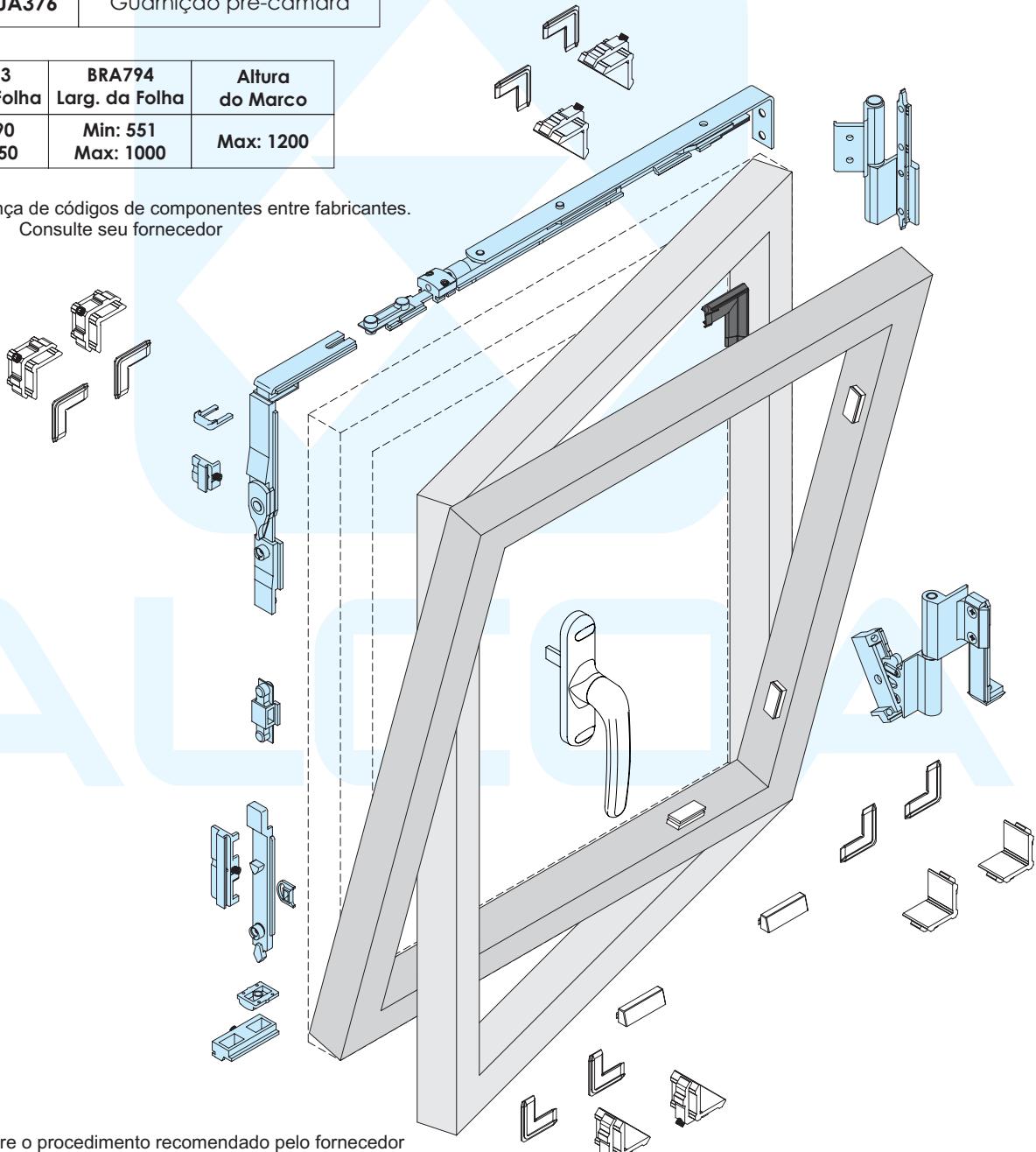
**KIT COMPLETO**  
(inclui cremona padrão)

KITLG001 Larg. da Folha	KITLG002 Larg. da Folha	Altura do Marco
Min: 550 Max: 900	Min: 901 Max: 1000	Max: 1200

Peso máximo: 50kg/folha

BRA793 Larg. da Folha	BRA794 Larg. da Folha	Altura do Marco
Min: 390 Max: 550	Min: 551 Max: 1000	Max: 1200

Poderá haver diferença de códigos de componentes entre fabricantes.  
Consulte seu fornecedor



**Atenção!** Utilize sempre o procedimento recomendado pelo fornecedor sobre uso e manutenção periódica.

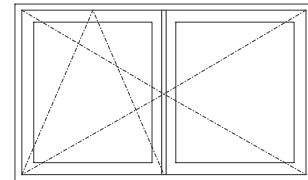
A falta de manutenção pode acarretar a perda da garantia.

**Kit 2ª folha para Janela de Abrir e Tombar**

Materiais diversos - Branco ou Preto

**CÓDIGOS INDIVIDUAIS**

Quant.	Código	Componente
2 pç	<b>DOB855</b>	Dobradiça
1 pç	<b>FEC1090</b>	Fecho Unha
4 pç	<b>CON437</b>	Conexão de Folha
4 pç	<b>CON433</b>	Conexão de Alinhamento
2 pç	<b>NYL1052501</b>	Tampa Reversível
1 pç	<b>GUA379</b>	Tampa Reversível Externa
1 pç	<b>NYL1050101</b>	Dreno
8 pç	<b>NYL463</b>	Calço para Vidro
1 pç	<b>CON464</b>	Contrafecho

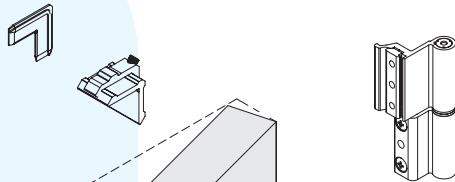


UTILIZAR KITLG001 OU KITLG002

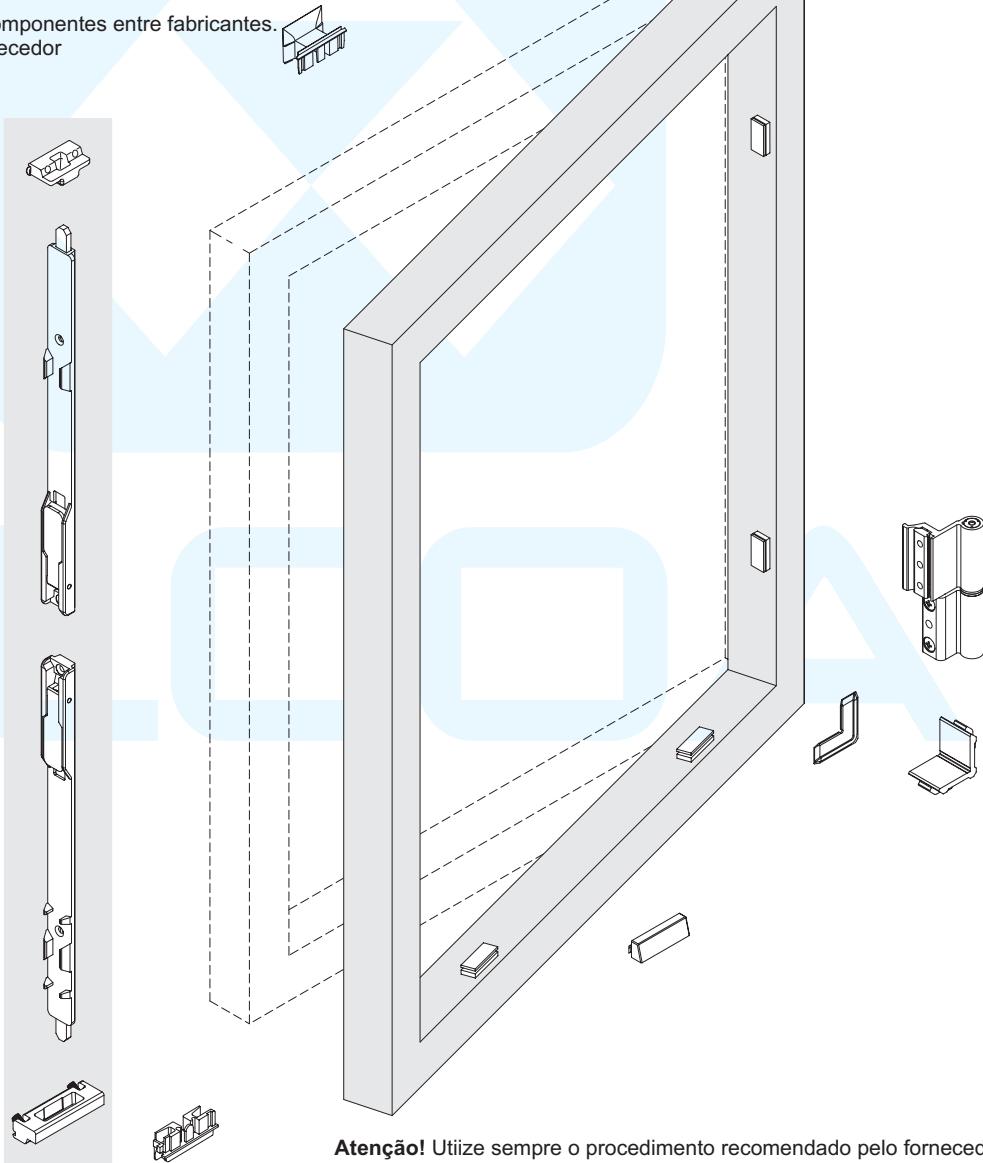
**KIT COMPLETO**

KITLG003	Altura do Marco
Larg. da Folha	
Min: 550	
Max: 1000	

Peso máximo: 50kg/folha



Poderá haver diferença de códigos de componentes entre fabricantes.  
Consulte seu fornecedor



**Atenção!** Utilize sempre o procedimento recomendado pelo fornecedor sobre uso e manutenção periódica.

A falta de manutenção pode acarretar a perda da garantia.

5

linha  
IV  
*gold***Componentes**

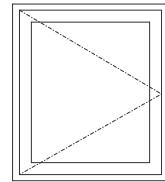
**ALCOA**
**Kit para Janela de Giro - 1 folha**

Materiais diversos - Branco ou Preto

**CÓDIGOS INDIVIDUAIS**

Quant.	Código	Componente
2 pç	<b>DOB856</b>	Dobradiça
1 pç	Ver pág. 63	Cremona
8 pç	<b>CON437</b>	Conexão de Folha e Marco
8 pç	<b>CON433</b>	Conexão de Alinhamento
2 pç	<b>NYL1050101</b>	Dreno
8 pç	<b>NYL463</b>	Calço para Vidro
4 pç	<b>GUA376</b>	Guarnição pré-câmara
1 cj	<b>KIT621</b>	Trava

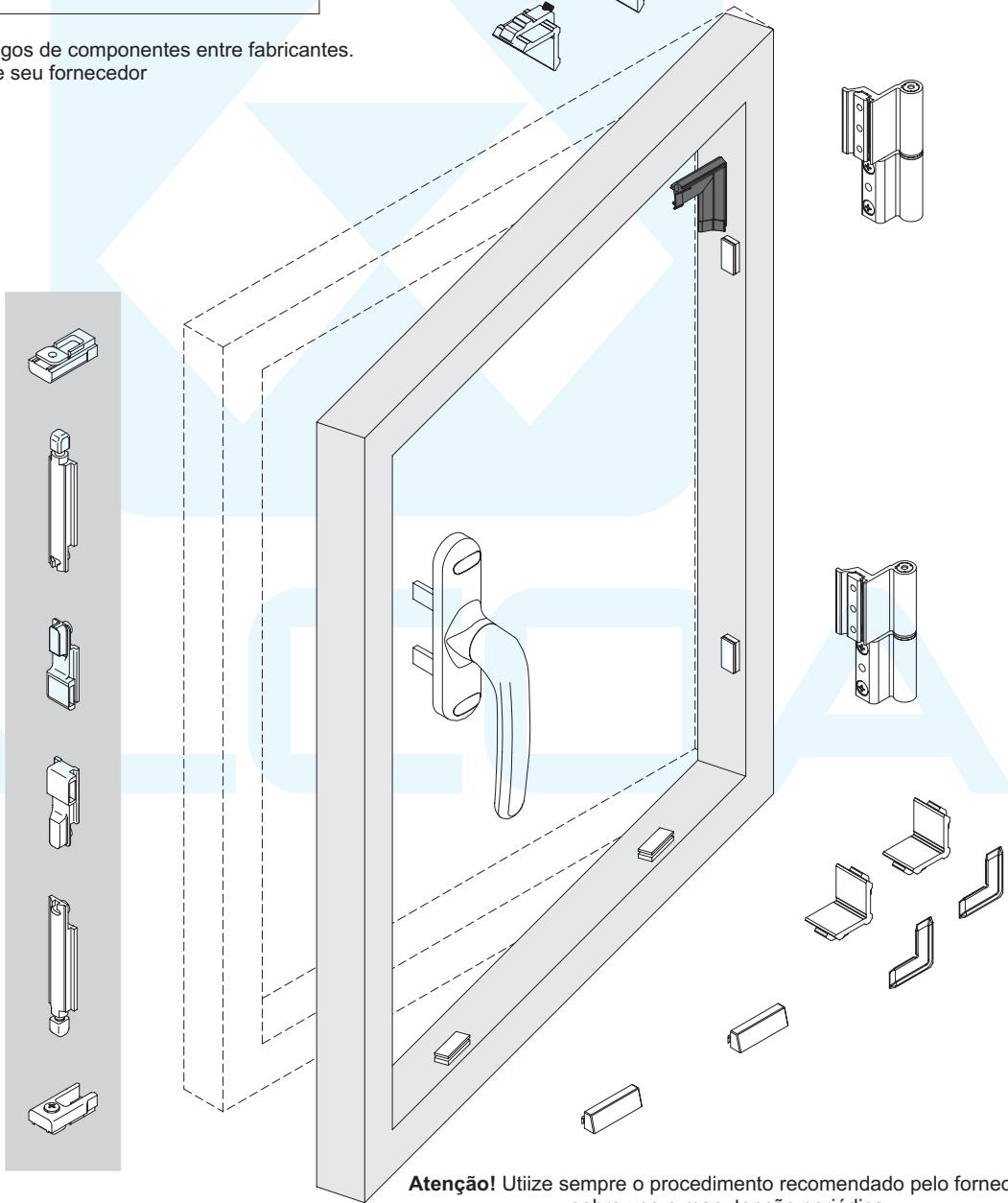
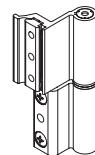
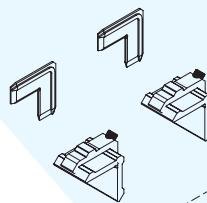
Poderá haver diferença de códigos de componentes entre fabricantes.  
Consulte seu fornecedor



**KIT COMPLETO**  
(inclui cremona padrão)

KITLG004	Altura do Marco
Larg. da Folha	
Min: 550	Max: 1200
Max: 1000	

Peso máximo: 50kg/folha



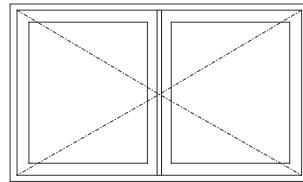
**Atenção!** Utilize sempre o procedimento recomendado pelo fornecedor sobre uso e manutenção periódica.  
A falta de manutenção pode acarretar a perda da garantia.

## Kit para Janela de Giro - 2<sup>a</sup> folha

Materiais diversos - Branco ou Preto

### CÓDIGOS INDIVIDUAIS

Quant.	Código	Componente
4 pç	<b>DOB856</b>	Dobradiça
1 pç	Ver pág. 63	Cremona
1 cj	<b>KIT621</b>	Kit Trava
12 pç	<b>CON437</b>	Conexão de Folha e Marco
12 pç	<b>CON433</b>	Conexão de Alinhamento
2 pç	<b>NYL1052501</b>	Tampa Reversível
1 pç	<b>GUA379</b>	Tampa Reversível Externa
3 pç	<b>NYL1050101</b>	Dreno
16 pç	<b>NYL463</b>	Calço para Vidro
2 pç	<b>CON464</b>	Contrafecho
1 pç	<b>FEC1090</b>	Fecho Unha



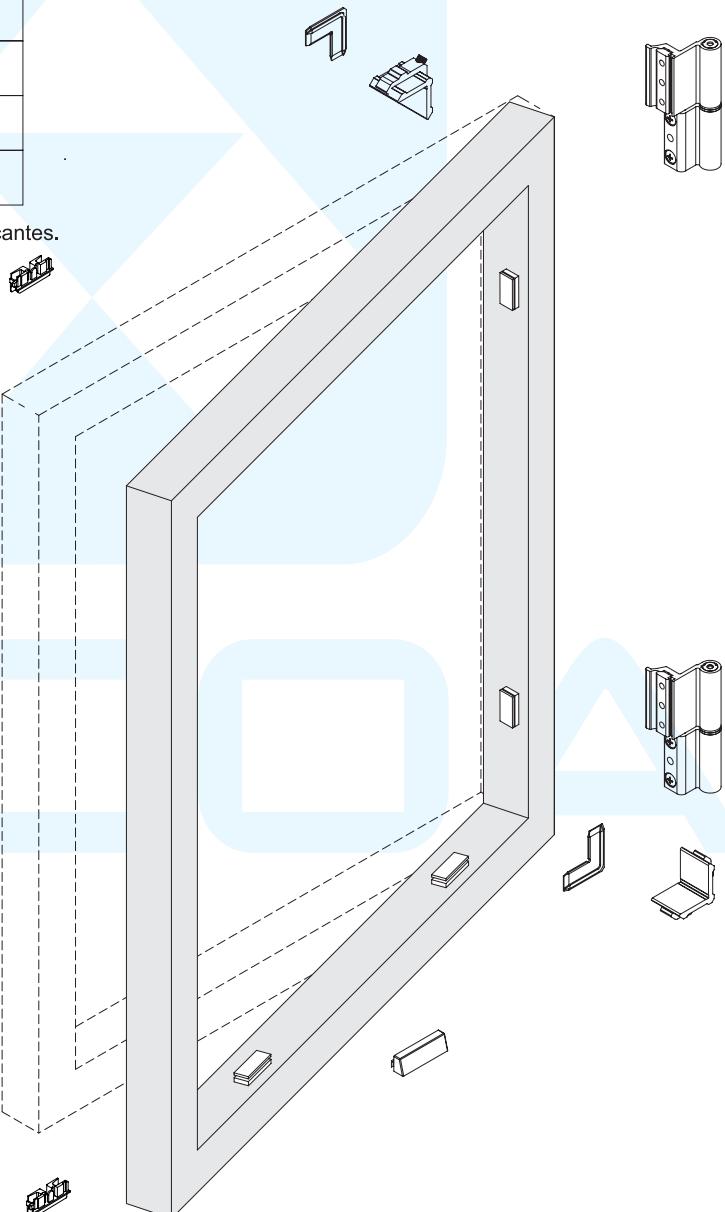
### KIT COMPLETO

KITLG007 + KITLG004 Larg. da Folha	Altura do Marco
Min: 550 Max: 1000	Max: 1200

Peso máximo: 50kg/folha

Poderá haver diferença de códigos de componentes entre fabricantes.

Consulte seu fornecedor



## Kit para Janela de Tombar - 1 folha

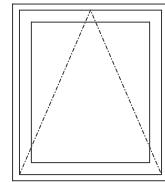
Materiais diversos - Branco ou Preto

### CÓDIGOS INDIVIDUAIS

Quant.	Código	Componente
2 pç	<b>DOB856</b>	Dobradiça
8 pç	<b>CON437</b>	Conexão de Folha e Marco
8 pç	<b>CON433</b>	Conexão de Alinhamento
1 pç	<b>FEC1092</b>	Fecho Gatilho
2 pç	<b>NYL1050101</b>	Dreno
8 pç	<b>NYL463</b>	Calço para Vidro
4 pç	<b>GUA376</b>	Guarnição pré-câmara

BRA798 Altura da Folha	BRA796 Altura da Folha	Altura do Marco
Min: 200 Max: 600	Min: 601 Max: 1200	Max: 1200

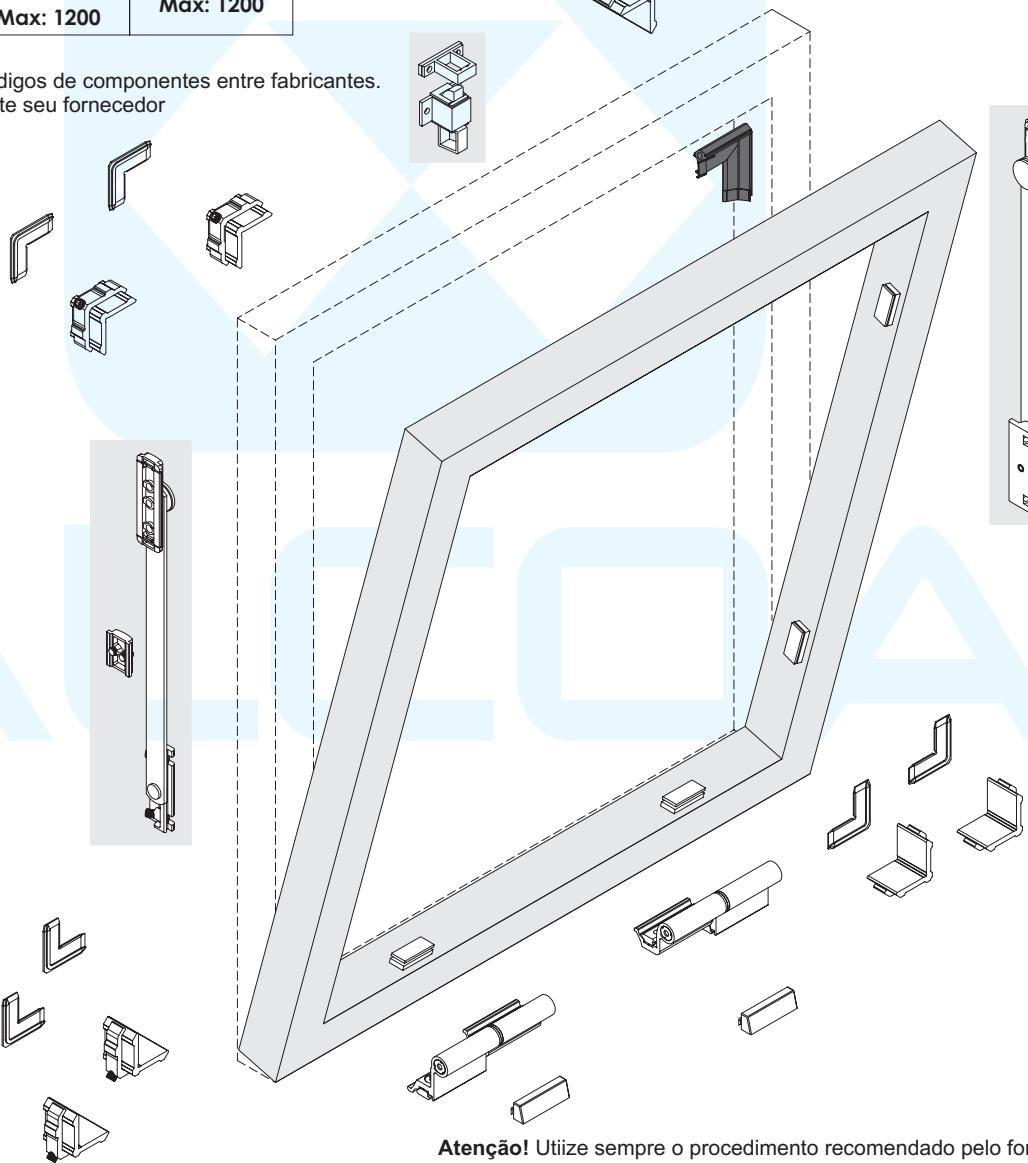
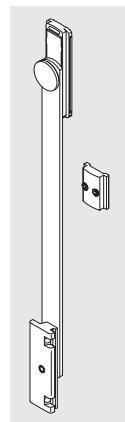
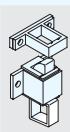
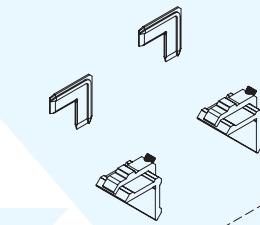
Poderá haver diferença de códigos de componentes entre fabricantes.  
Consulte seu fornecedor



### KIT COMPLETO

KITLG005 Larg. da Folha	Altura do Marco
Min: 350 Max: 1000	Max: 1200

Peso máximo: 50kg/folha



**Atenção!** Utilize sempre o procedimento recomendado pelo fornecedor sobre uso e manutenção periódica.

A falta de manutenção pode acarretar a perda da garantia.

5

linha  
*Gold*

Componentes

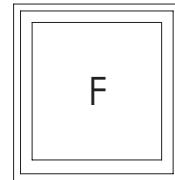
ALCOA

**Kit para Janela Fixa**

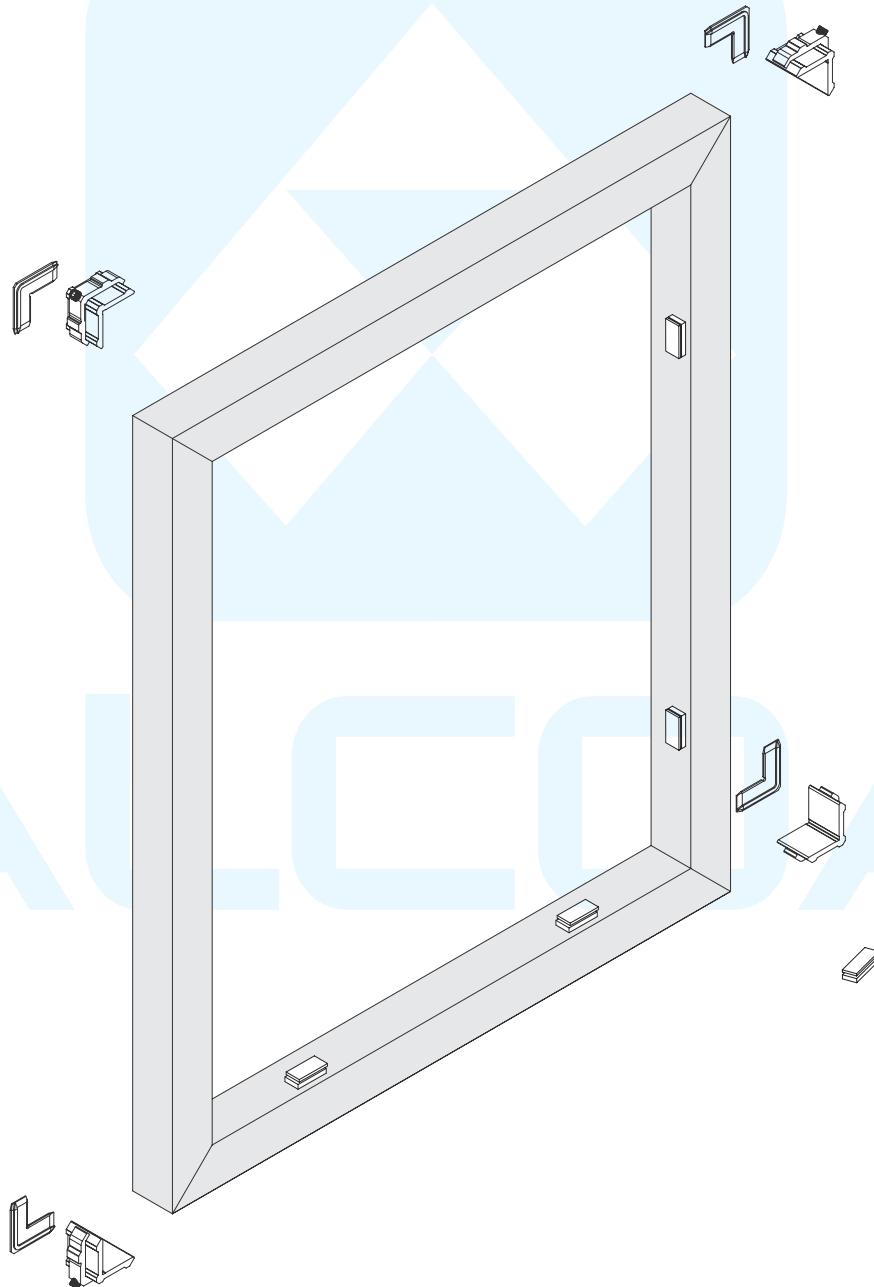
Materiais diversos

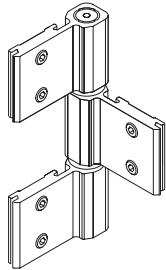
**CÓDIGOS INDIVIDUAIS**

Quant.	Código	Componente
4 pç	<b>CON437</b>	Conexão do Marco
4 pç	<b>CON433</b>	Conexão de Alinhamento
8 pç	<b>NYL463</b>	Calço para Vidro

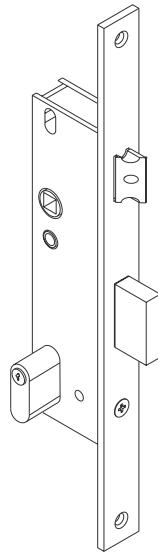
**KIT COMPLETO**

KITLG006 Larg. da Folha	Altura do Marco
Min: 300	
Max: 1000	Max: 1200

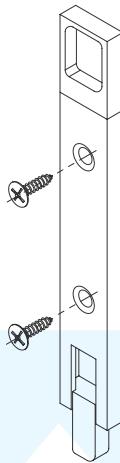


**DOB828**

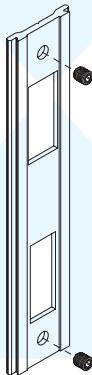
Dobradiça 3 abas  
Alumínio Branco ou Preto

**FRA822**

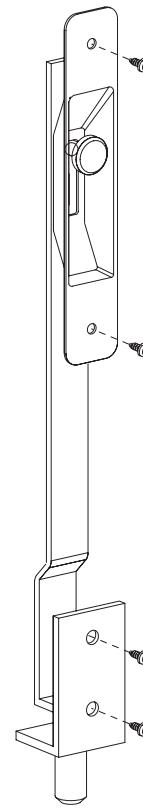
Fechadura  
Porta de Giro  
Latão Branco ou Cromado

**FEC338**

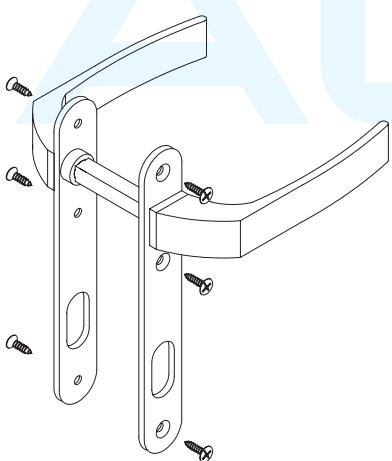
Fecho Unha  
Alumínio e Nylon Branco ou Preto

**CON386**

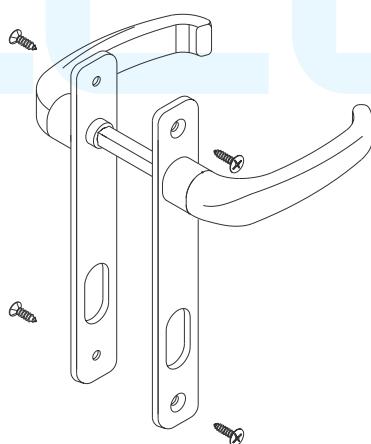
Contratesta  
Alumínio Branco ou Preto

**FEC509**

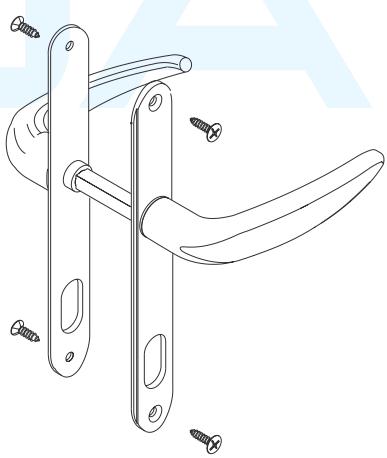
Fecho leve toque  
Aço Inox

**MAC927**

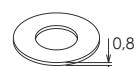
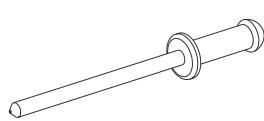
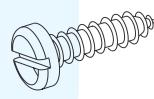
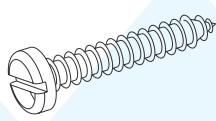
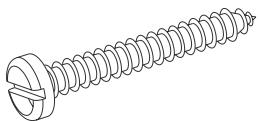
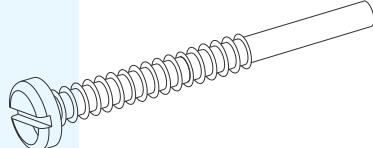
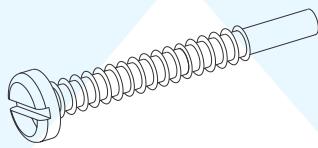
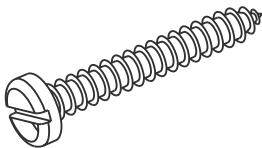
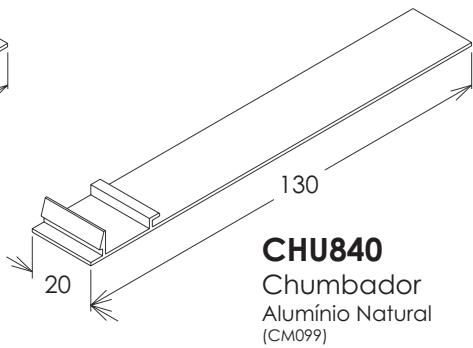
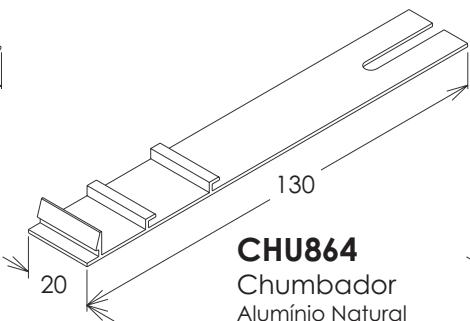
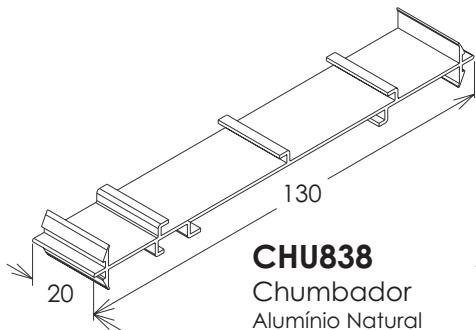
Maçaneta com Espelho  
Alumínio Preto

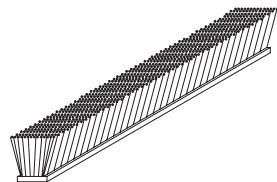
**MAC1004**

Maçaneta com Espelho  
Alumínio Branco ou Preto

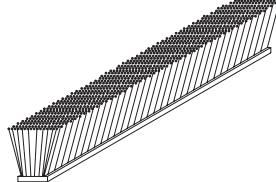
**MAC1005**

Maçaneta com Espelho  
Alumínio Branco ou Preto

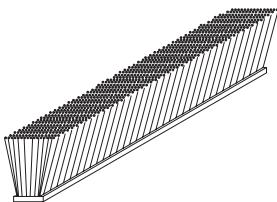


**FIT206**

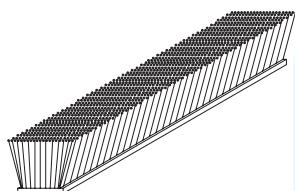
Fita Vedadora 5mm x 6mm  
Preta

**FIT212**

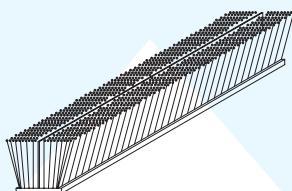
Fita Vedadora 5 x 8mm  
Preta

**FIT214**

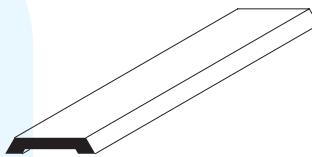
Fita Vedadora 5mm x 10mm  
Preta

**FIT224**

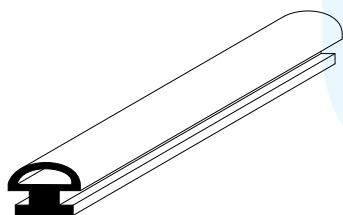
Fita vedadora 7mm x 8mm  
Sem barreira plástica  
Preta

**FIT223**

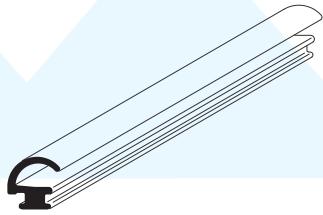
Fita vedadora 7mm x 8mm  
Com barreira plástica  
Preta

**GUA132**

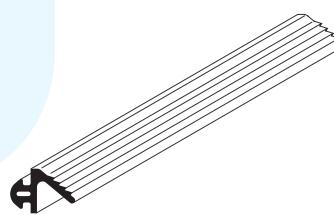
Guarnição  
de acabamento  
PVC Preto

**GUA289**

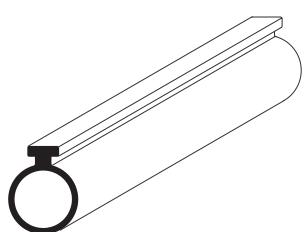
Guarnição externa  
EPDM Preto

**GUA1082101**

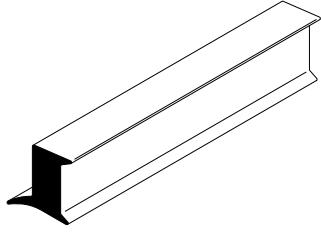
Guarn. do Marco  
EPDM Preto

**GUA239**

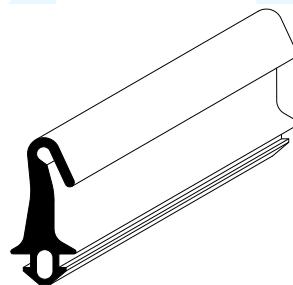
Guarnição do Marco  
EPDM Preto

**GUA007**

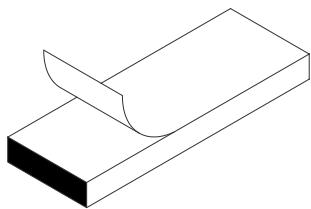
Guarnição da Pingadeira  
EPDM Preto

**GUA374**

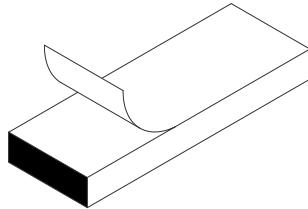
Guarnição da Pingadeira  
EPDM Preto

**GUA376**

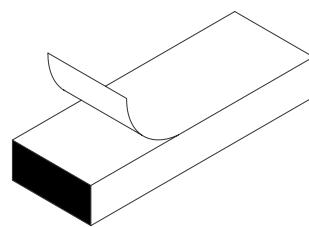
Guarnição da Câmara  
EPDM Preto

**GUA305**

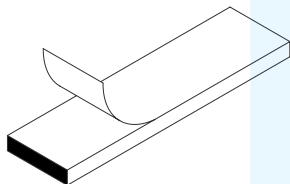
Guarn. Ades. Esponjosa  
14mm x 3,2mm  
Preta

**GUA306**

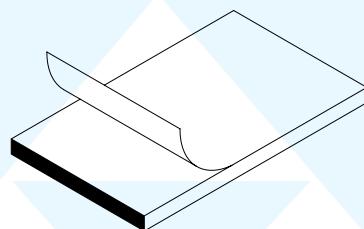
Guarn. Ades. Esponjosa  
14mm x 4,8mm  
Preta

**GUA304**

Guarn. Ades. Esponjosa  
14mm x 6,4mm  
Preta

**GUA172**

Guarn. Ades. Esponjosa  
11mm x 1,8mm  
Preta

**GUA282**

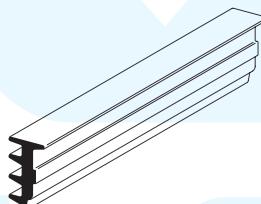
Guarn. Adesiva Esponjosa  
22mm x 2mm  
Preta

**Reddiglaze  
Super Glue**

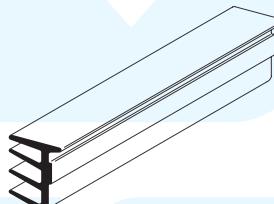
Adesivo  
para Guarnições

**GUA309**

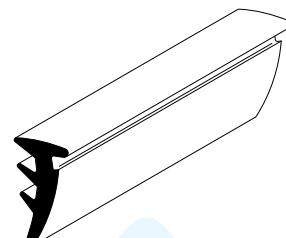
Vedaçāo do Engate  
Ø 6,5mm  
EPDM Preto

**GUA259**

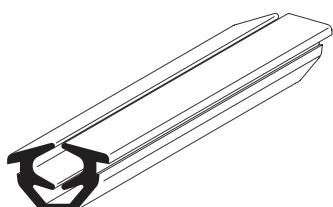
Guarnição do Vidro  
EPDM Preto

**GUA256**

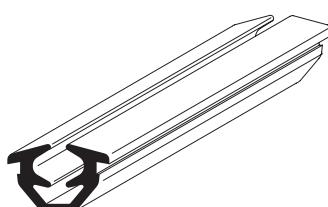
Guarnição do Vidro  
EPDM Preto

**GUA303**

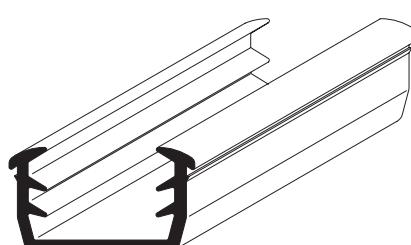
Guarnição do Vidro  
EPDM Preto

**GUA385**

Guarnição para Vidro  
de 3mm e 4mm  
EPDM Preto

**GUA386**

Guarnição para Vidro  
de 5mm e 6mm  
EPDM Preto

**GUA398**

Guarnição para Vidro Duplo  
de 18mm  
EPDM Preto

5

linha  
IV  
*gold*

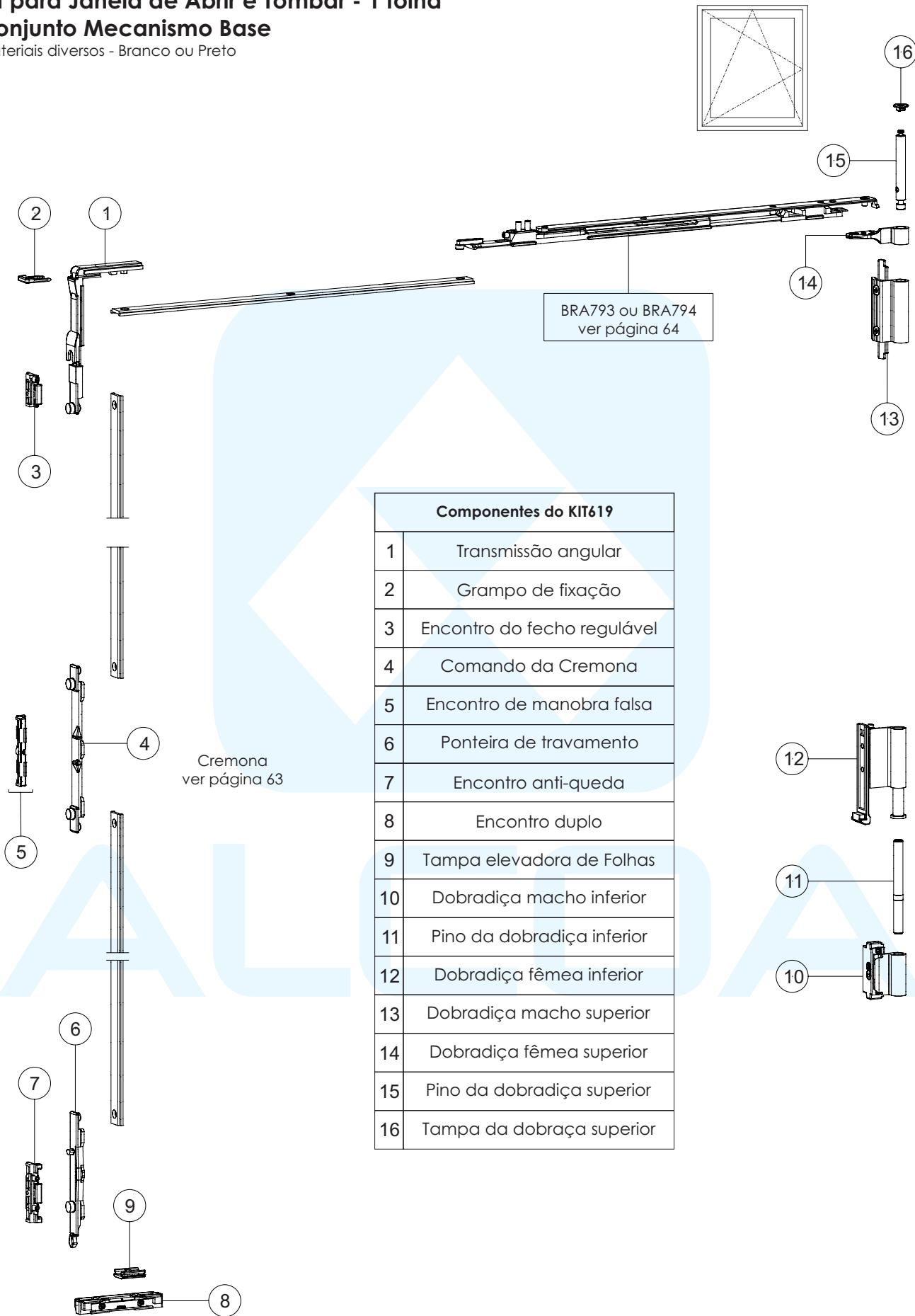
# Instruções de montagem


**ALCOA**

## Kit para Janela de Abrir e Tombar - 1 folha

### Conjunto Mecanismo Base

Materiais diversos - Branco ou Preto



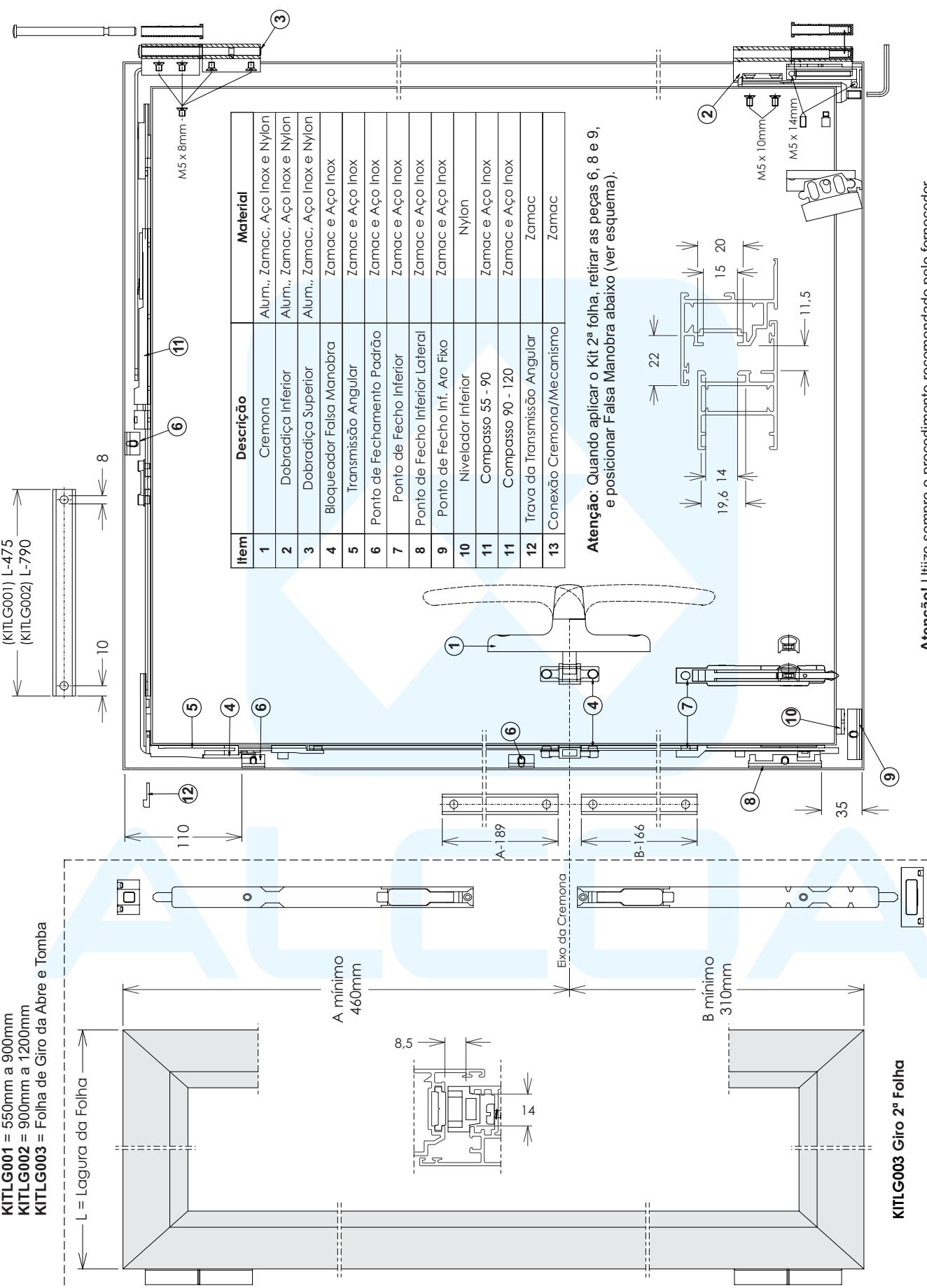
5

linha  
Gold

## Instruções de montagem


  
ALCOA

## Kit Abre e Tomba KITLG001 / KITLG002



5

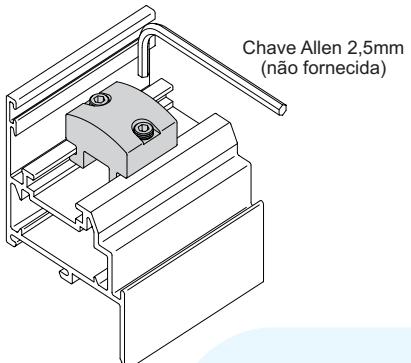
linha  
IV  
*Gold*

# Instruções de montagem


  
ALCOA

## Kit Abre e Tomba - KITLG001 / KITLG002 / KITLG003

### Regulagem



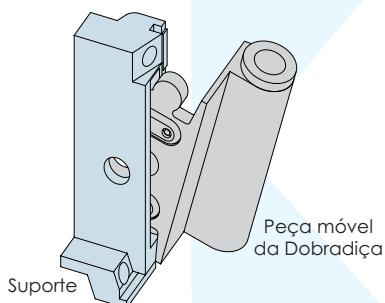
Uma vez ajustado  
(aperto necessário 1Nm),  
apertar os parafusos moderadamente,  
até no máximo 1,8 / 2Nm

**Regulador do Compasso**

### Conjunto da Dobradiça Inferior

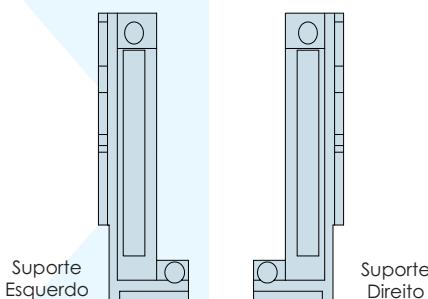
1

Tirar a Dobradiça do Suporte



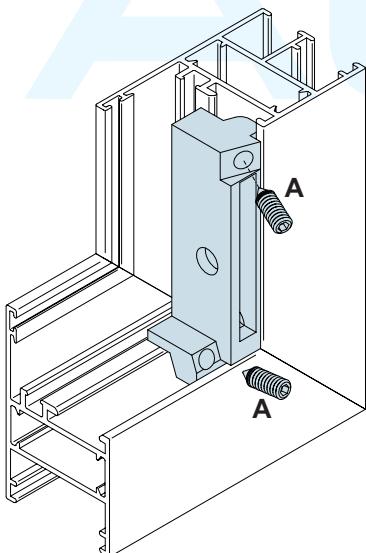
2

Escolher o suporte a aplicar  
(esquerdo ou direito)



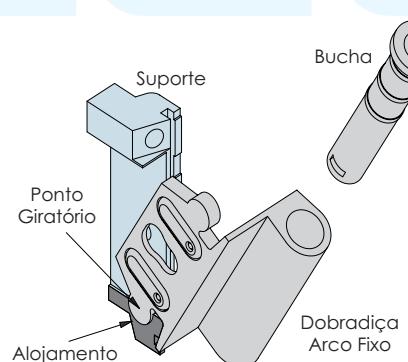
3 Fixar o suporte no canto  
do marco, com os parafusos  
M5 x 14mm (A);

Apertar os parafusos com aperto  
máximo de 1,5 / 2Nm.



4 Introduzir a bucha  
na dobradiça,  
depois de escolher  
esquerdo ou direito;

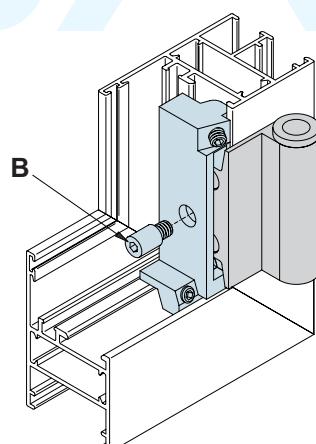
Introduzir a dobradiça  
no alojamento do suporte.



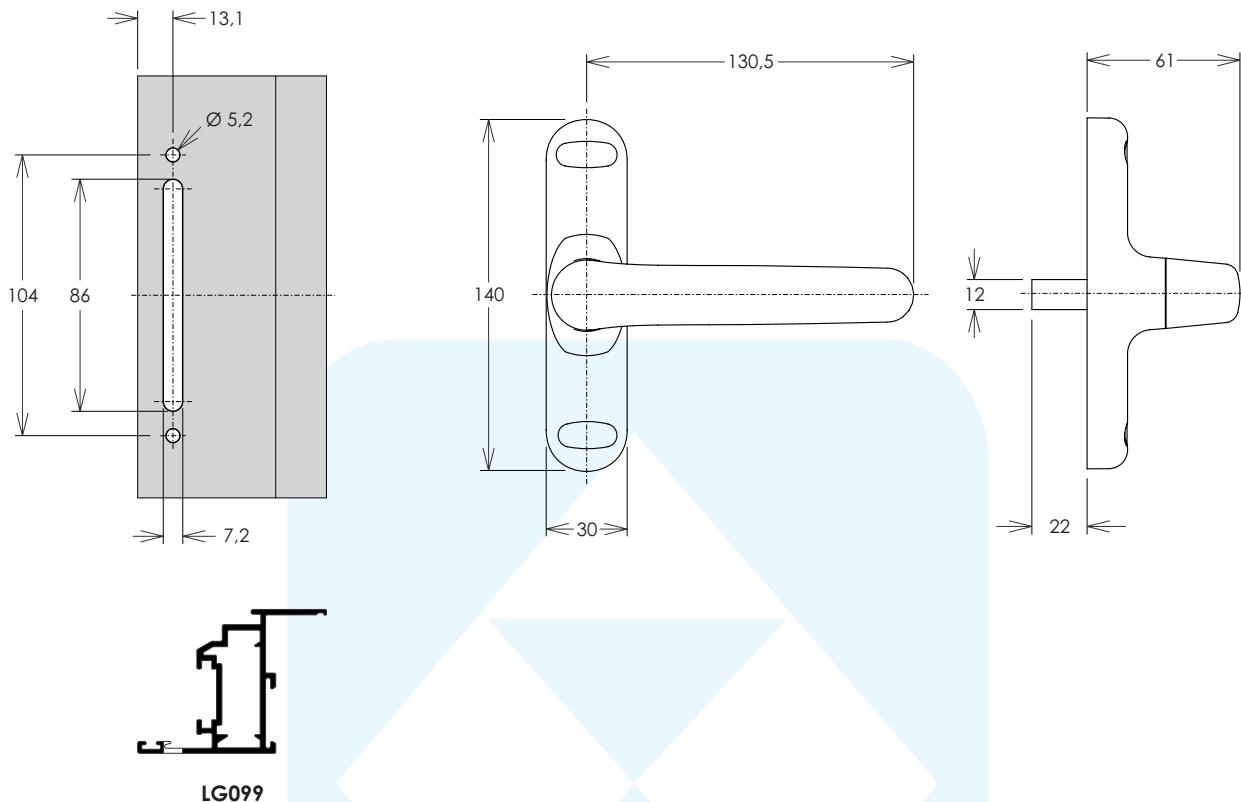
5

Girar a dobradiça até  
o fim de seu curso  
e fixar o parafuso(B);

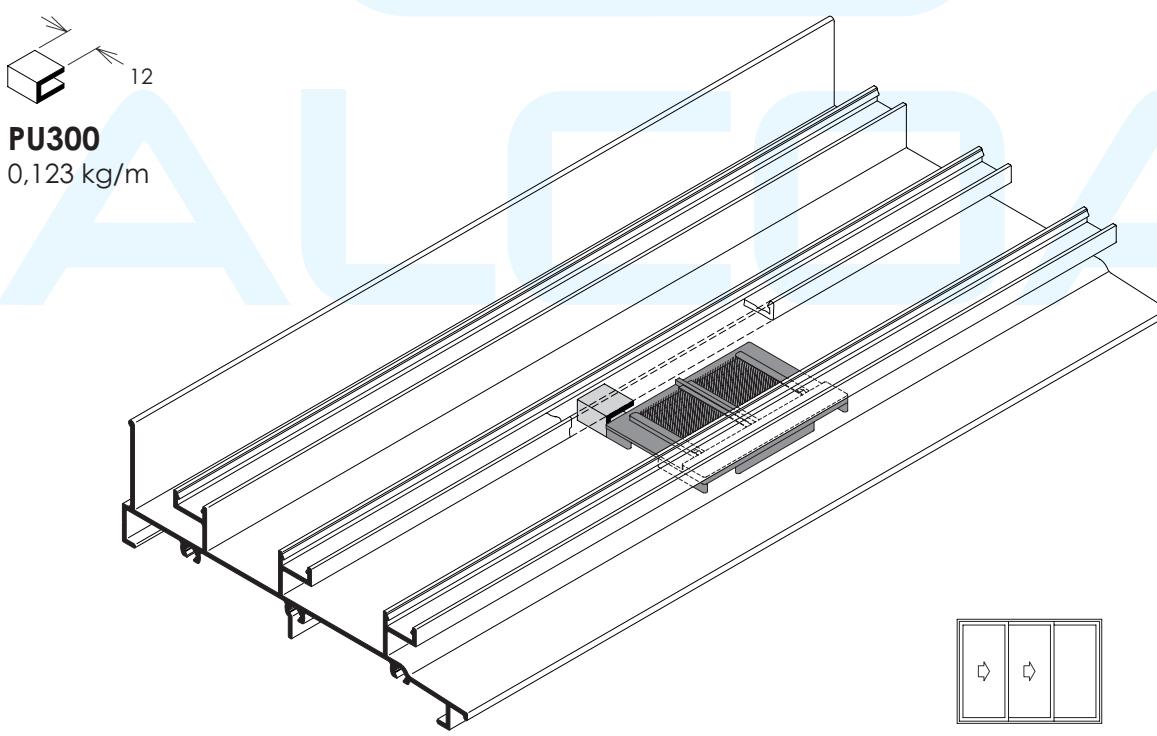
Apertar o parafuso (B),  
com um aperto máximo  
de 1,5 / 2Nm.



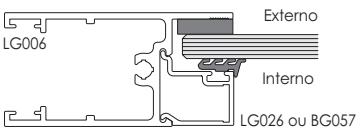
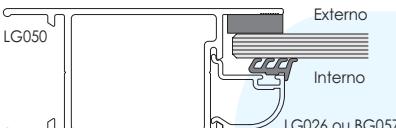
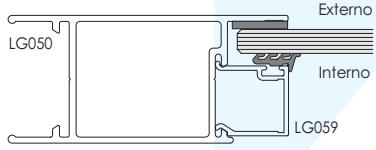
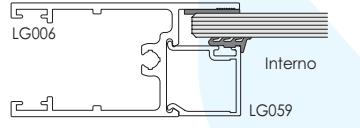
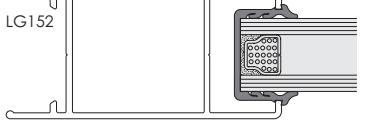
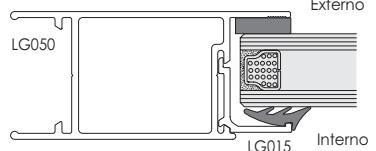
**Usinagem para Cremona  
(para KITLG001 e KITLG002)**



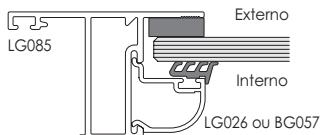
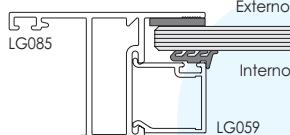
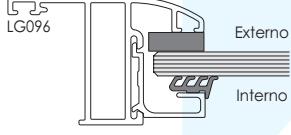
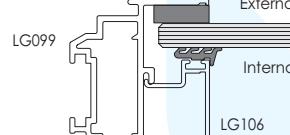
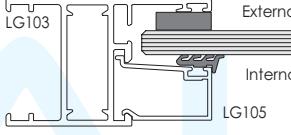
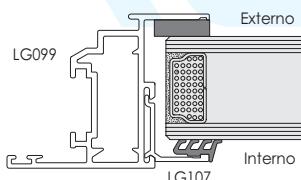
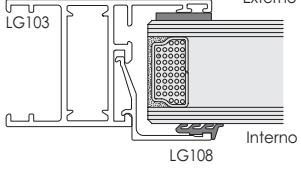
**Calço para Caixa de Dreno  
(Janela e Porta de Correr, três planos)**



## Alternativas construtivas - Guarnições para vidro

Detalhes	Espessura do vidro	Guarnição Interna	Guarnição Externa
	6	GUA256	GUA306
	8	GUA259	GUA306
	10	GUA259	GUA305
	6	GUA256	GUA304
	8	GUA259	GUA304
	10	GUA259	GUA306
	4	GUA259	GUA304
	6	GUA259	GUA306
	4	GUA259	GUA306
	6	GUA259	GUA305
	3	GUA385	- X -
	4	GUA385	- X -
	5	GUA386	- X -
	6	GUA386	- X -
	18	GUA398	- X -
	18	GUA303	GUA304

## Alternativas construtivas - Guarnições para vidro

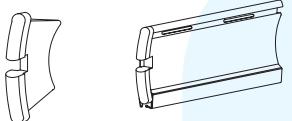
Detalhes	Espessura do vidro	Guarnição Interna	Guarnição Externa
 LG085	6	GUA256	GUA304
	8	GUA259	GUA304
	10	GUA259	GUA306
 LG059	4	GUA259	GUA304
	6	GUA259	GUA306
 LG096	6	GUA256	GUA306
	8	GUA259	GUA304
	10	GUA259	GUA306
 LG099	6	GUA256	GUA304
	8	GUA259	GUA304
	10	GUA259	GUA306
 LG103	6	GUA256	GUA304
	8	GUA259	GUA304
	10	GUA259	GUA306
 LG107	31	GUA259	GUA306
 LG108	31	GUA259	GUA305

## Orientação de montagem dos painéis de Persiana

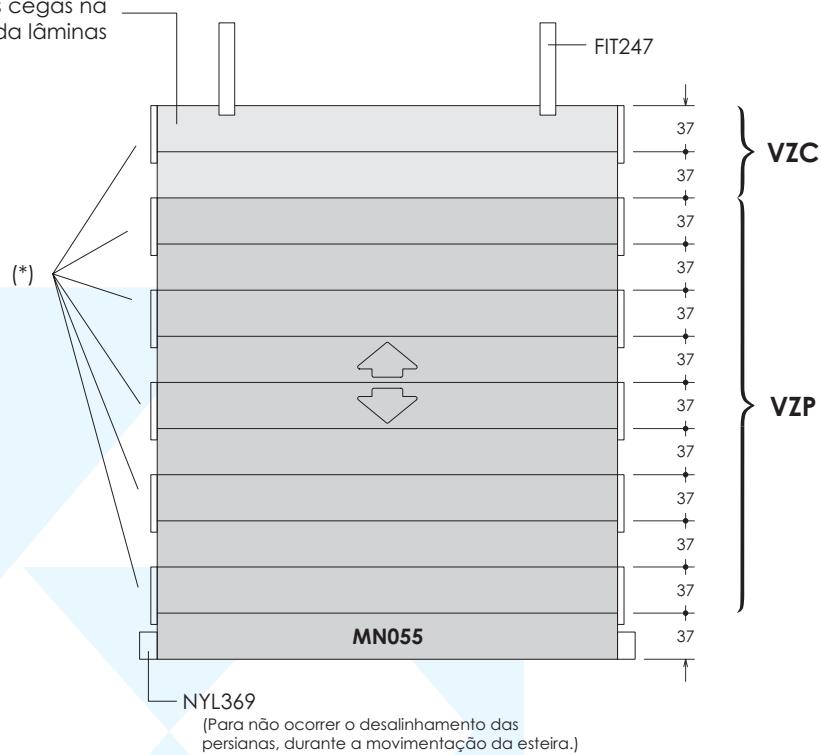
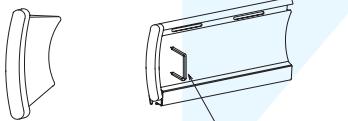
Devido ao retorno da mola, utilizar venezianas cegas na parte superior, na proporção de 20% do total da lâminas

(\*) Tampas das Persianas

Para persiana nacional:  
**NYL375**

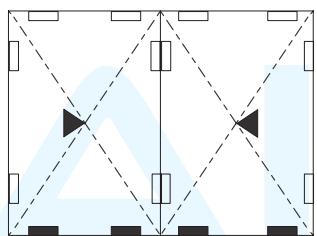


Para persiana importada:  
**NYL447**

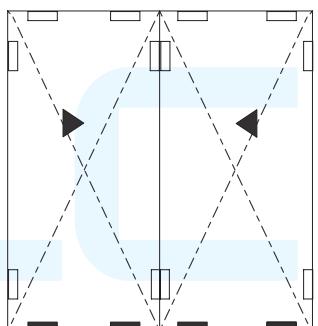


## Instrução de posicionamento dos calços do vidro

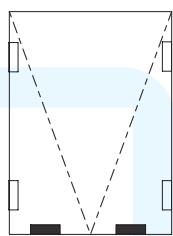
Janela de Correr



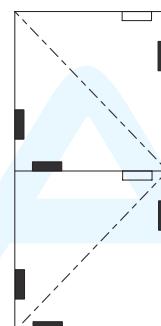
Porta de Correr



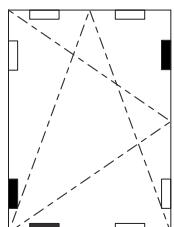
Maxim ar



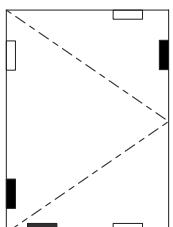
Porta de Giro



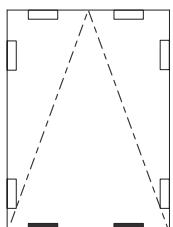
Abre e Tomba



Giro



Tombar



Calço periférico  
 Calço de apôio

**6**



## Arquivos eletrônicos



Os capítulos referentes a

- |          |                             |                               |  |
|----------|-----------------------------|-------------------------------|--|
| <b>7</b> | <i>linha</i><br><b>Gold</b> | <b>Usinagens</b>              |  |
| <b>8</b> | <i>linha</i><br><b>Gold</b> | <b>Instruções de montagem</b> |  |
| <b>9</b> | <i>linha</i><br><b>Gold</b> | <b>Desenhos de montagem</b>   |  |

Encontram-se disponíveis no endereço eletrônico [www.alcoa.com.br/gold](http://www.alcoa.com.br/gold)

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