

ALUGARBE



Sistema de Batente

Série Corte Térmico

Série Extrusal A.100



CONSTRUÇÃO SUSTENTÁVEL

O A.100 Extrusal, composto por três sistemas, foi concebido para a construção de janelas com elevados desempenhos proporcionando o máximo conforto das habitações.

A versão A.175, a excelência do sistema, apresenta os melhores resultados AEV, mecânicos, acústicos e térmicos do conjunto. As outras duas soluções, A.165 e A.155, são as versões mais económicas do sistema. térmicos e acústicos.

SOLUÇÕES CONSTRUTIVAS

- Aro fixo com corte à meia esquadria - perfis unidos
- Envidraçados fixos;
- Janelas projetantes;
- Abertura oscilo paralela e em harmónio;
- Compatível com o A.055 SISTEMA DE PORTAS;
- Soluções para substituição de janelas em madeira e montagem de janelas em paredes de blocos com isolamento na face interior.

DIMENSIONAMENTO

- Esquadros específicos em alumínio extrudido;
- Perfis com duplo tubular para esquadros de estrutura;
- Esquadros comuns para o aro fixo e móvel;
- Possibilidade de montagem de perfis de remate.

DIMENSIONAMENTO

Folhas móveis:

390 mm ≤ altura ≤ 2700 mm

390 mm ≤ largura ≤ 1400 mm

Valores condicionados pelas diferentes tipologias construtivas.
Medidas superiores sujeitas a consulta.

FERRAGENS

Peso máximo por folha: 130 Kg (solução batente e oscilobatente);

Peso máximo por folha: 120 Kg (solução projectante);

Peso máximo por folha: 70 Kg (solução basculante).

CAPACIDADE DO ENVIDRAÇAMENTO

A.175 : 38 mm < espessura do vidro < 54 mm

- Junta perimetral para gola em espuma elastomérica;

- Vedante central com complemento bicomponente.

A.165 : 30 mm < espessura do vidro < 46 mm

A.155 : 20 mm < espessura do vidro < 36 mm

Vedantes em EPDM.

PERFIS DE ALUMÍNIO

Termicamente melhorados (RPT).

Comprimento standa r d: 6500 mm.

Espessura nominal geral dos perfis: 1.5 mm para janelas e

1.6 mm para sacadas.

Poliamidas Technoform Bautech: PA 6.6 GF 25 (25% fibra de vidro)

- espessuras de 34 mm (A.175), 24.8 mm (A.165) e

Liga EN AW-6060 [Al MgSi].

Composição química de acordo com a norma EN 573-3.

Tolerâncias nas dimensões e na forma de acordo

com a norma EN 755-9.

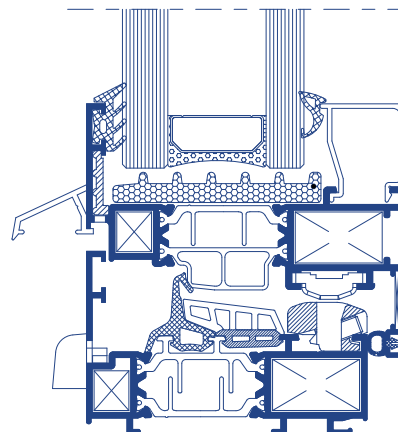
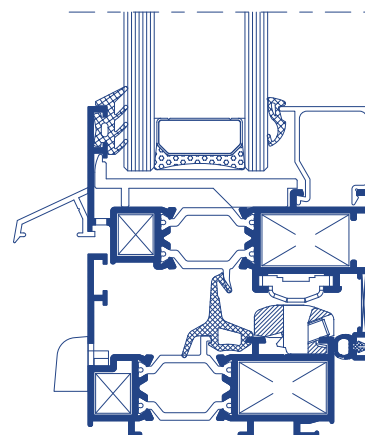
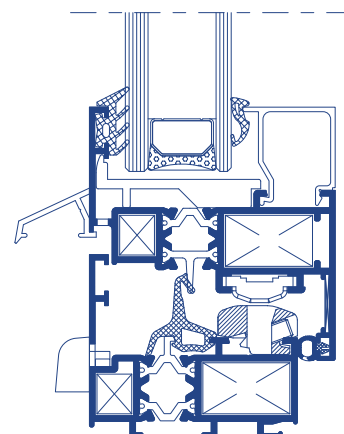
Estado das propriedades mecânicas EPM T5

(standard) de aço rdo com a norma EN 755-2:

$R_{p0.2} \geq 120 \text{ Mpa}$.

$R_m \geq 160 \text{ Mpa}$.

$A_{50mm} \geq 6\%$.





DESEMPENHOS

ENSAIO DO TIPO INICIAL (ITT)

Boletim de ensaio nº 26/2012

Organismo notificado nº 0856

Janela composta por duas folhas giratórias de eixo vertical e um sistema oscilobatente na folha prioritária.

Dimensão: 1600 mm x 2000 mm

Versão: A.175



Boletim de ensaio nº 29/2012

Organismo notificado nº 0856

Janela composta por duas folhas giratórias de eixo vertical e um sistema oscilobatente na folha prioritária.

Dimensão: 1600 mm x 2000 mm

Versão: A.155 / A.165



DESEMPENHO ACÚSTICO

Relatório nº ACU 459/2012

Organismo notificado nº 2211



R_w: Índice de isolamento sonoro (dB);
C: Termo de adaptação ao espectro do ruído rosa;
C_{tr}: Termo de adaptação ao espectro do tráfego;

Valor declarado de referência (*) da atenuação acústica segundo o anexo B da norma NP EN 14351-1 +A1.

Vidro duplo (IGU)		Janela R_w (C;Ctr) dB			
R_w (C;Ctr) dB	área $\leq 2.7 \text{ m}^2$	$2.7 \text{ m}^2 < \text{área} \leq 3.6 \text{ m}^2$	$3.6 \text{ m}^2 < \text{área} \leq 4.6 \text{ m}^2$	$4.6 \text{ m}^2 < \text{área}$	
34 (-1; -4)	35 (-1; -4)	34 (-1; -4)	33 (-1; -4)	32 (-1; -4)	
35 (-1; -4)	35 (-1; -4)	34 (-1; -4)	33 (-1; -4)	32 (-1; -4)	
36 (-1; -4)	36 (-1; -4)	35 (-1; -4)	34 (-1; -4)	33 (-1; -4)	
37 (-1; -5)	36 (-1; -4)	35 (-1; -4)	34 (-1; -4)	33 (-1; -4)	
38 (-1; -4)	37 (-1; -4)	36 (-1; -4)	35 (-1; -4)	34 (-1; -4)	
39 (-1; -4)	37 (-1; -4)	36 (-1; -4)	35 (-1; -4)	34 (-1; -4)	
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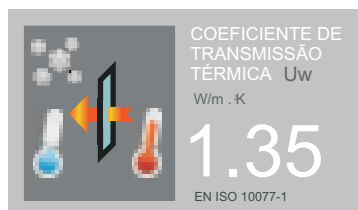
* Valor declarado de referência

COEFICIENTE DE TRANSMISSÃO TÉRMICA

Relatório nº HIG 706/2012; HIG 707/2012;

HIG 708/2012 e HIG 709/2012

Organismo notificado nº 2211



U_w: Coeficiente de transmissão térmica da janela (W/m²K)
A_w: Área da janela (m²)
U_g: Coeficiente de transmissão térmica do vidro (W/m²K)
U_f: Coeficiente de transmissão térmica dos perfis (W/m²K)
: Coeficiente de transmissão térmica linear (W/m²K)

(W/m²K)				
$A_w \leq 2.3 \text{ m}^2$	U_g	U_f (médio)	U_w	
A.175.010 / A.175.020	1.0	1.75	0.042	1.35
A.165.010 / A.165.020	1.0	3.46	0.035	1.73
A.155.010 / A.155.020	1.0	3.46	0.035	1.73
$A_w > 2.3 \text{ m}^2$				
A.175.040 / A.175.050	1.0	2.00	0.036	1.57
A.165.040 / A.165.050	1.0	3.64	0.035	1.93
A.155.040 / A.155.050	1.0	3.64	0.035	1.93

SISTEMA DE ETIQUETAGEM ENERGÉTICA DE PRODUTOS



A.175

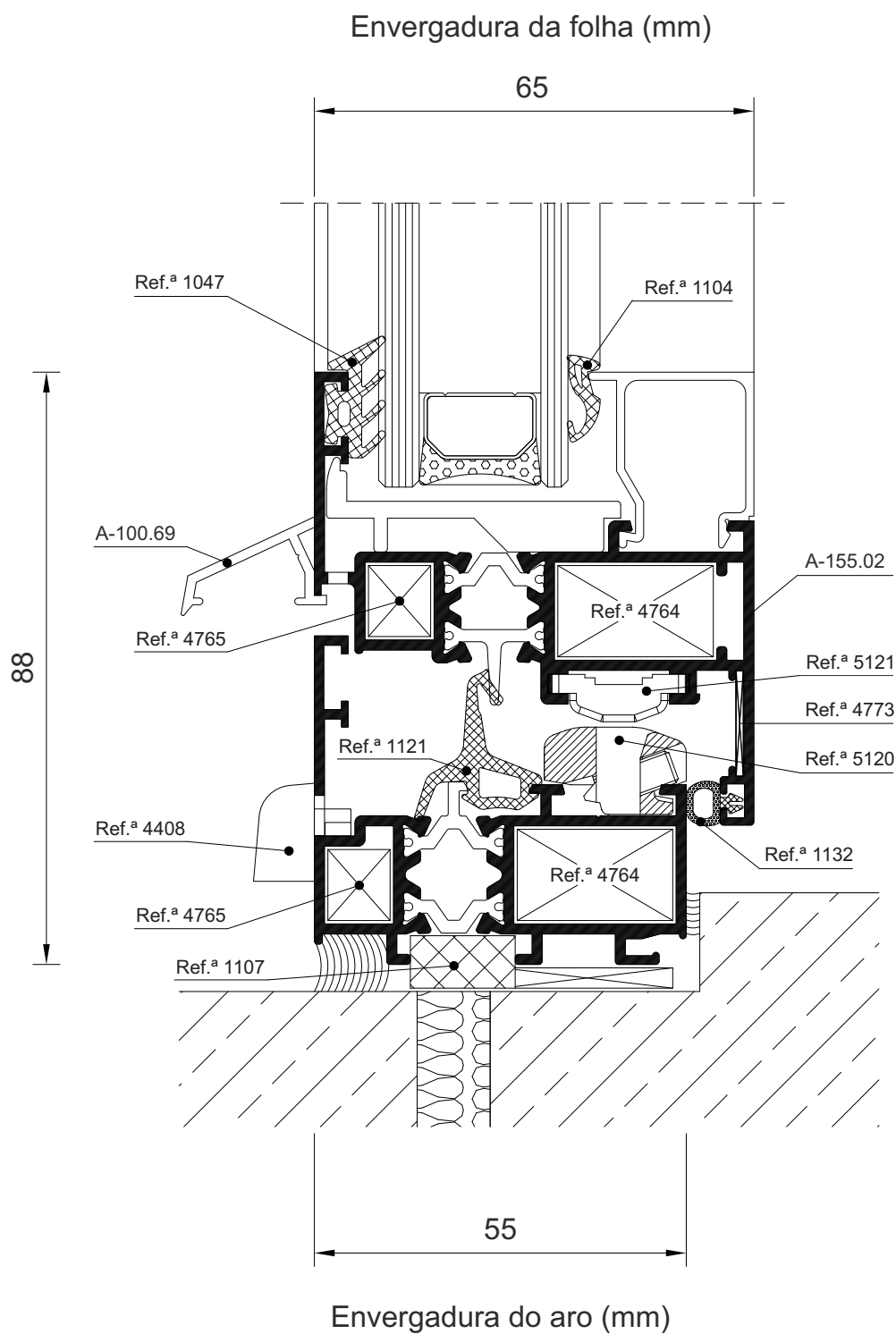


A.165

A.155



SOLUÇÃO BASE





Referência	Secção	Descrição	Stock
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A-155.03		Postiço Central	•
A-155.05		«T» Pequeno	•
A-155.06		Perfil de Condensação	
A-155.11		Aro Fixo	•
A-155.12		Aro Móvel Grande Recto	•
A-155.15		«T» Grande	•
A-155.21		Aro Fixo Grande	•
A-155.22		Aro Móvel Peq. Redondo	
A-155.25		«T» Grande Reforçado	
A-155.33		Aro Móvel Abertura Exterior Recto	
A-155.35		«T» Grande P/Aro Móvel Redondo	
A-155.36		Inversor P/Pivotante	
A-155.37		Aro Fixo P/Projectante	•
A-155.38		Inversor Sentido de Abertura	
A-155.42		Aro Móvel Grande Redondo	
A-155.43		Aro Móvel Porjectante/Pivotante	
A-155.45		Aro Fixo Decorativo	
A-155.51		Aro Fixo com Aba Interior	•
A-155.55		«T» Grande P/Aro Móvel Recto	•
A-155.98		Soleira de Vedação	•

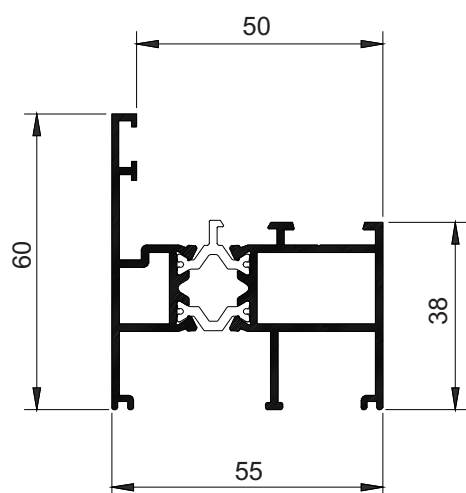
EXTRUSAL A.155

SISTEMA DE BATENTE
SÉRIE CORTE TÉRMICO

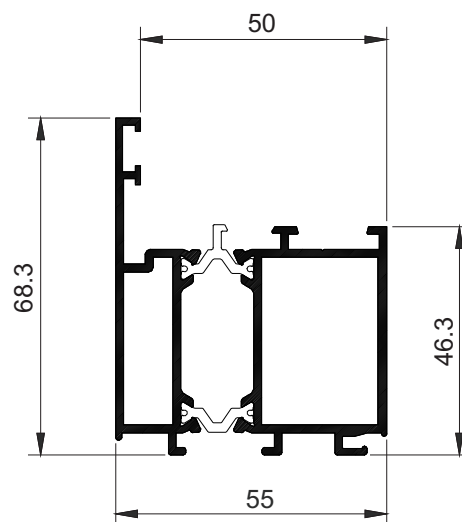


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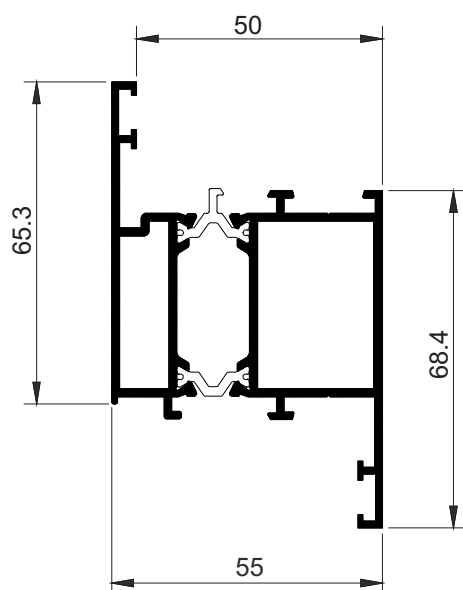
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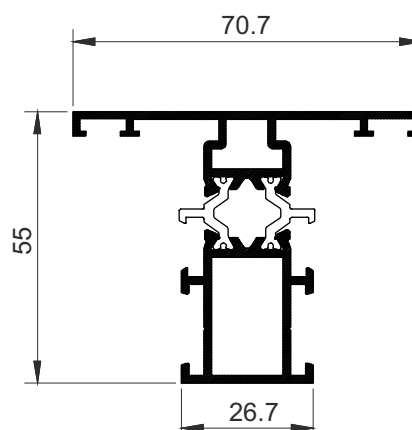
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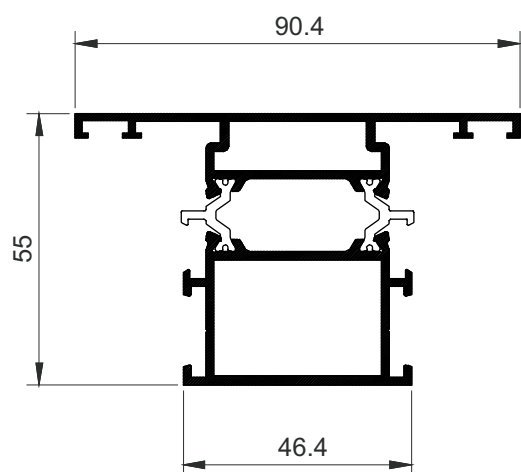
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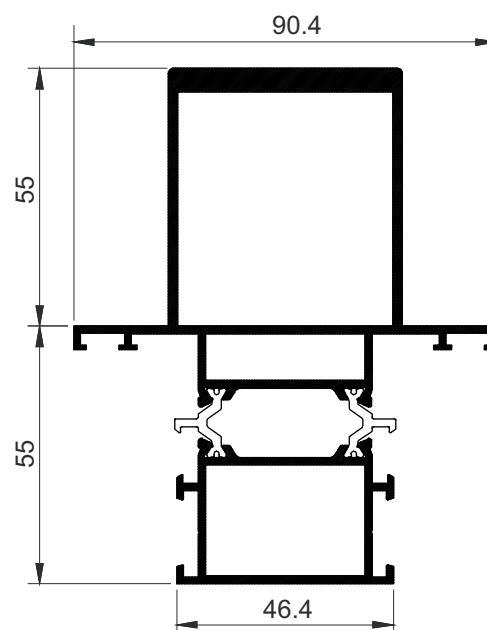
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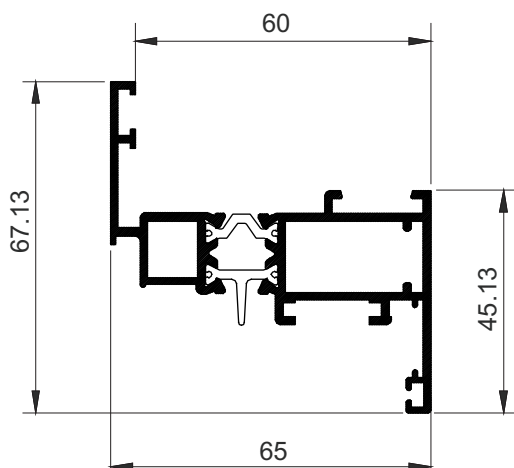
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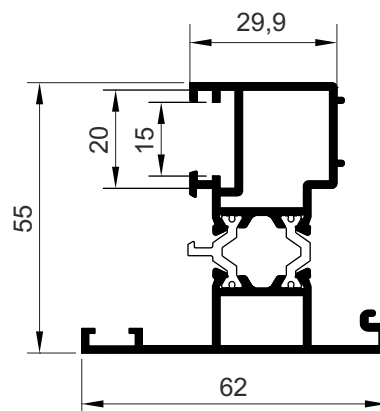
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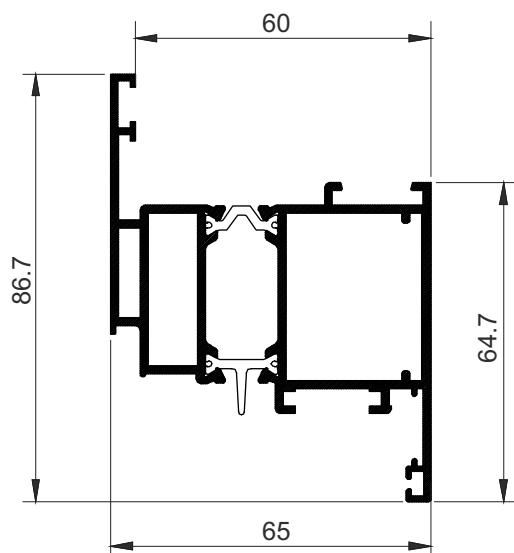
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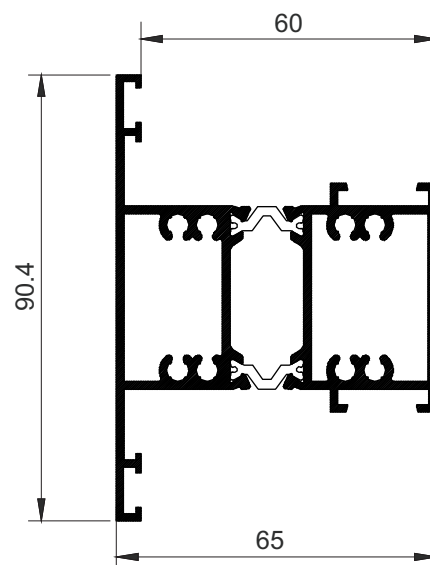
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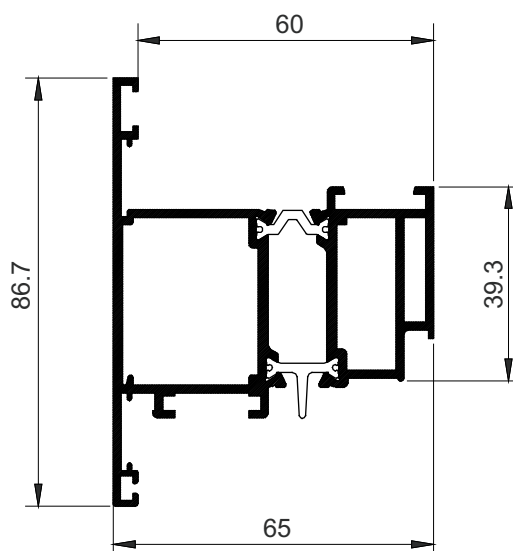
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A-155.12



A-155.55



A-155.33

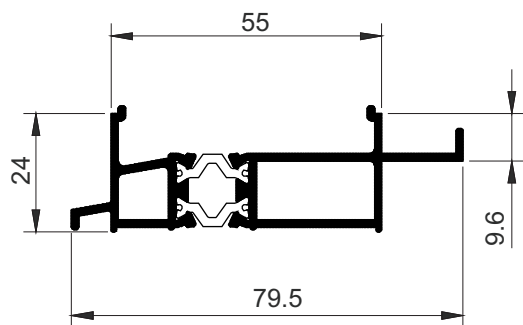
EXTRUSAL A.155

SISTEMA DE BATENTE
SÉRIE CORTE TÉRMICO

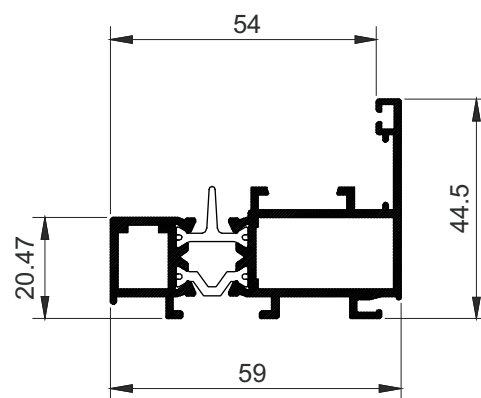


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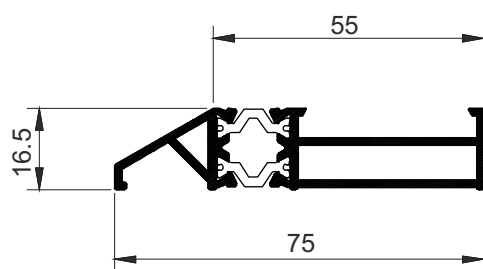
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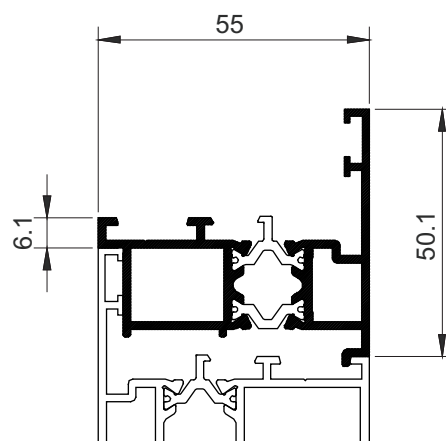
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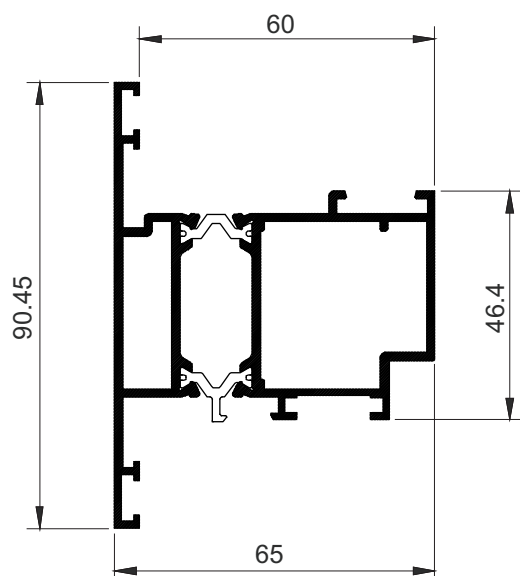
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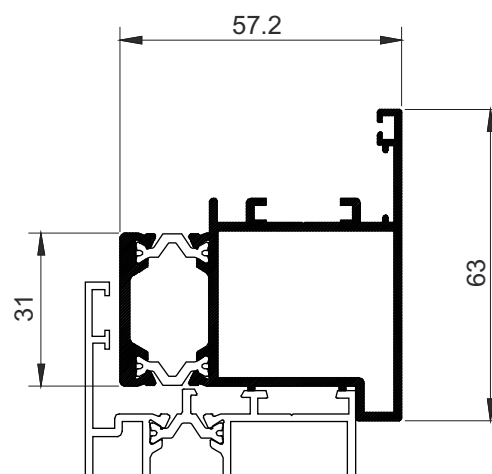
A-155.98



A-155.38



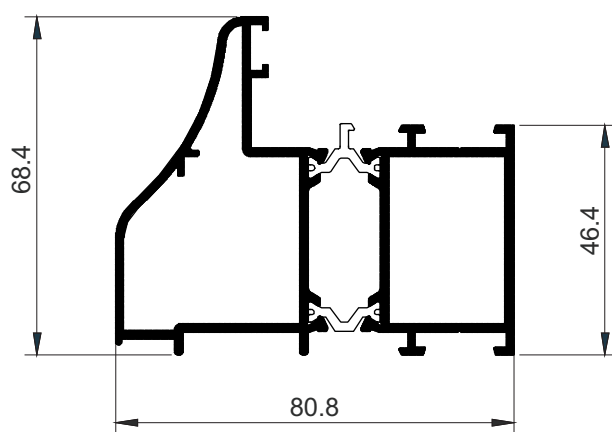
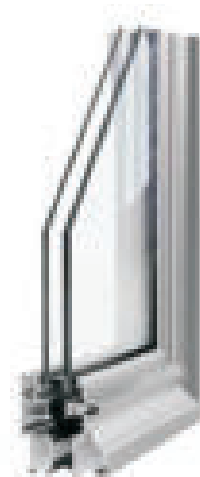
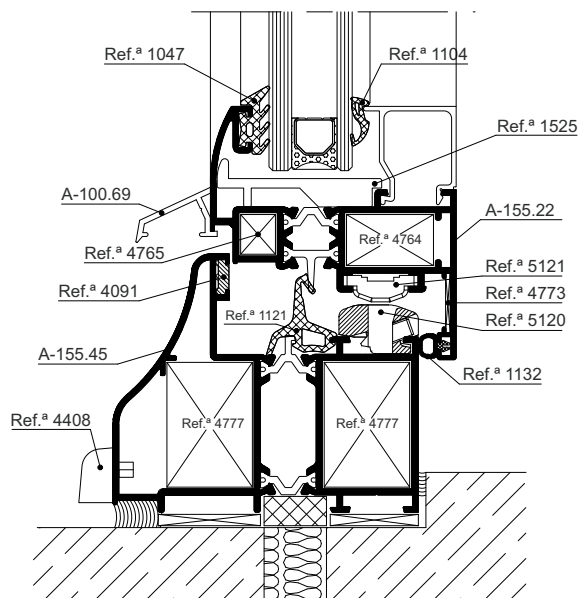
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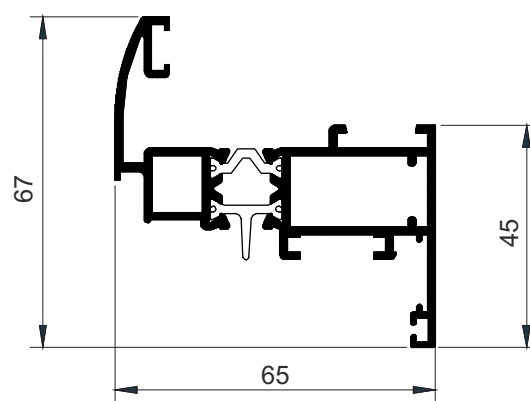
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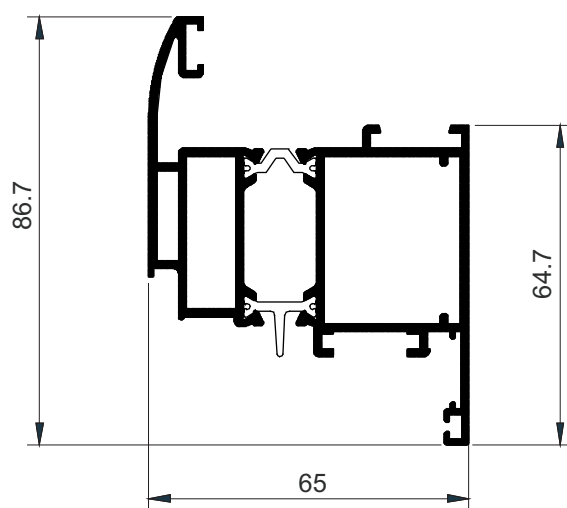
PERFIS CURVOS



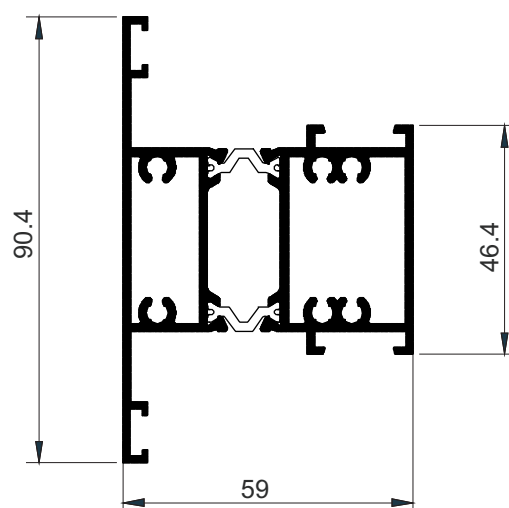
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A-155.22



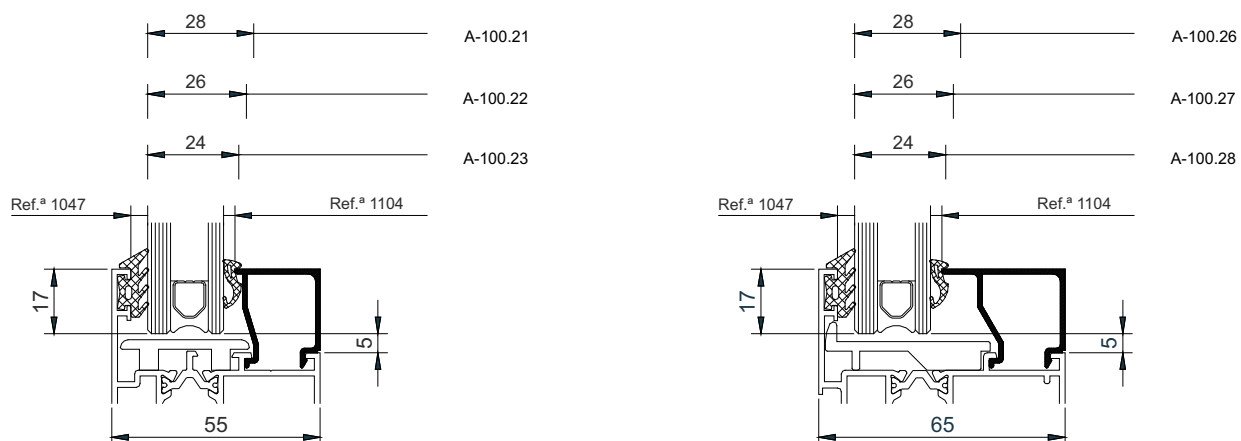
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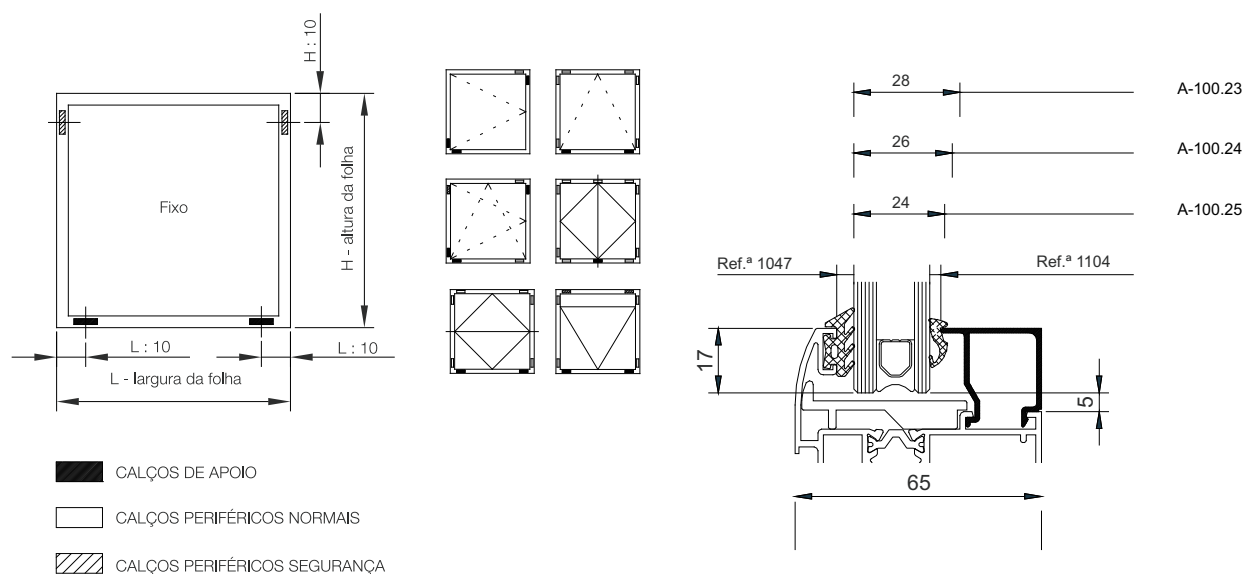
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ENVIDRAÇAMENTO

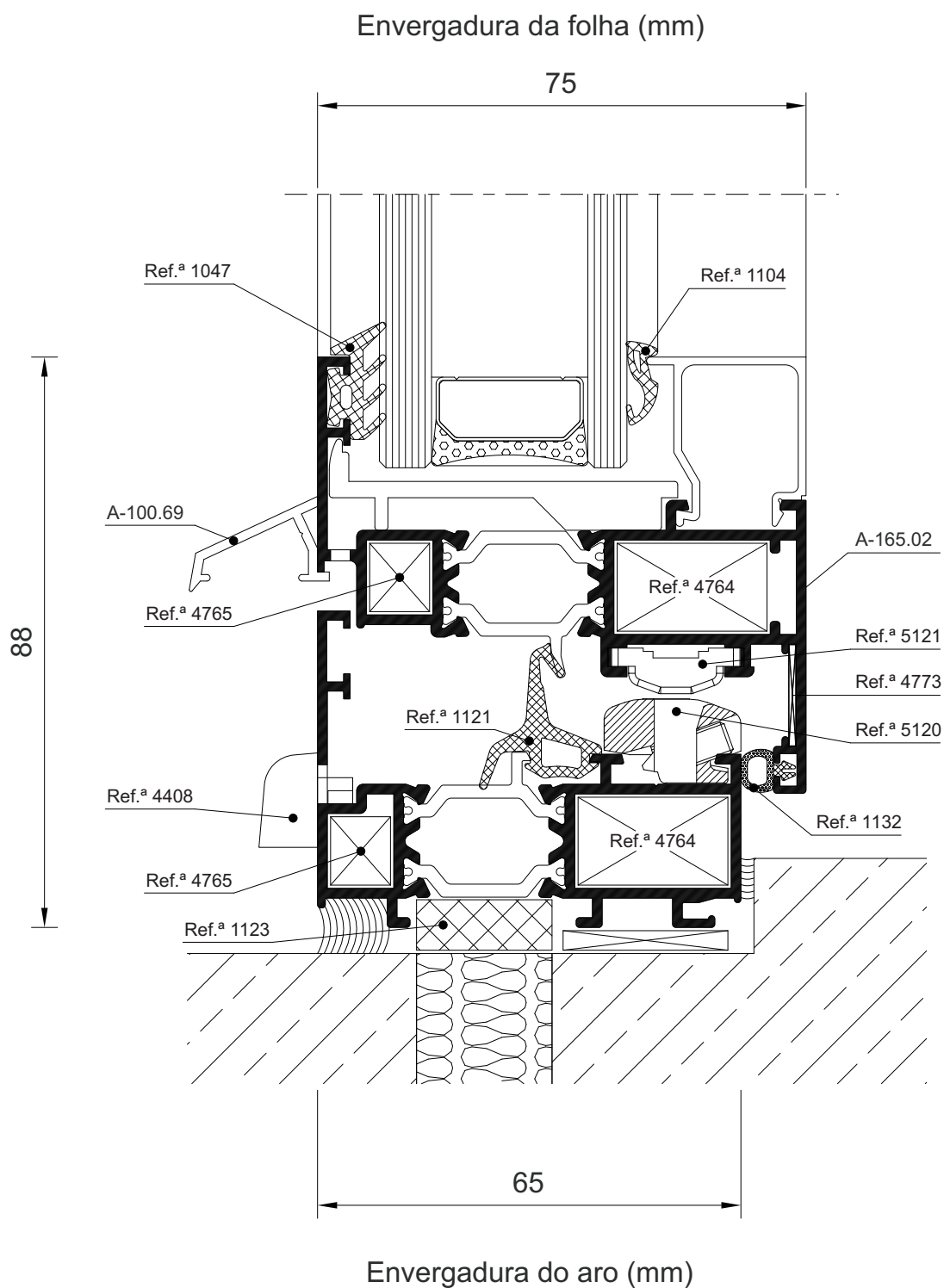


Posicionamento dos calços





SOLUÇÃO BASE





Referência	Secção	Descrição	Stock
A-165.02		Aro Móvel Peq. Recto	•
A-165.03		Postiço Central	•
A-165.05		«T» Pequeno	•
A-165.06		Perfil de Condensação	
A-165.11		Aro Fixo	•
A-165.12		Aro Móvel Grande Recto	•
A-165.15		«T» Grande	•
A-165.21		Aro Fixo Grande	•
A-165.22		Aro Móvel Peq. Redondo	
A-165.25		«T» Grande Reforçado	
A-165.33		Aro Móvel Abertura Exterior Recto	
A-165.35		«T» Grande P/Aro Móvel Redondo	
A-165.36		Inversor P/Pivotante	
A-165.37		Aro Fixo P/Projectante	•
A-165.38		Inversor Sentido de Abertura	
A-165.42		Aro Móvel Grande Redondo	
A-165.43		Aro Móvel Porjectante/Pivotante	
A-165.45		Aro Fixo Decorativo	
A-165.51		Aro Fixo com Aba Interior	•
A-165.55		«T» Grande P/Aro Móvel Recto	•
A-165.98		Soleira de Vedação	•

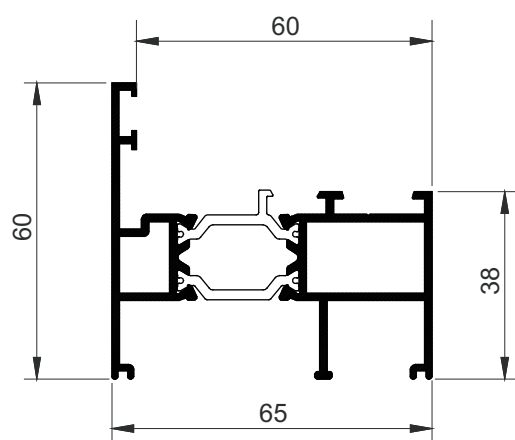
EXTRUSAL A.165

SISTEMA DE BATENTE
SÉRIE CORTE TÉRMICO

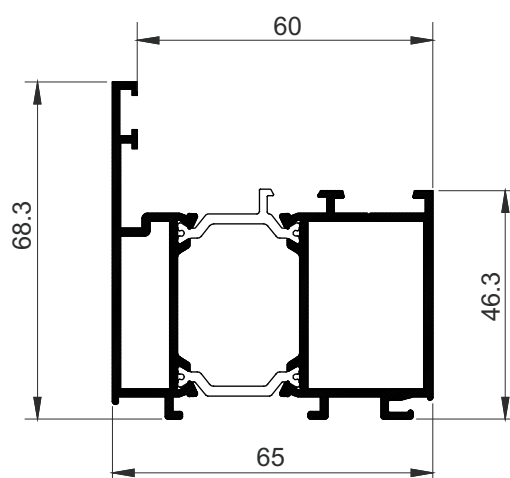


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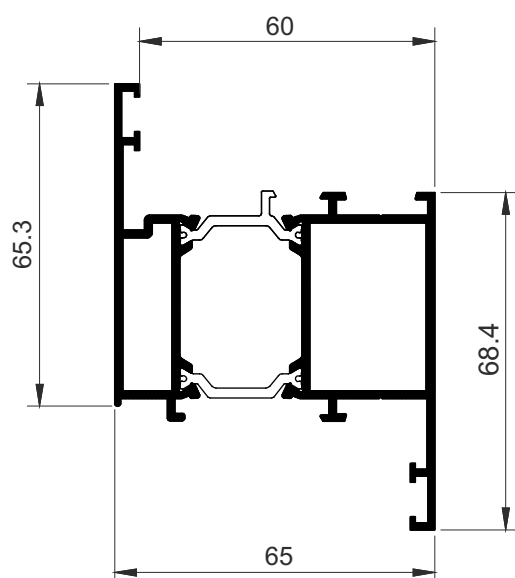
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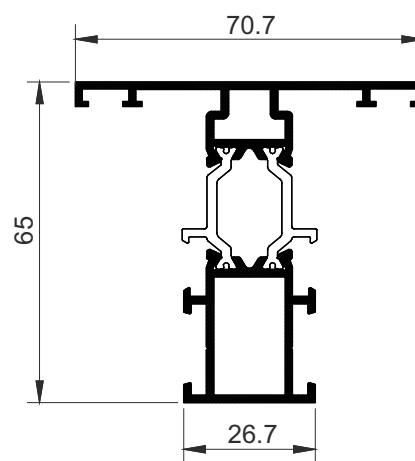
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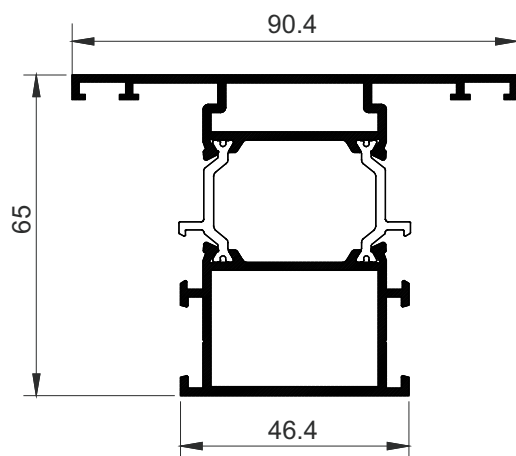
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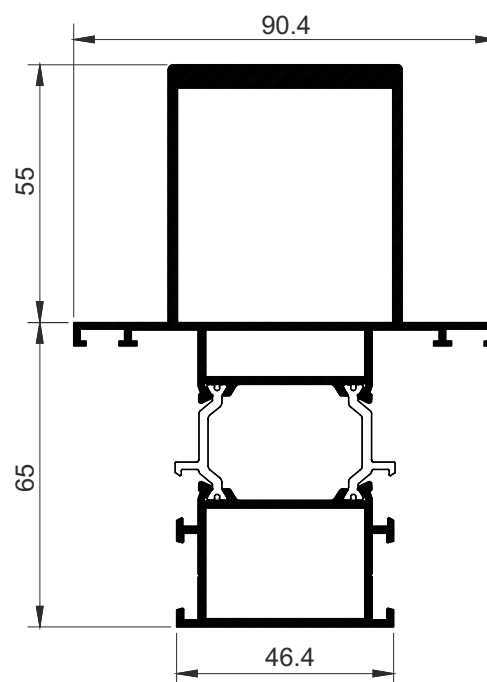
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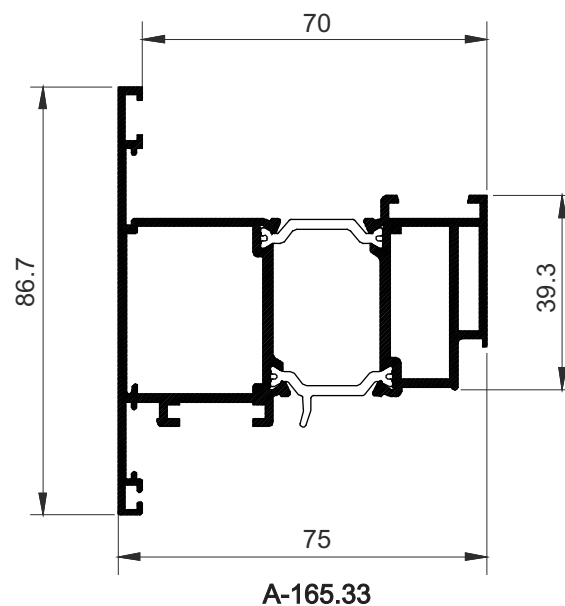
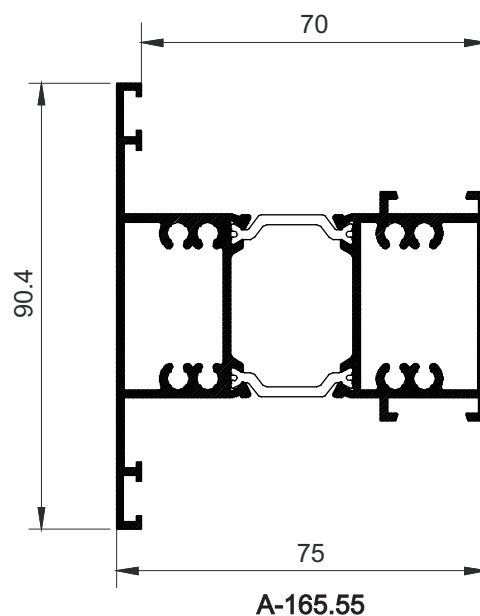
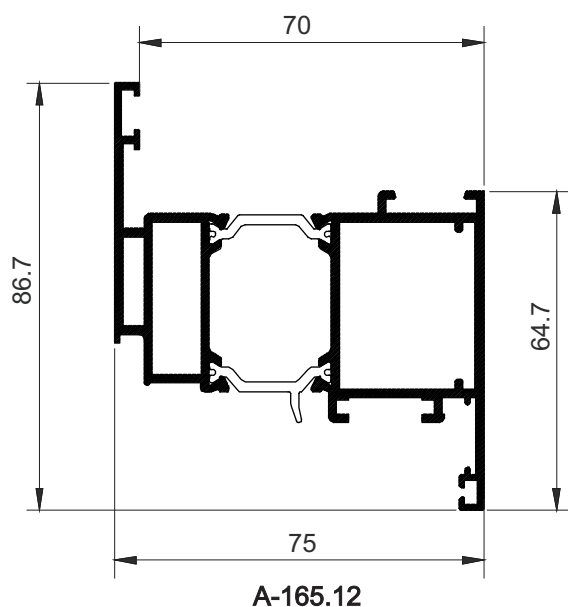
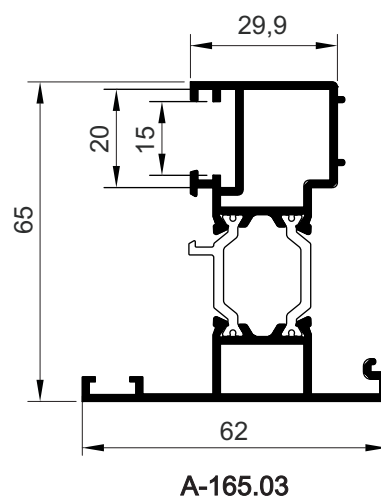
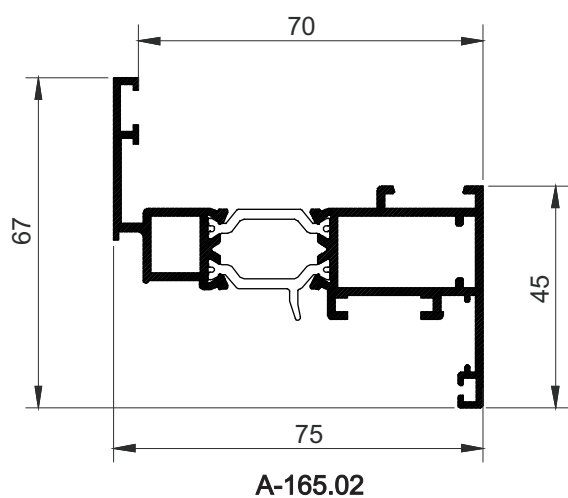
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A-165.25



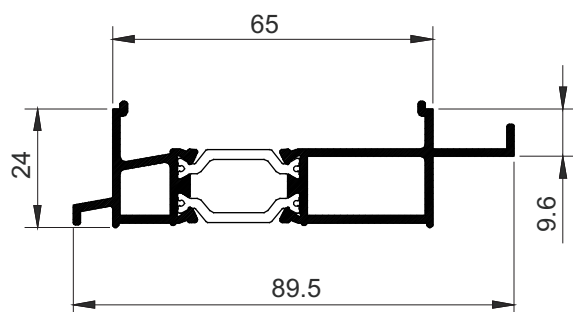
EXTRUSAL A.165

SISTEMA DE BATENTE
SÉRIE CORTE TÉRMICO

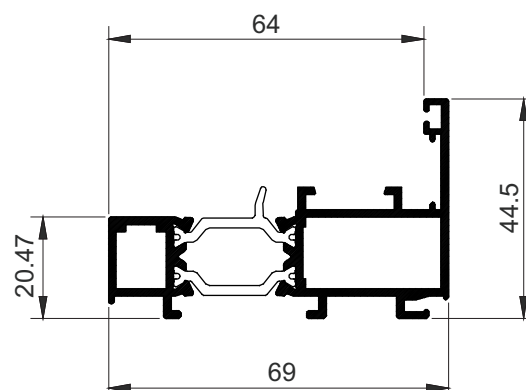


ALUGARBE

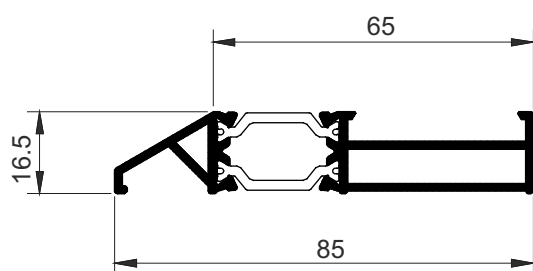
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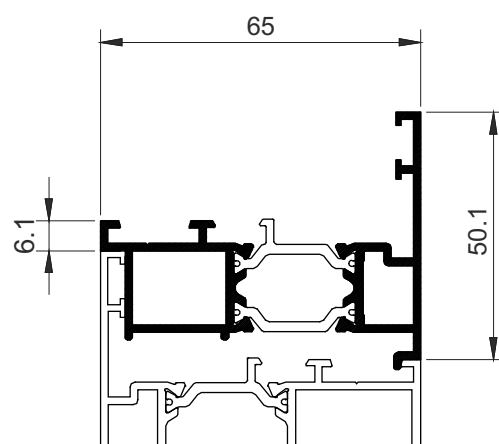
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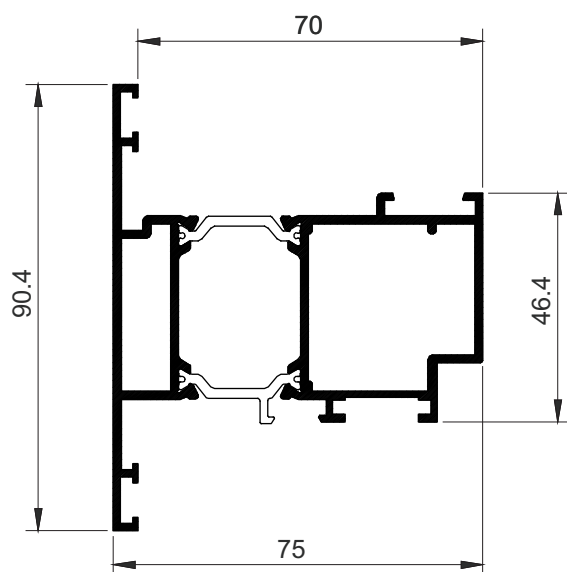
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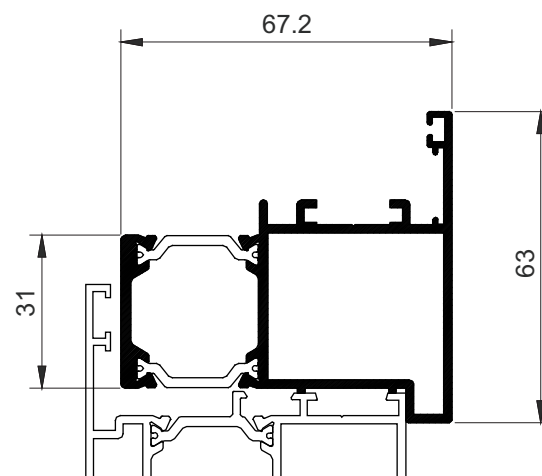
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A-165.38



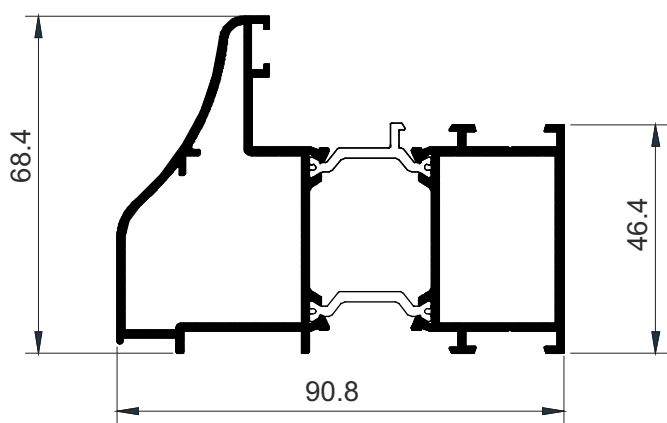
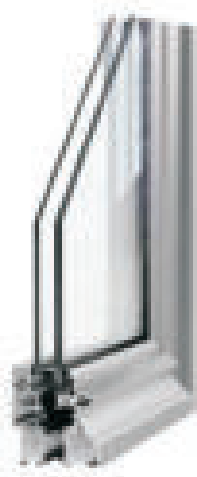
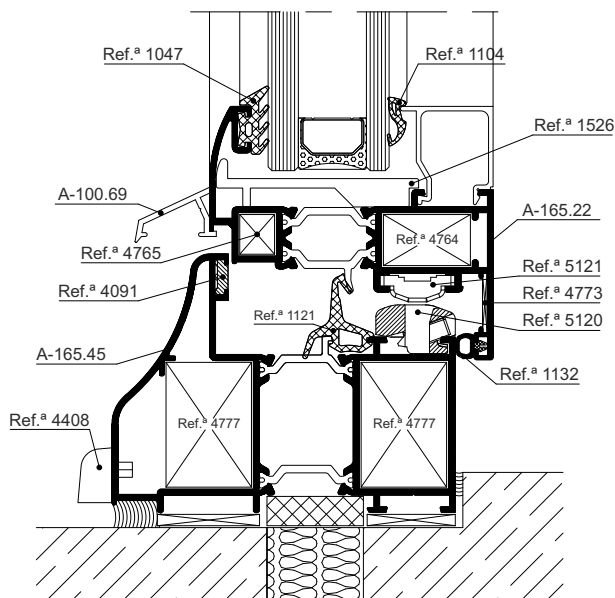
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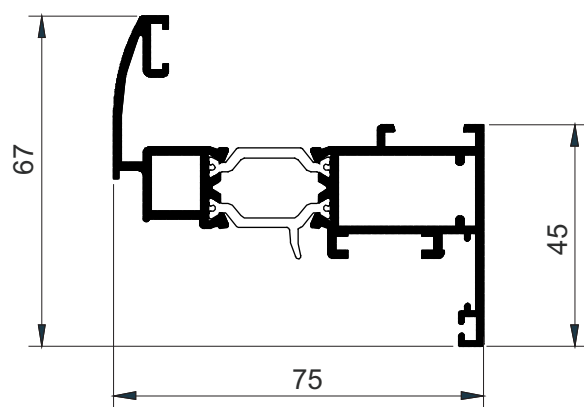
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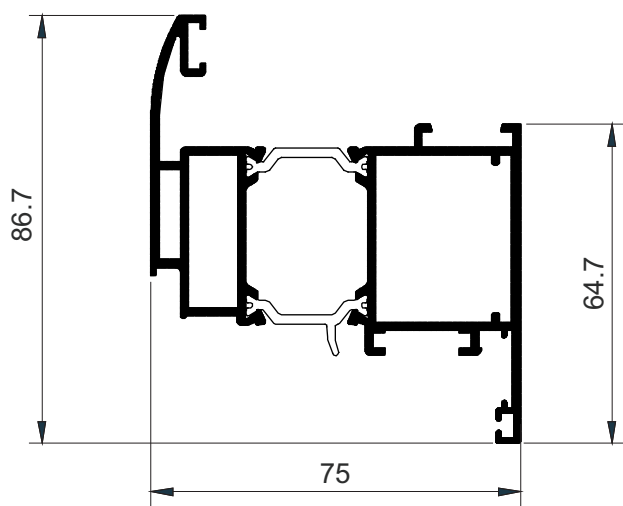
PERFIS CURVOS



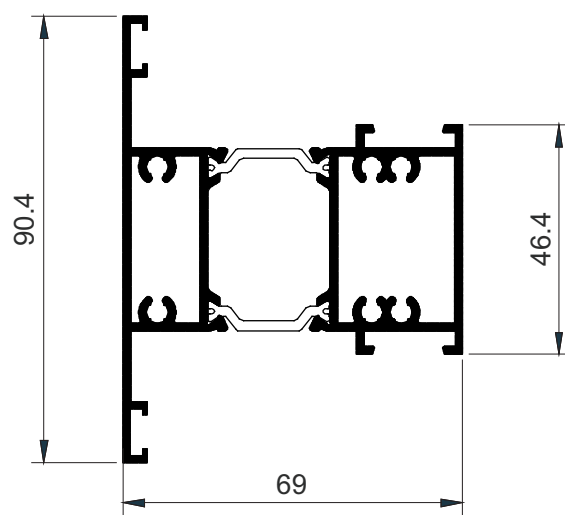
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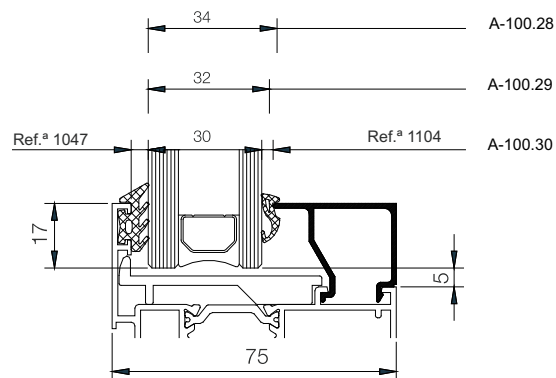
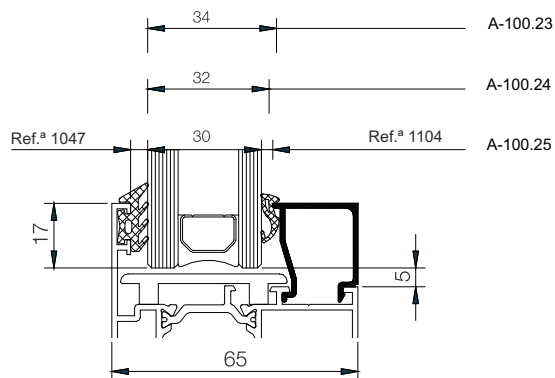
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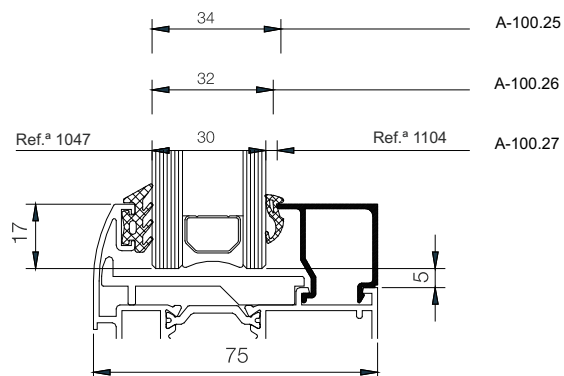
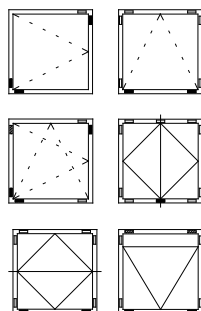
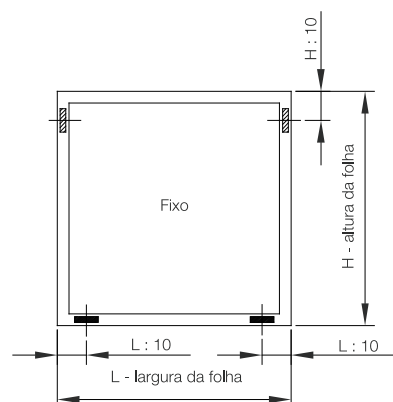
A-165.35






ENVIDRAÇAMENTO



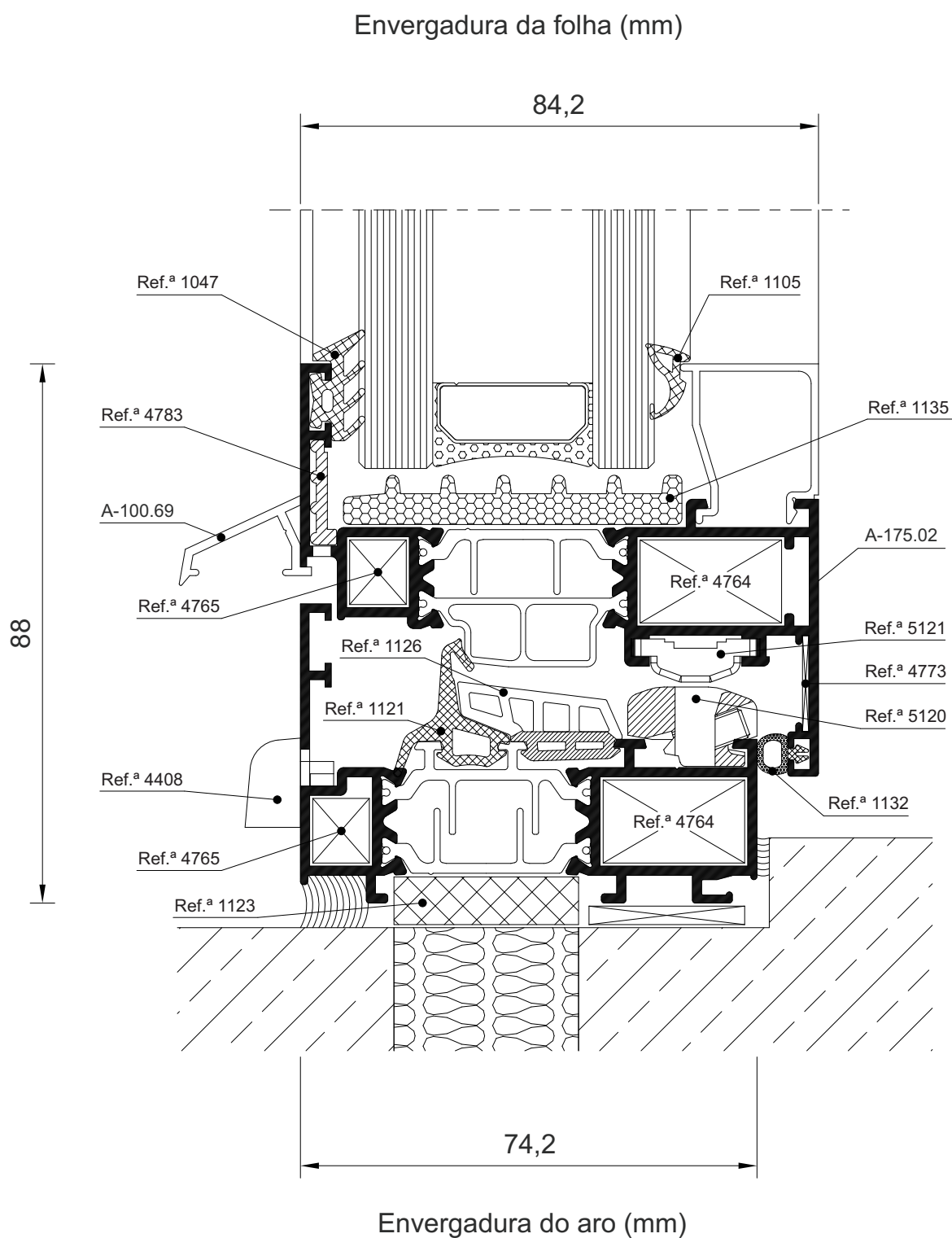
Posicionamento dos calços



-  CALÇOS DE APOIO
-  CALÇOS PERIFÉRICOS NORMAIS
-  CALÇOS PERIFÉRICOS SEGURANÇA



SOLUÇÃO BASE





Referência	Secção	Descrição	Stock
A-175.02		Aro Móvel Peq. Recto	•
A-175.03		Postiço Central	•
A-175.05		«T» Pequeno	•
A-175.06		Perfil de Condensação	
A-175.11		Aro Fixo	•
A-175.12		Aro Móvel Grande Recto	•
A-175.15		«T» Grande	•
A-175.21		Aro Fixo Grande	•
A-175.22		Aro Móvel Peq. Redondo	
A-175.25		«T» Grande Reforçado	
A-175.33		Aro Móvel Abertura Exterior Recto	
A-175.35		«T» Grande P/Aro Móvel Redondo	
A-175.36		Inversor P/Pivotante	
A-175.37		Aro Fixo P/Projectante	•
A-175.38		Inversor Sentido de Abertura	
A-175.39		Aro Fixo P/Pivotante	
A-175.42		Aro Móvel Grande Redondo	
A-175.43		Aro Móvel Porjectante	
A-175.44		Aro Móvel Pivotante	
A-175.45		Aro Fixo Decorativo	
A-175.51		Aro Fixo com Aba Interior	•
A-175.55		«T» Grande P/Aro Móvel Recto	•
A-175.98		Soleira de Vedação	•

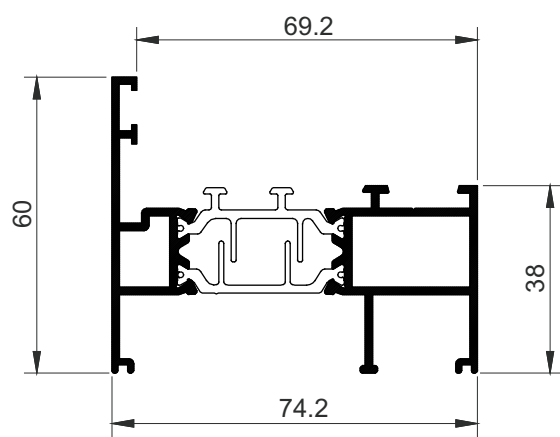
EXTRUSAL A.175

SISTEMA DE BATENTE
SÉRIE CORTE TÉRMICO

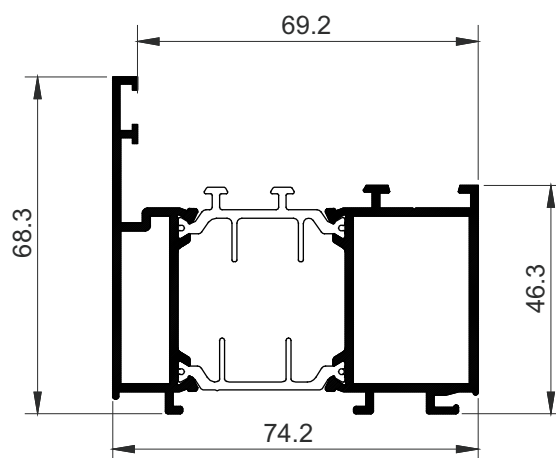


ALUGARBE

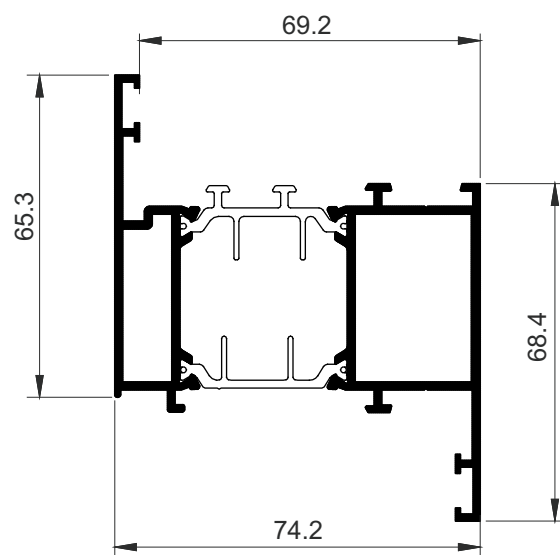
COMÉRCIO DE ALUMÍNIO, LDA.



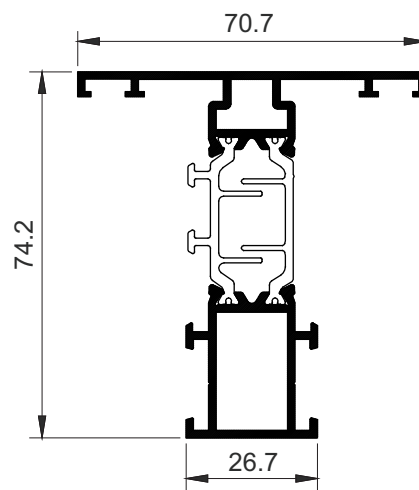
A-175.11



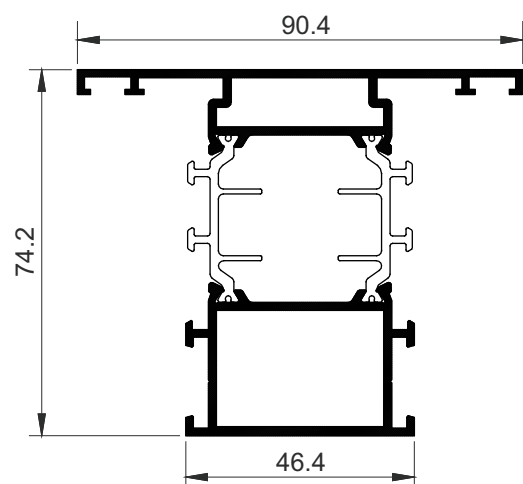
A-175.21



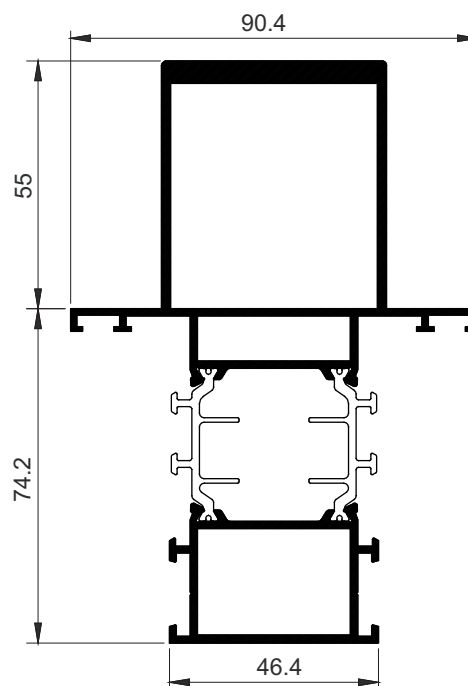
A-175.51



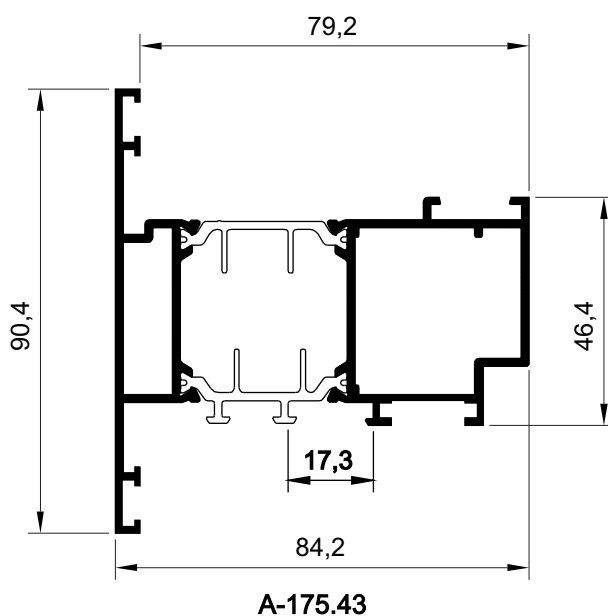
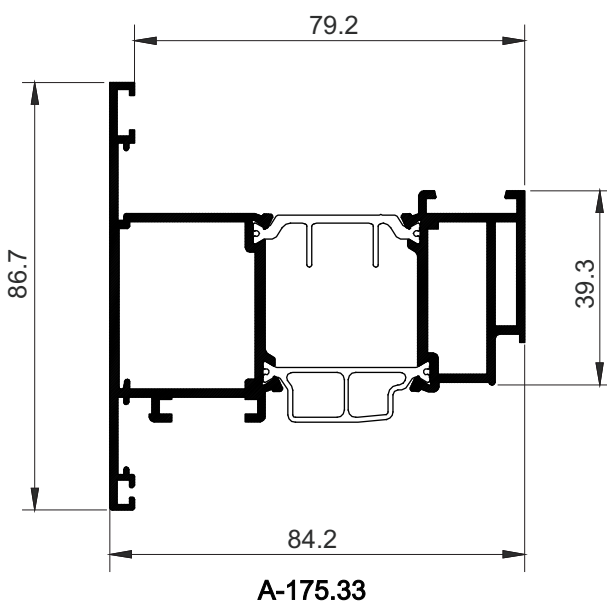
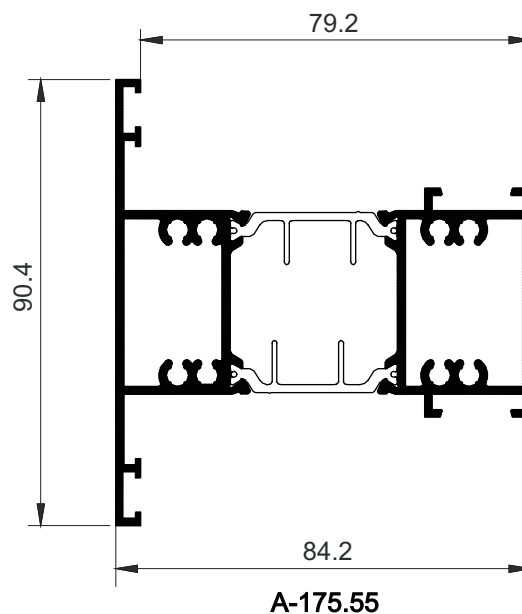
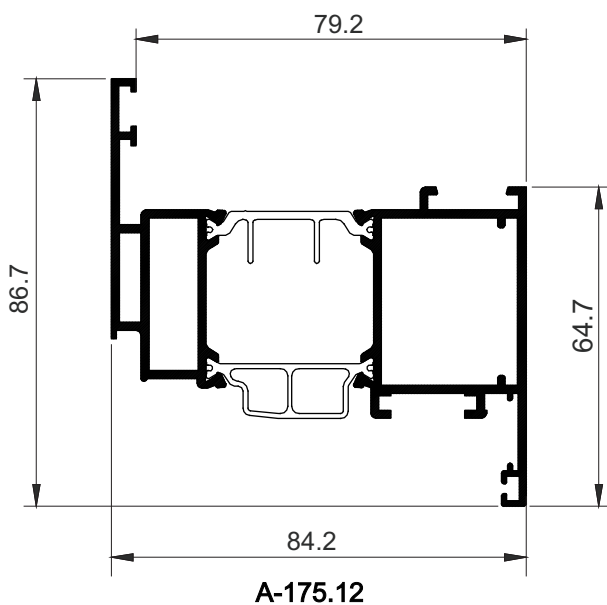
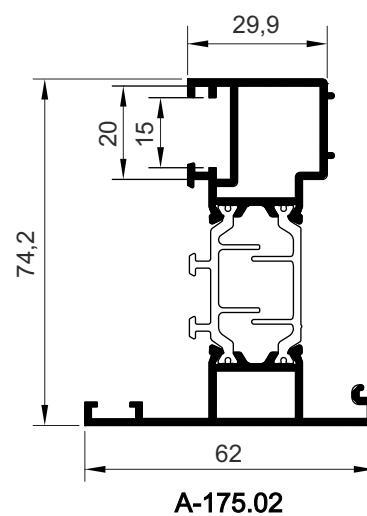
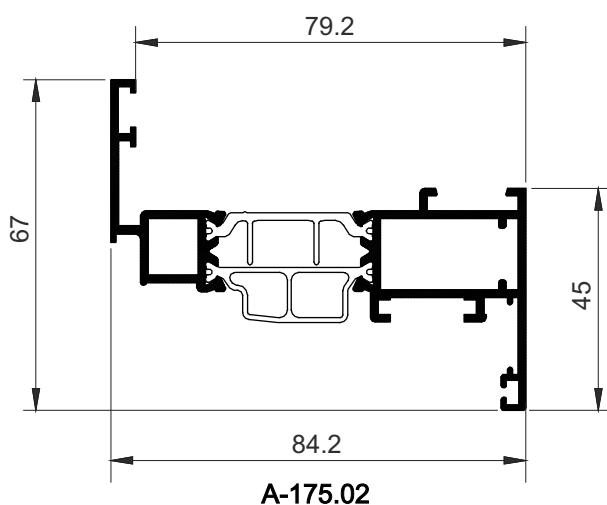
A-175.05



A-175.15



A-175.25



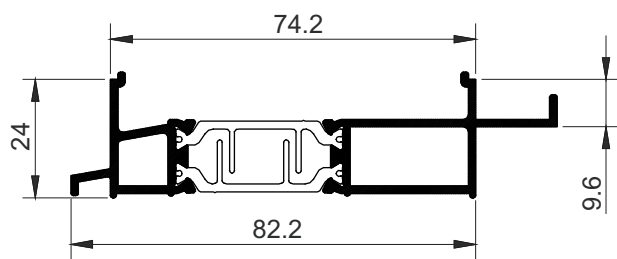
EXTRUSAL A.175

SISTEMA DE BATENTE
SÉRIE CORTE TÉRMICO

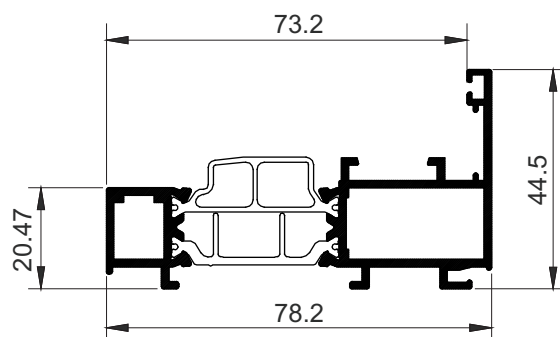


ALUGARBE

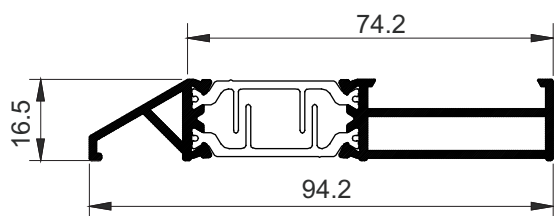
COMÉRCIO DE ALUMÍNIO, LDA.



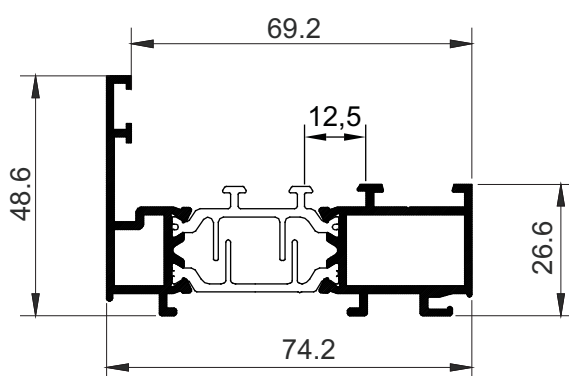
A-175.06



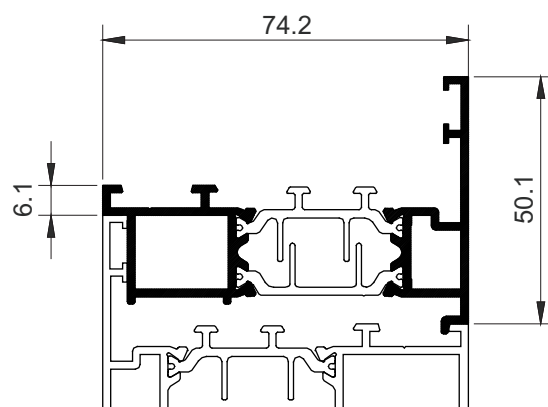
A-175.37



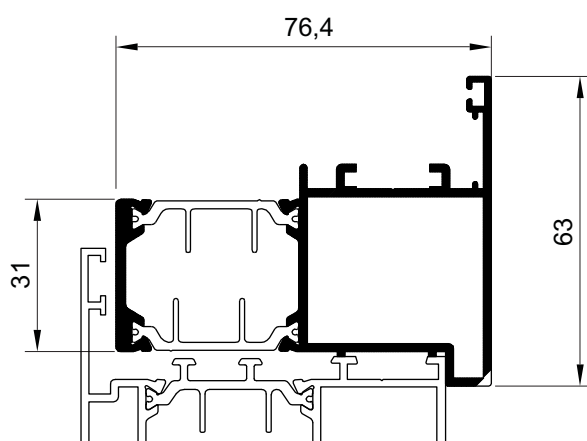
A-175.98



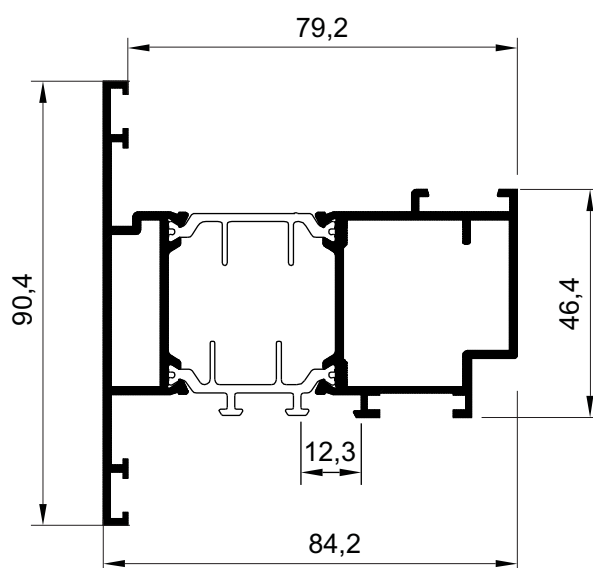
A-175.39



A-175.38



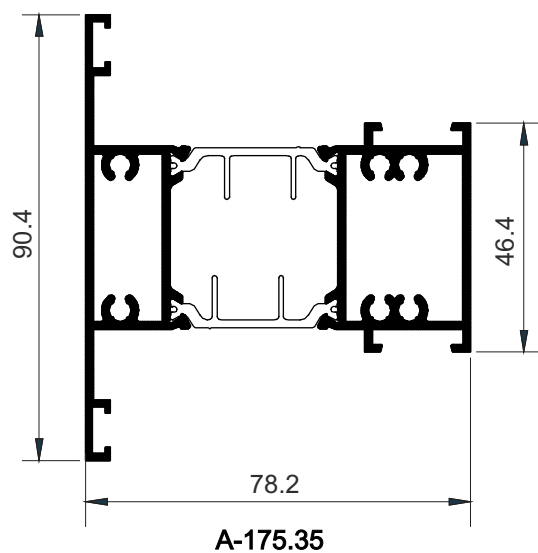
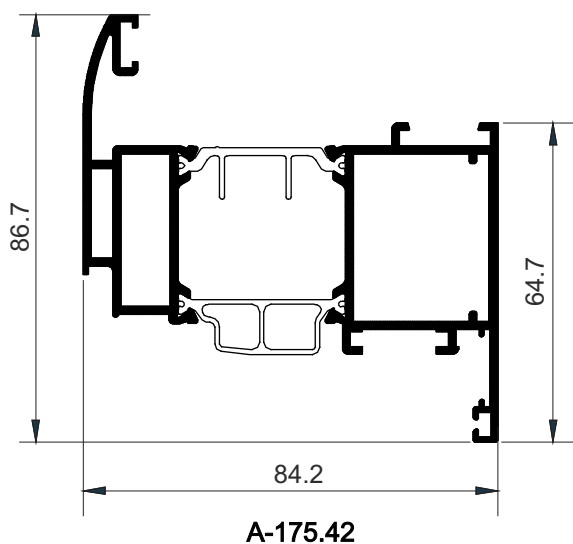
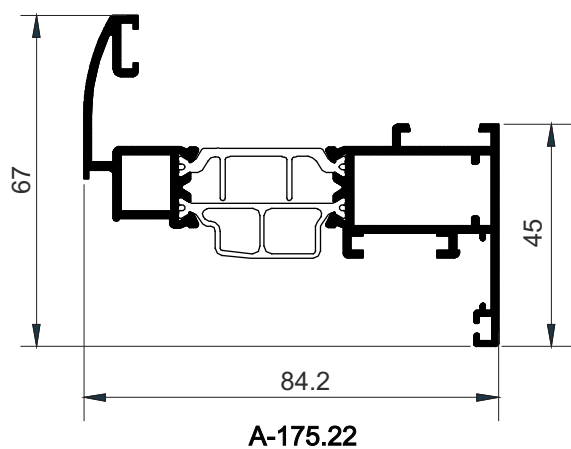
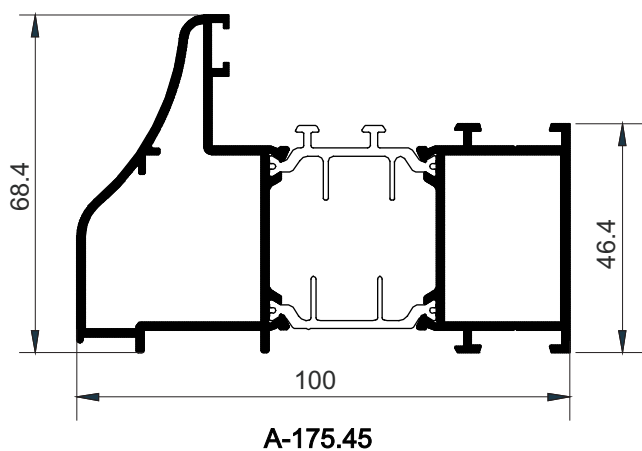
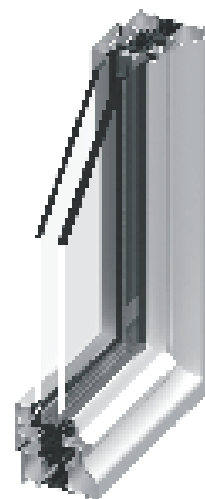
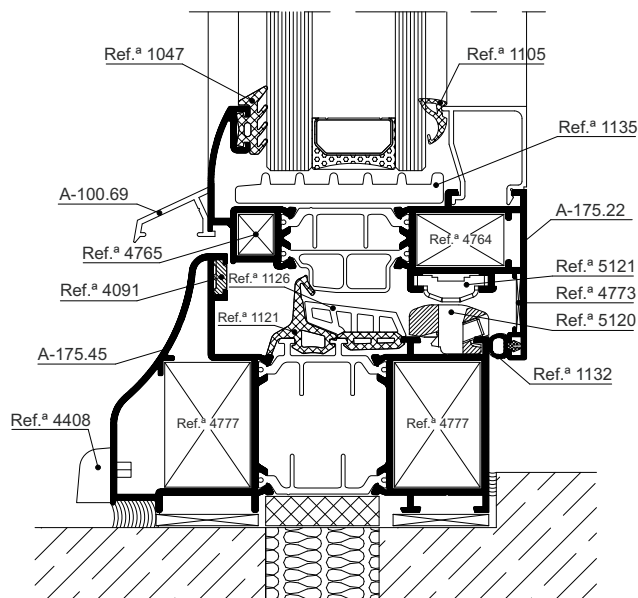
A-175.36



A-175.44

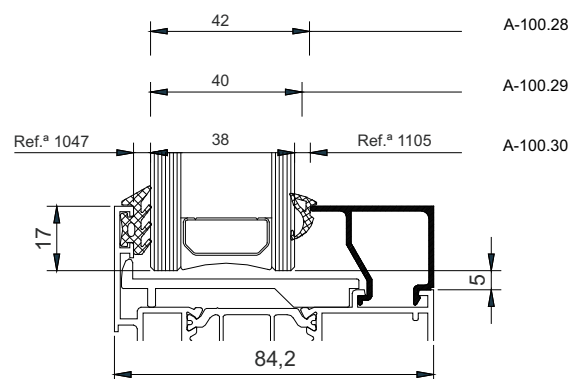
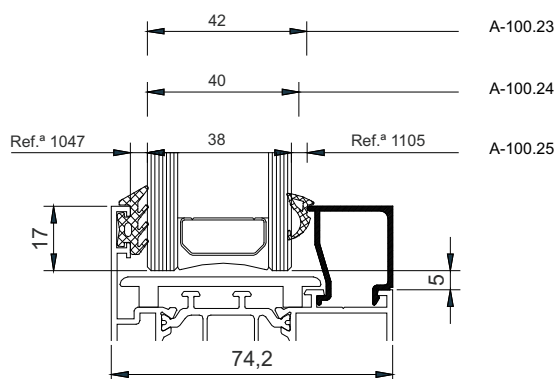


PERFIS CURVOS

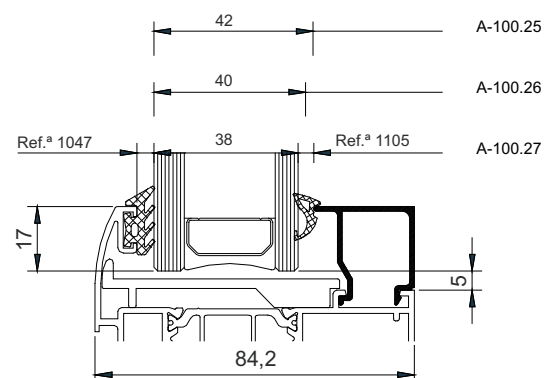
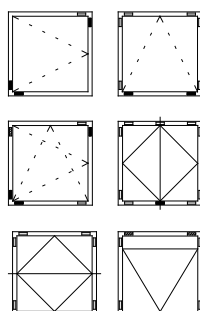
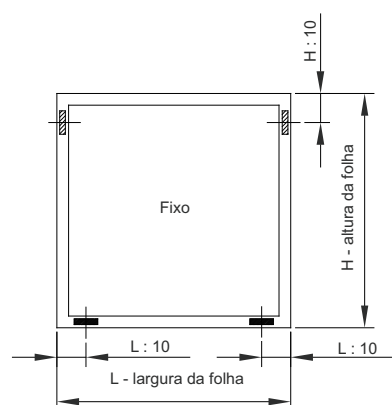




ENVIDRAÇAMENTO



Posicionamento dos calços



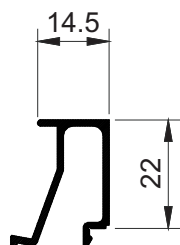
CALÇOS DE APOIO

CALÇOS PERIFÉRICOS NORMAIS

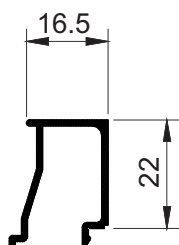
CALÇOS PERIFÉRICOS SEGURANÇA



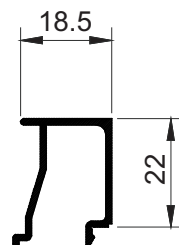
BITES



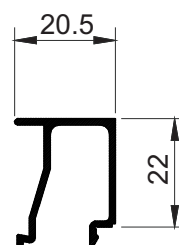
A-100.21



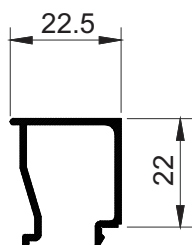
A-100.22



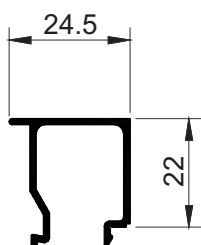
A-100.23



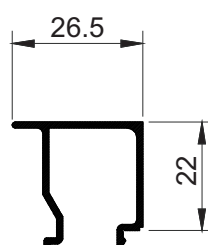
A-100.24



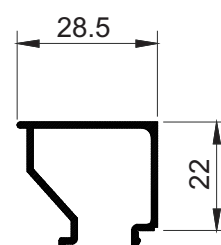
A-100.25



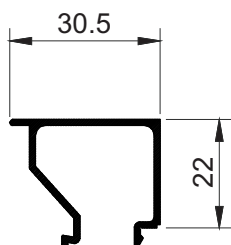
A-100.26



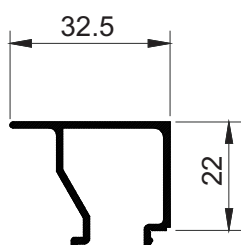
A-100.27



A-100.28



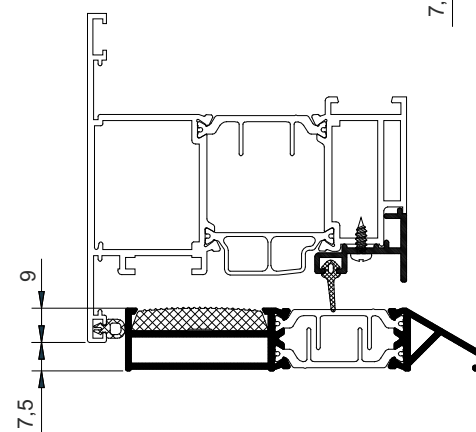
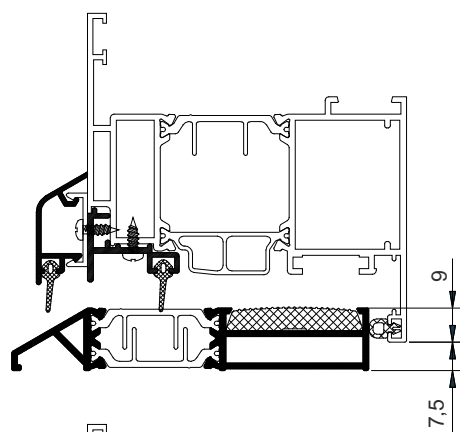
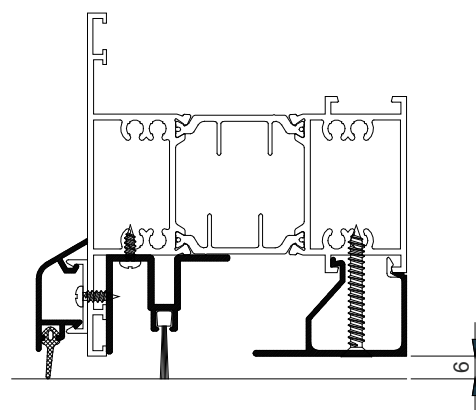
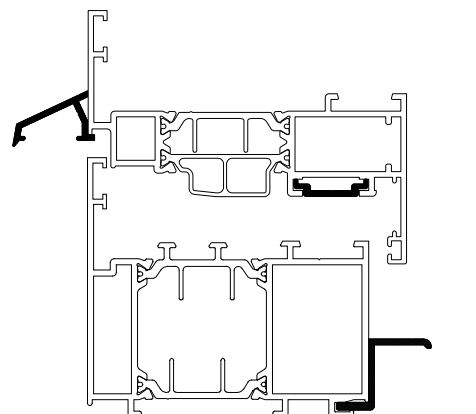
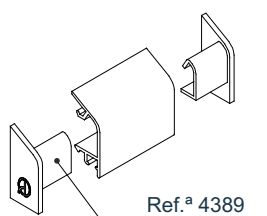
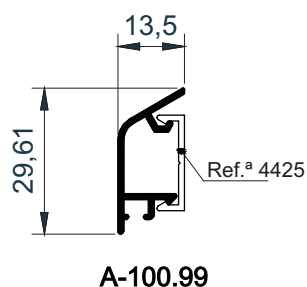
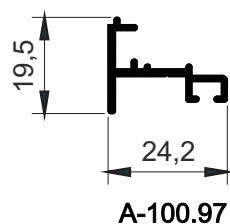
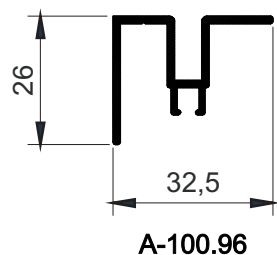
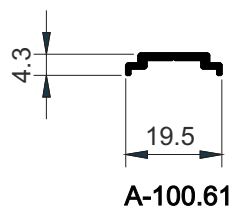
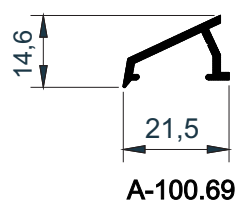
A-100.29



A-100.30

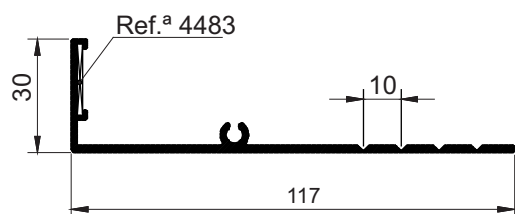


PERFIS DIVERSOS

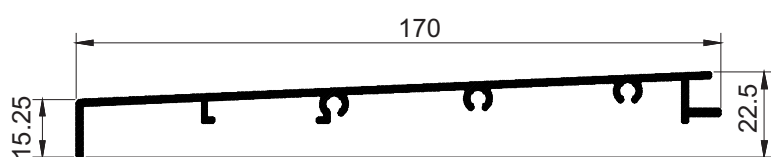
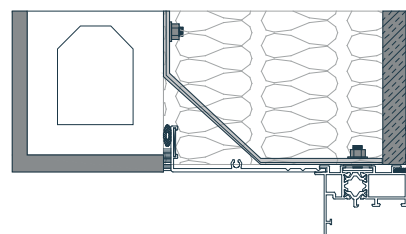




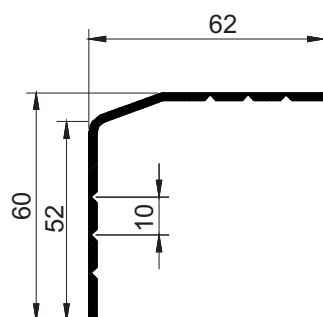
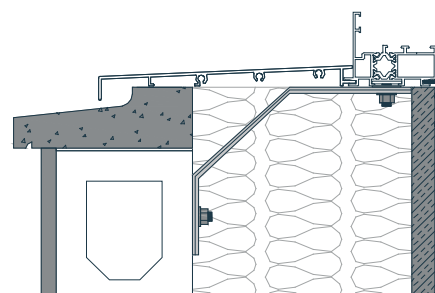
PERFIS DE REMATE



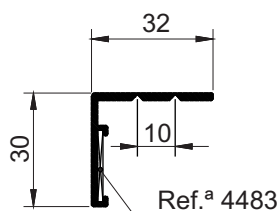
A-100.81



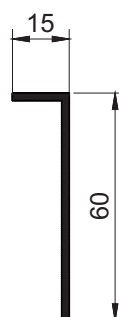
A-100.82



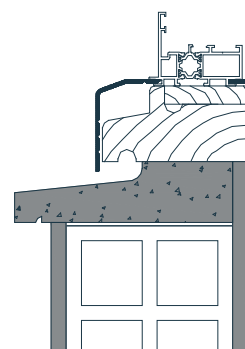
A-100.83



A-100.84

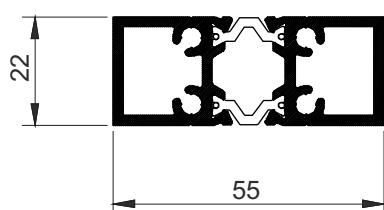


A-100.85

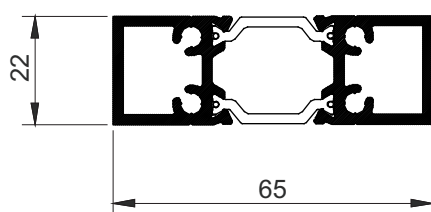




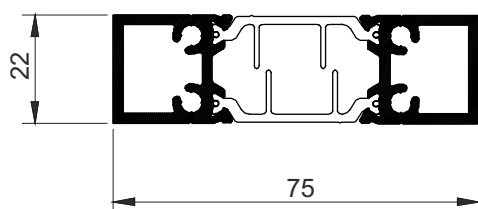
PERFIS DE LIGAÇÃO



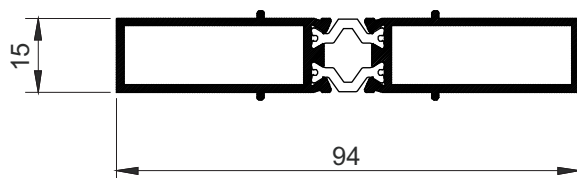
A-155.50



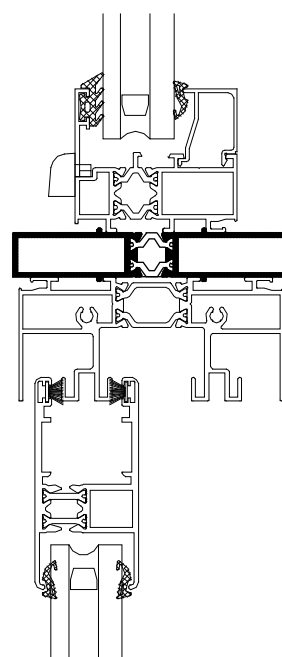
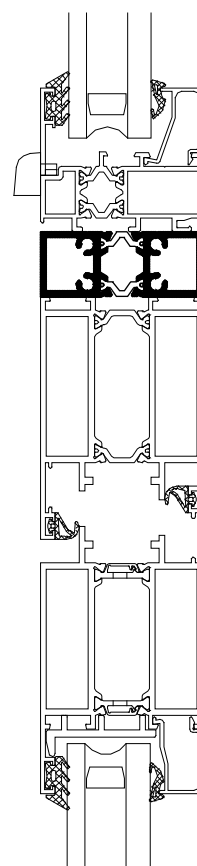
A-165.50



A-175.50

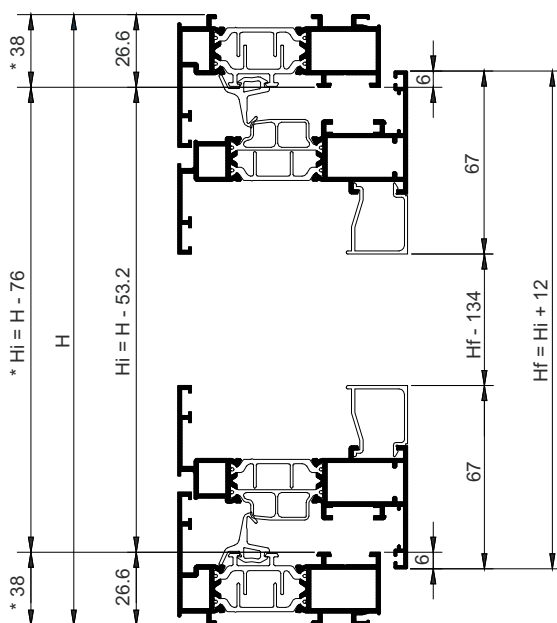
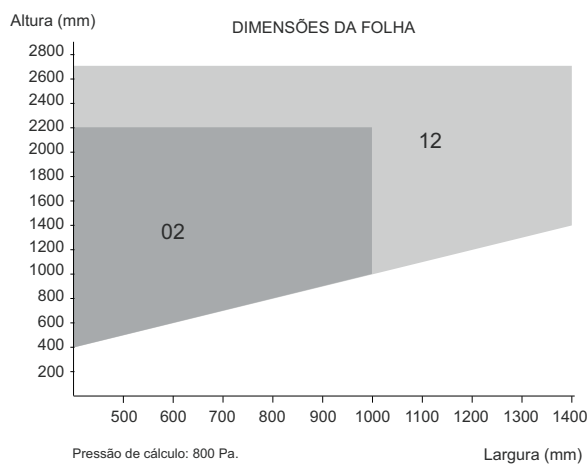
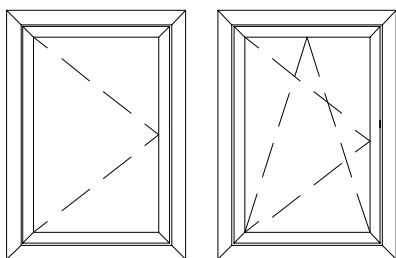


A-100.80

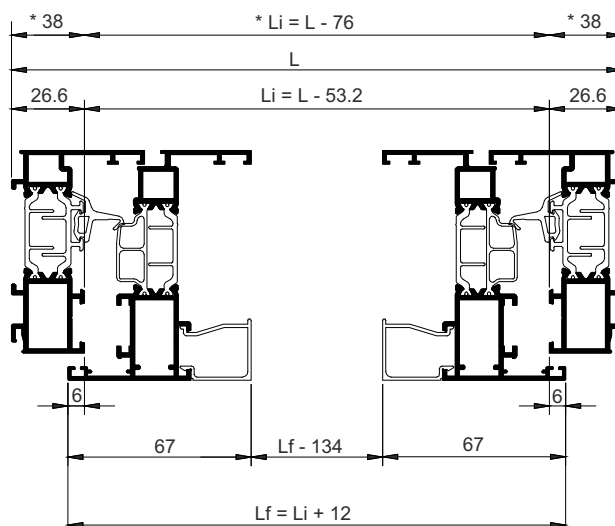




TIPOLOGIAS CONSTRUTIVAS JANELA DE UMA FOLHA

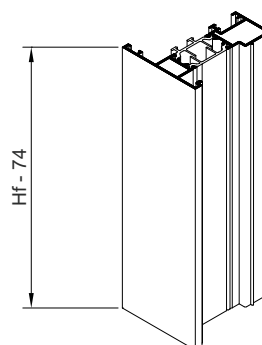
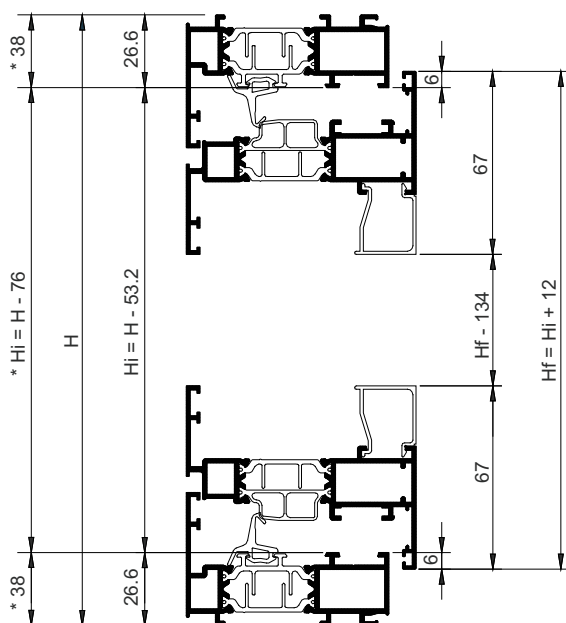
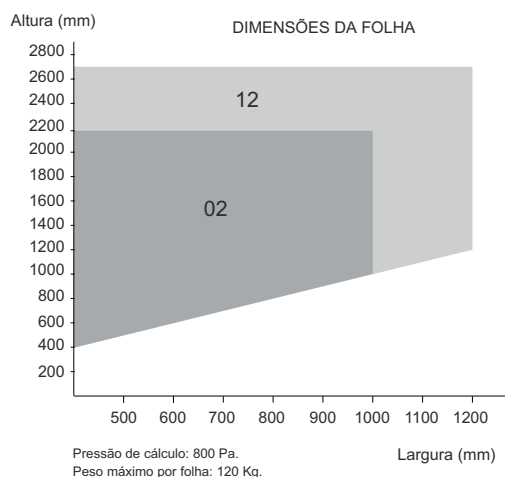
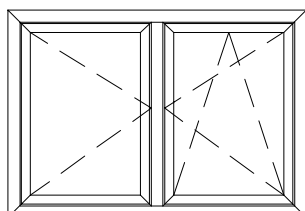


LEGENDA:
L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro
H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro
NOTA:
Medidas em milímetros (mm).
As medidas de corte são fornecidas a título indicativo.
Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.
* Cotas para A-15511, A-16511 e A-17511





TIPOLOGIAS CONSTRUTIVAS JANELA DE DUAS FOLHAS



LEGENDA:

L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro
H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro

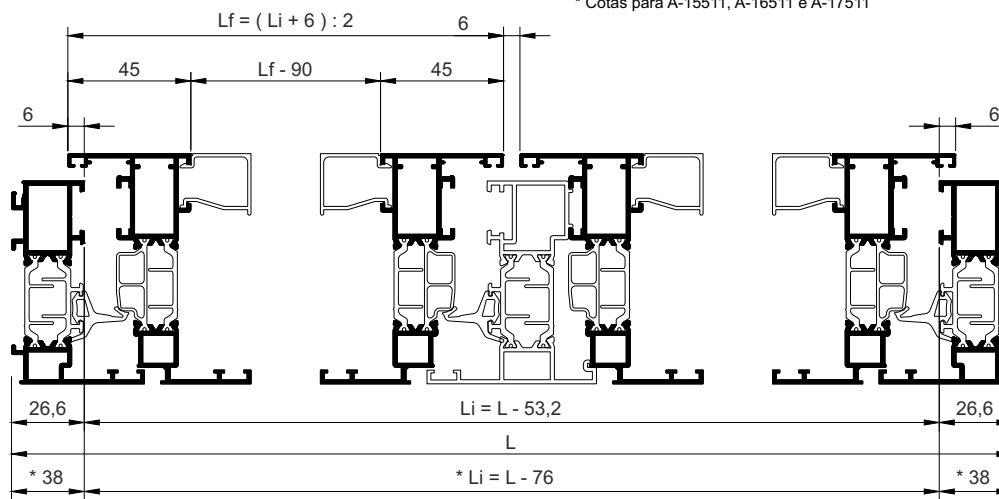
NOTA:

Medidas em milímetros (mm).

As medidas de corte são fornecidas a título indicativo.

Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.

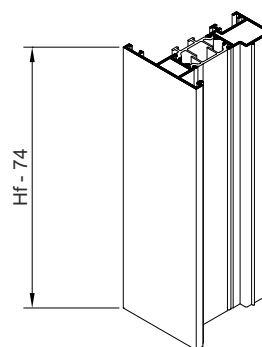
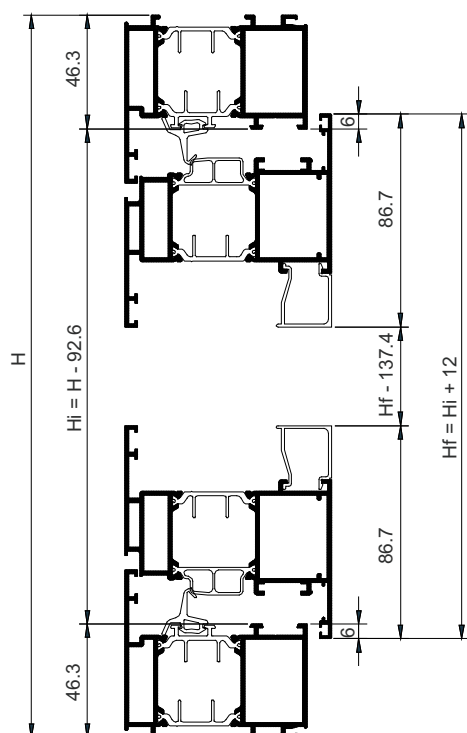
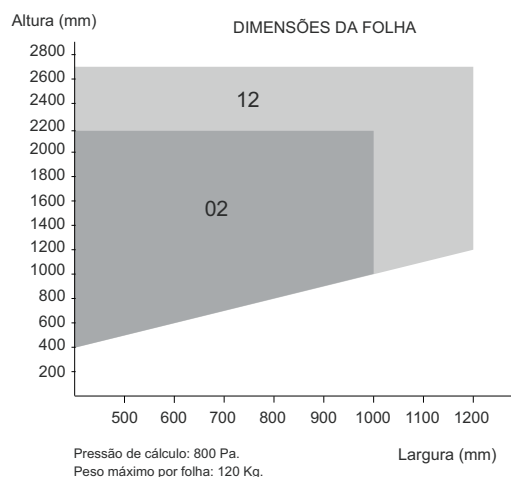
* Cotas para A-15511, A-16511 e A-17511





SISTEMA DE BATENTE SÉRIE CORTE TÉRMICO

A square frame with a central vertical column and two diagonal dashed lines forming an 'X' shape.

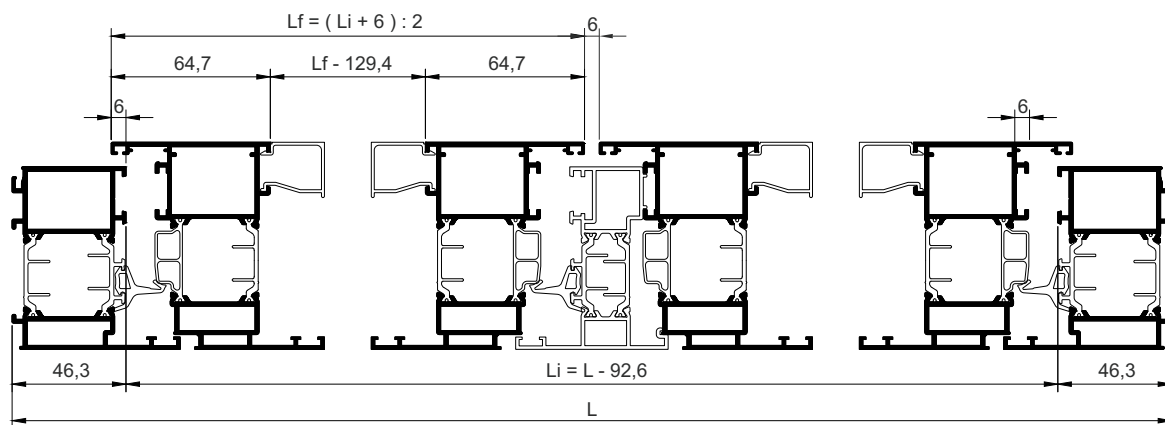


L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro
H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro

Medidas em milímetros (mm).

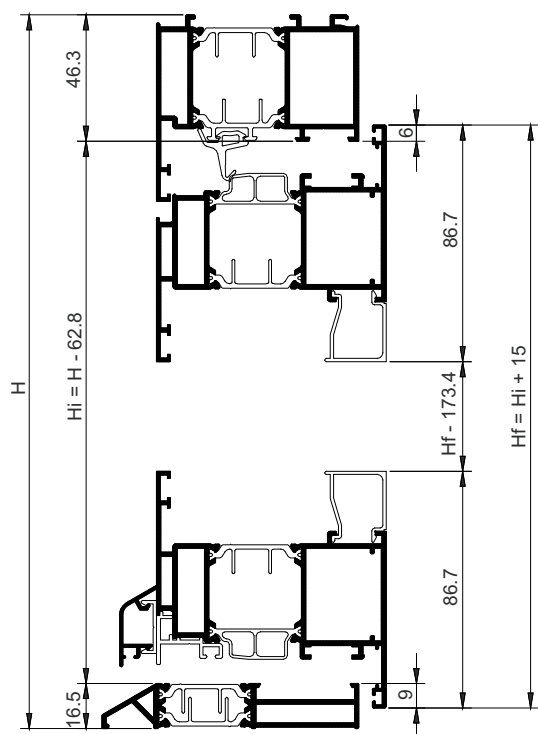
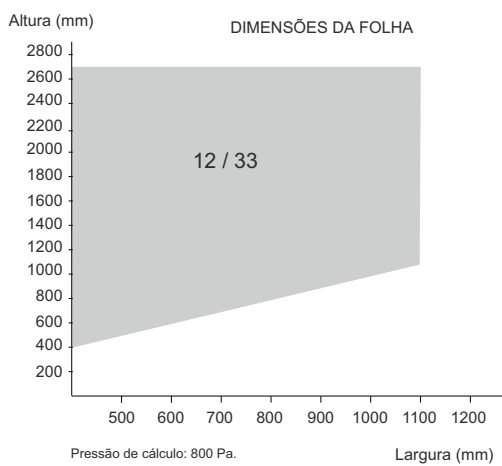
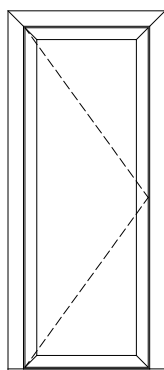
As medidas de corte são fornecidas a título indicativo.

Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.





TIPOLOGIAS CONSTRUTIVAS PORTA DE UMA FOLHA



LEGENDA:

L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro

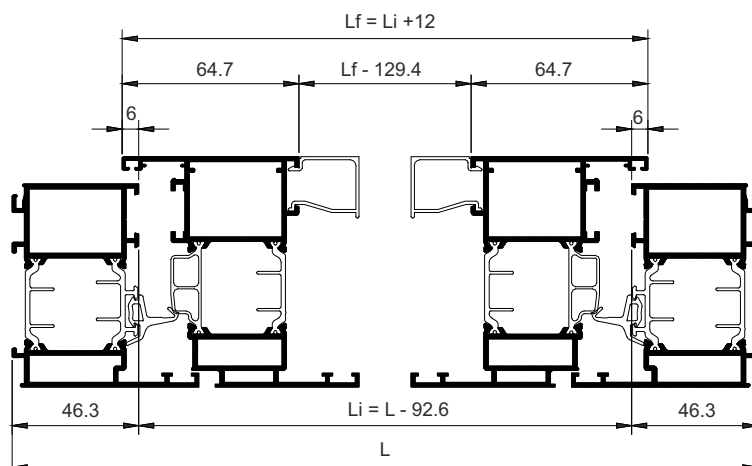
H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro

NOTA:

Medidas em milímetros (mm).

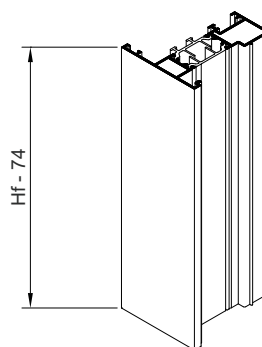
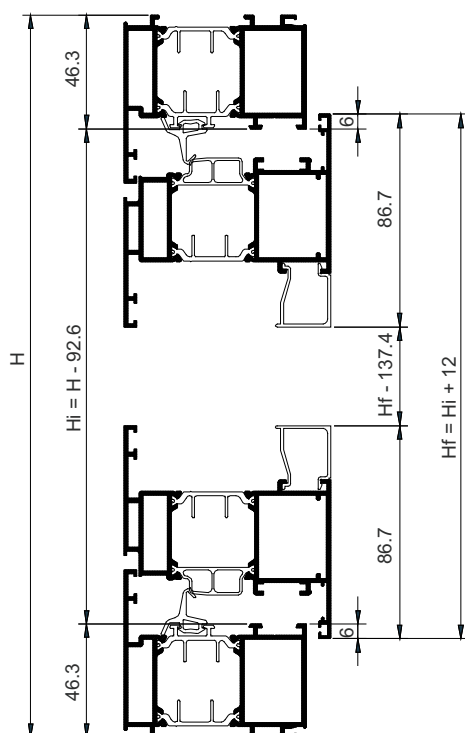
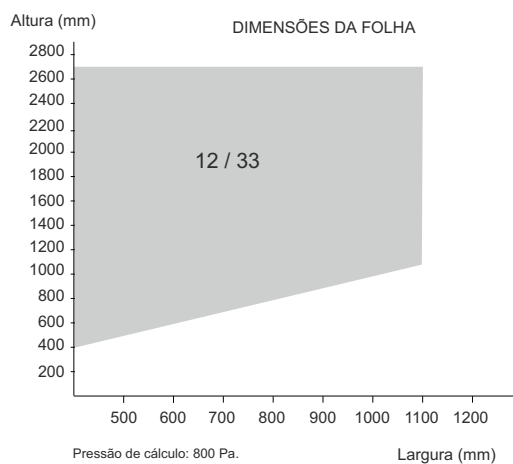
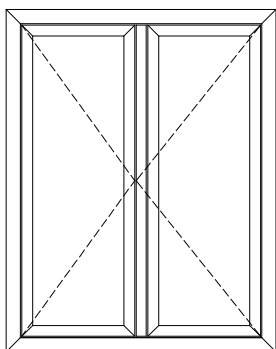
As medidas de corte são fornecidas a título indicativo.

Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.

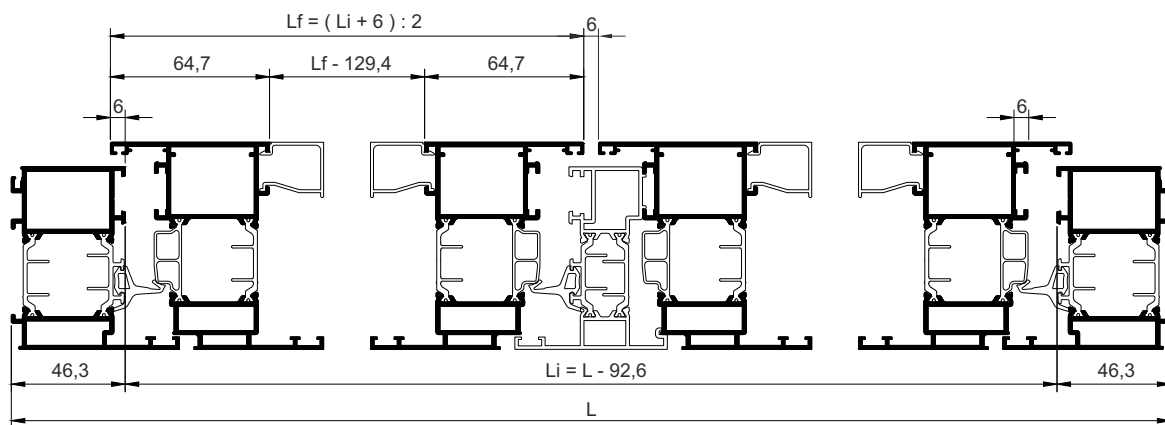




TIPOLOGIAS CONSTRUTIVAS PORTA DE DUAS FOLHAS

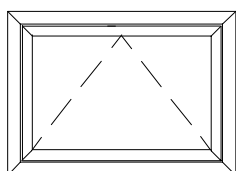


LEGENDA:
L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro
H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro
NOTA:
Medidas em milímetros (mm).
As medidas de corte são fornecidas a título indicativo.
Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.

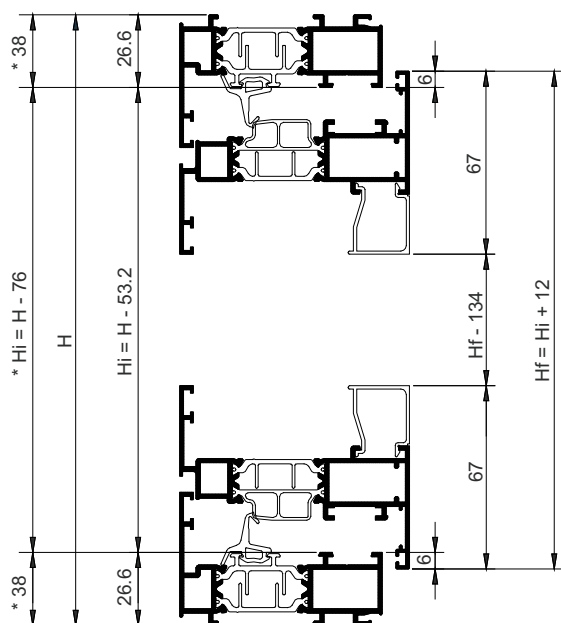
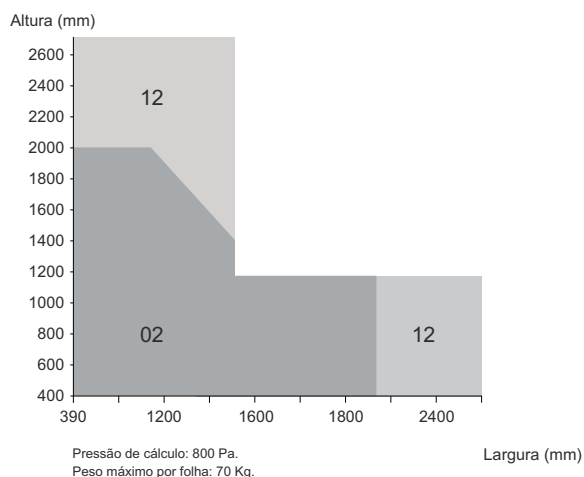




TIPOLOGIAS CONSTRUTIVAS JANELA BASCULANTE



DIMENSÕES DA FOLHA



LEGENDA:

L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro

H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro

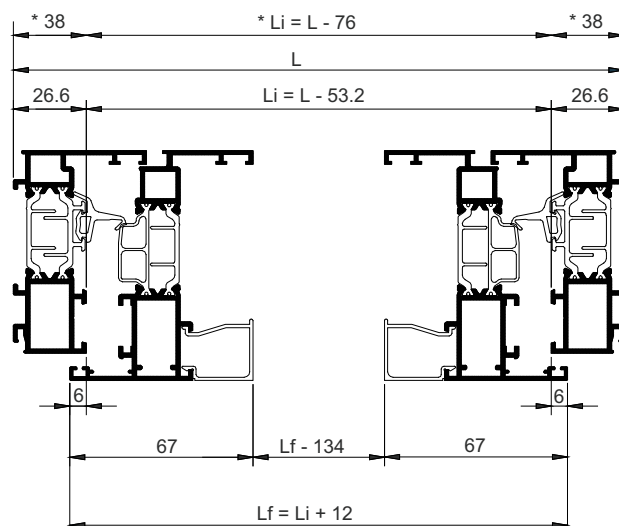
NOTA:

Medidas em milímetros (mm).

As medidas de corte são fornecidas a título indicativo.

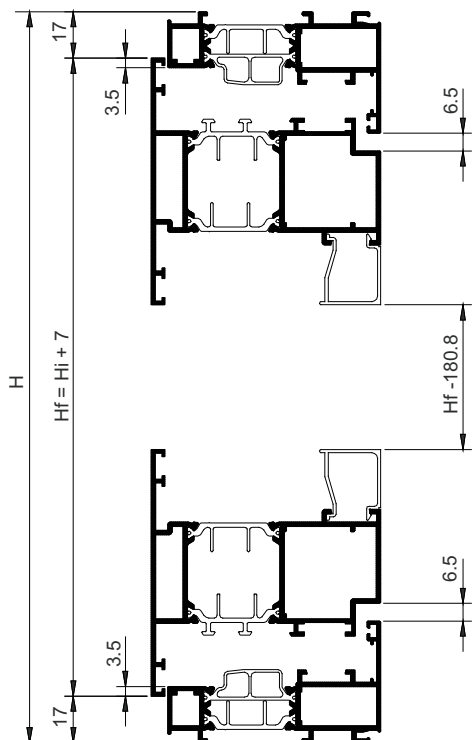
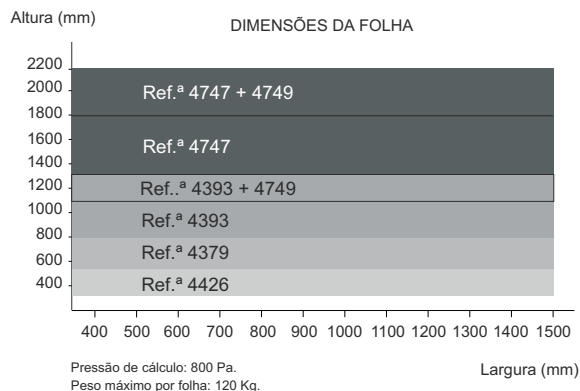
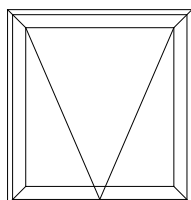
Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.

* Cotas para A-15511, A-16511 e A-17511





TIPOLOGIAS CONSTRUTIVAS JANELA PROJECTANTE



LEGENDA:

L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro

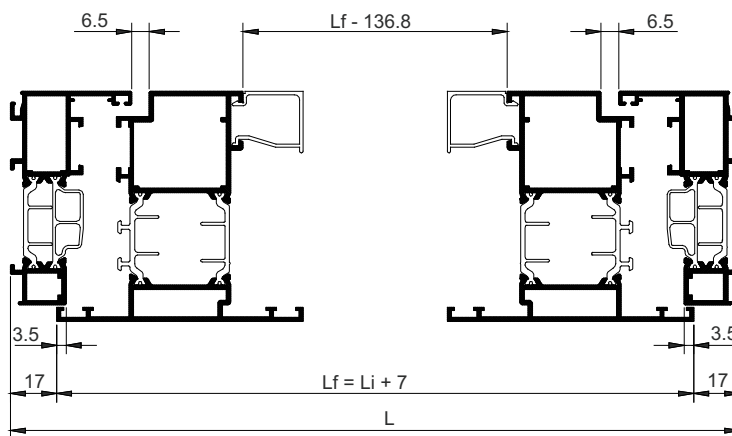
H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro

NOTA:

Medidas em milímetros (mm).

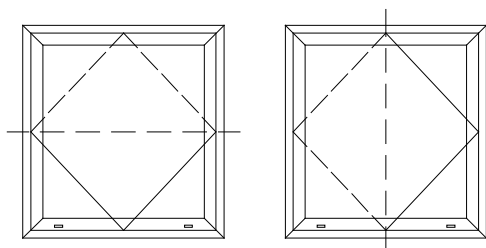
As medidas de corte são fornecidas a título indicativo.

Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.





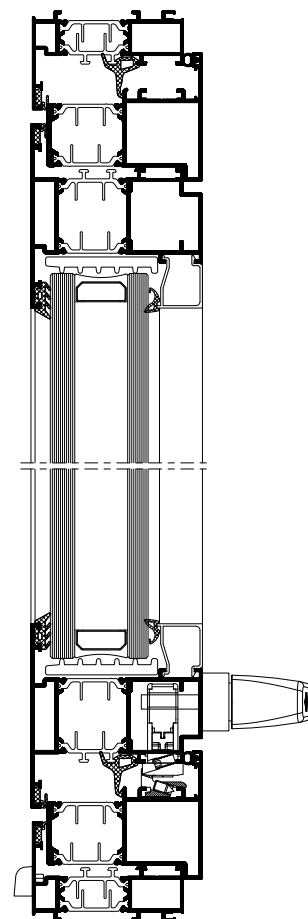
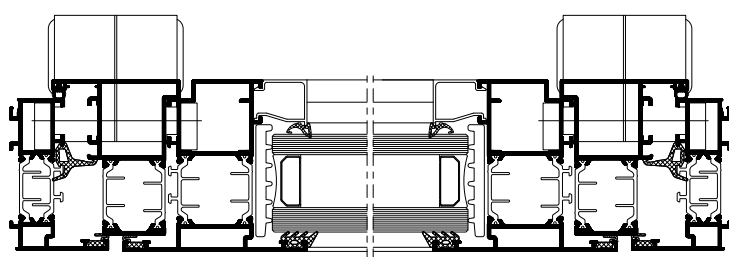
TIPOLOGIAS CONSTRUTIVAS JANELA PIVOTANTE



Largura máxima: 1500 mm

Altura máxima: 1800 mm

Peso máximo: 100 Kg



LEGENDA:

L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro
H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro

NOTA:

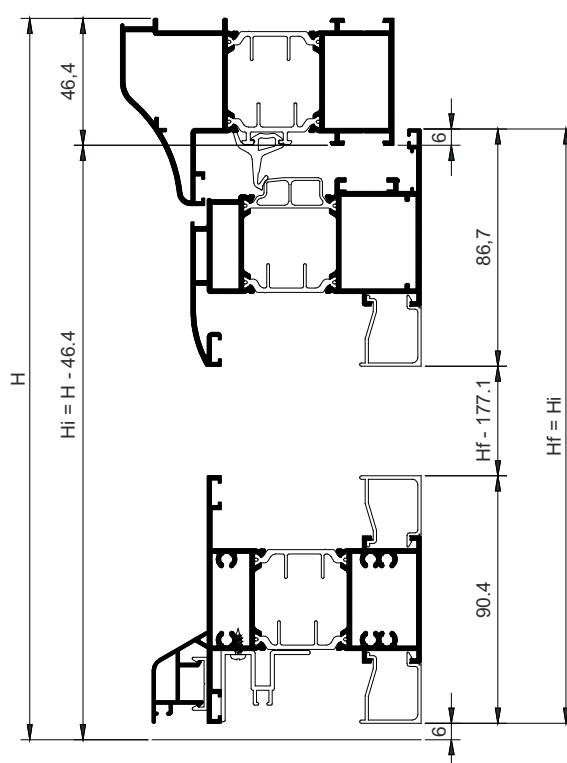
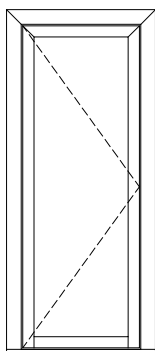
Medidas em milímetros (mm).

As medidas de corte são fornecidas a título indicativo.

Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.



TIPOLOGIAS CONSTRUTIVAS PORTA COM TRAVESSA INFERIOR



LEGENDA:

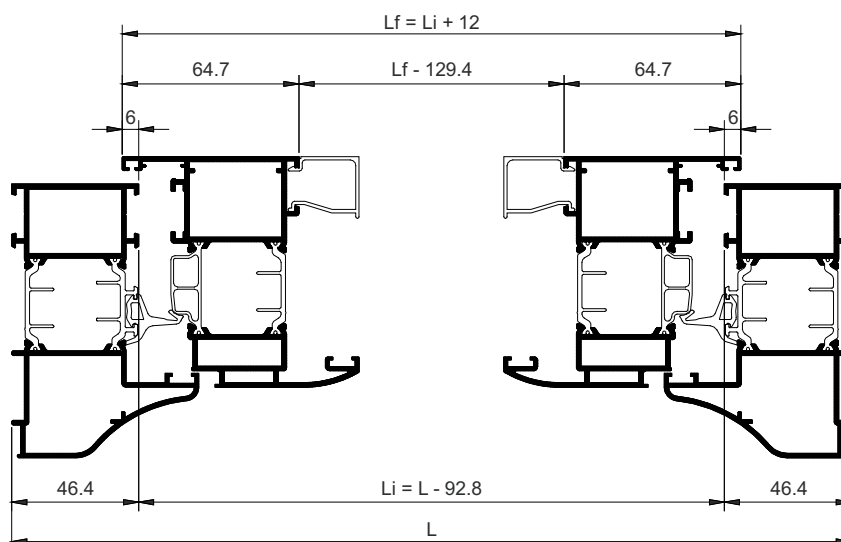
L: Largura do caixilho | Lf: Largura da folha | Li: Largura interior do aro
H: Altura do caixilho | Hf: Altura da folha | Hi: Altura interior do aro

NOTA:

Medidas em milímetros (mm).

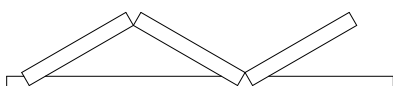
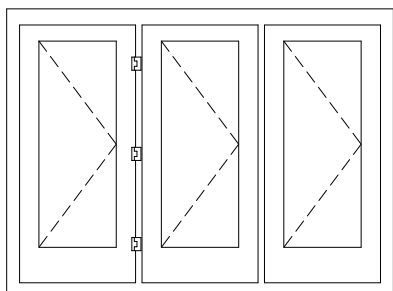
As medidas de corte são fornecidas a título indicativo.

Deverão ser sempre verificadas e comprovadas pelo fabricante dos caixilhos.





TIPOLOGIAS CONSTRUTIVAS PORTAS DE HARMÓNIO

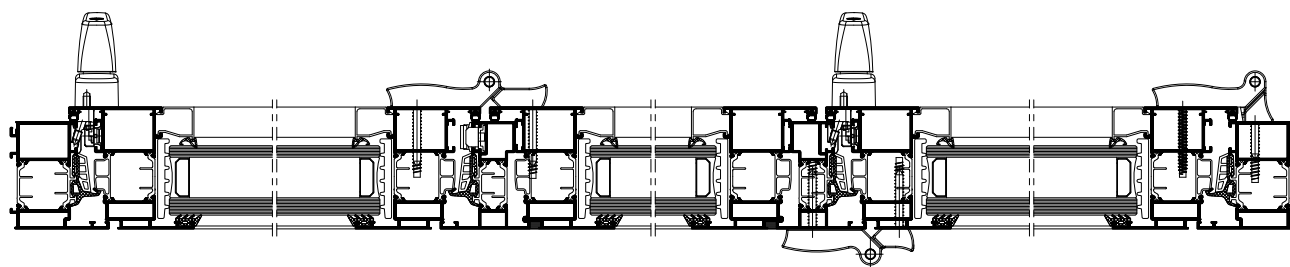
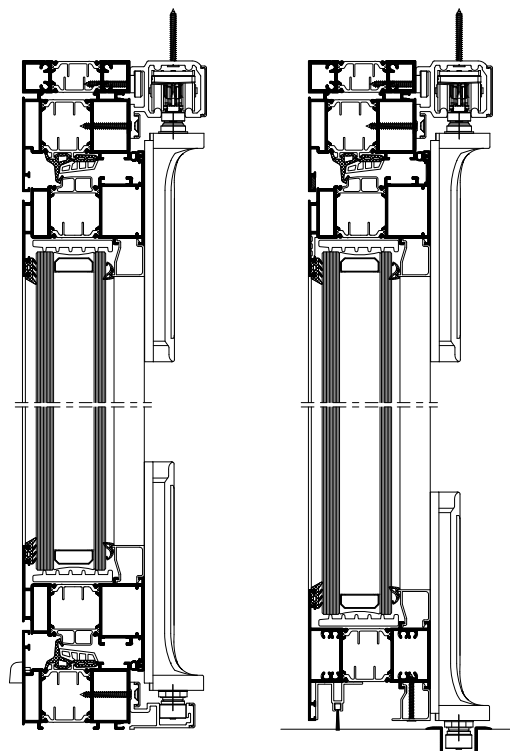


Folhas que abrem para lado esquerdo

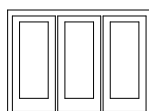
330

Numero total de folhas

Folhas que abrem para lado direito



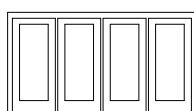
330 | 321



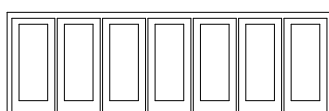
651 | 633



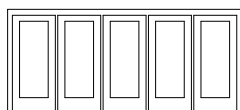
431



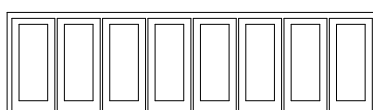
770 | 761 | 752 | 743



550 | 541 | 532



871

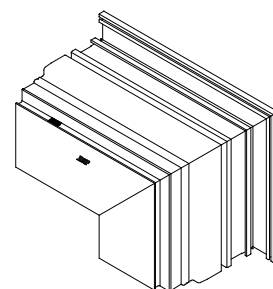
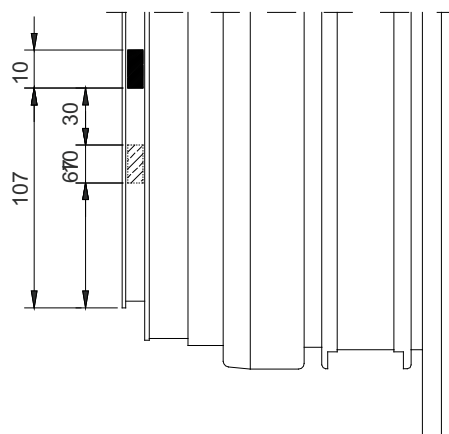
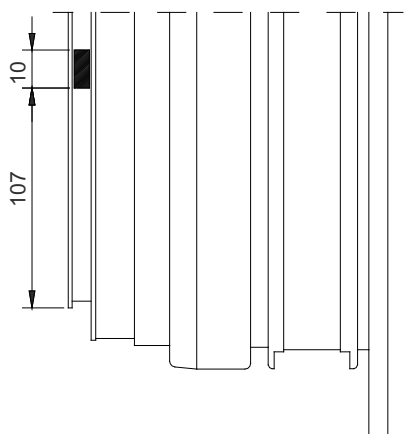
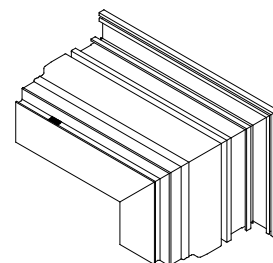
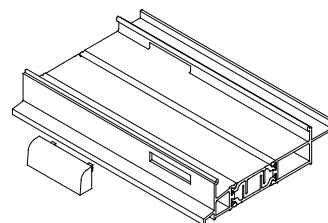
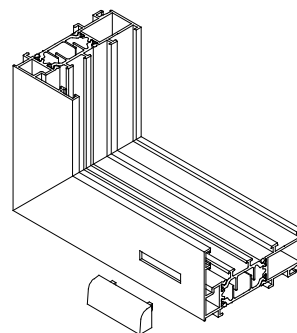
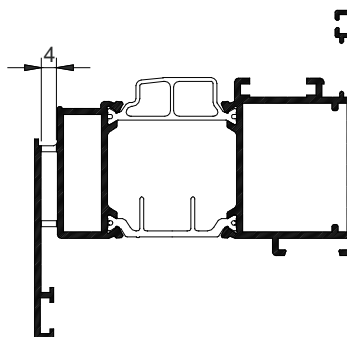
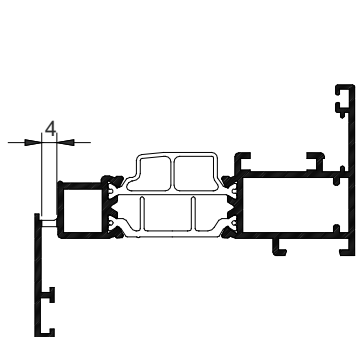
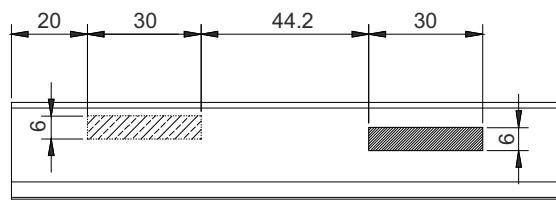
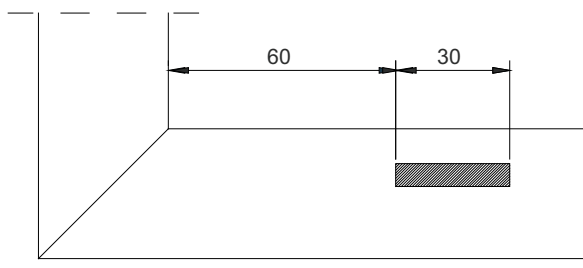


Largura folha prioritária: 480mm - 1230mm
(folha independente)
Largura folha prioritária: 480mm - 930mm
(folhas desdobráveis)
Altura das folhas: 630mm - 2830mm
Peso máximo da folha: 80Kg
Comprimento máximo das calhas 6m
Abertura para o interior

PARA MAIS INFORMAÇÕES CONSULTE
INFORMAÇÃO TÉCNICA RESPECTIVA



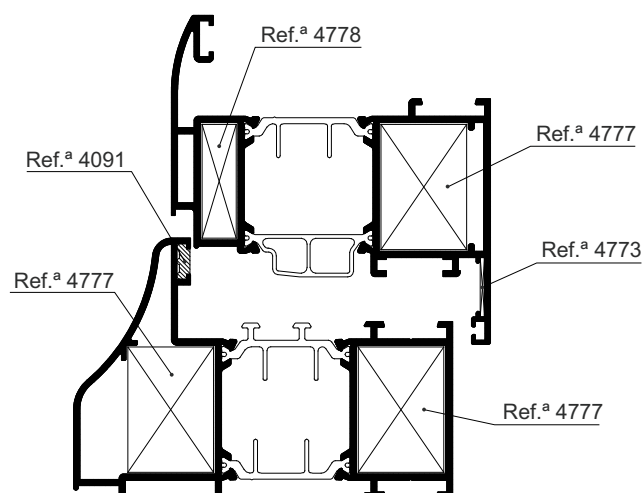
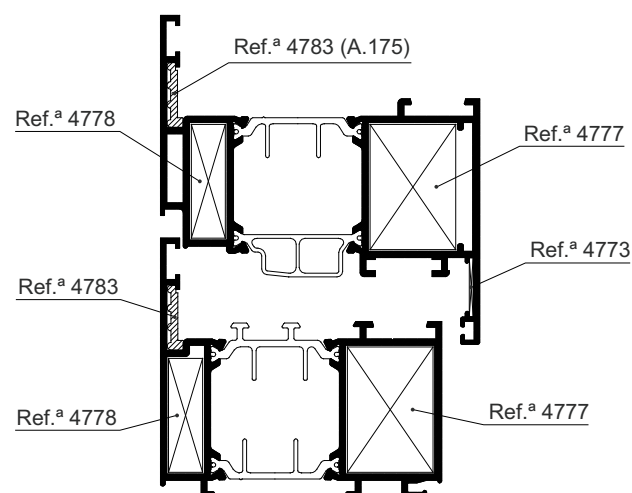
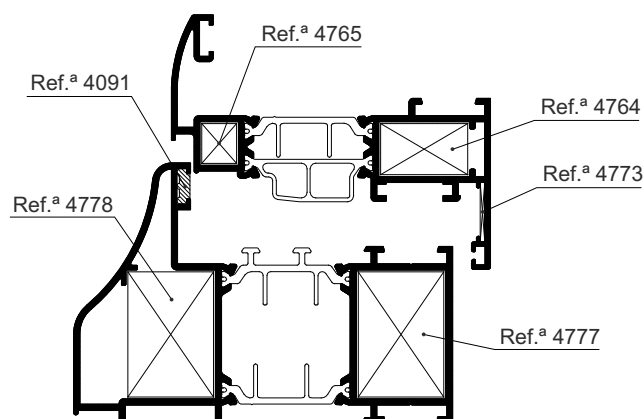
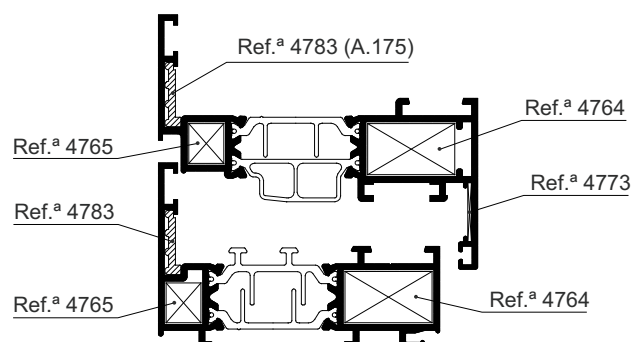
PLANOS DE DRENAGEM



NOTA:
Medidas em milímetros (mm).
Nas ligações entre perfis aplicar cola ou mástique adequado.



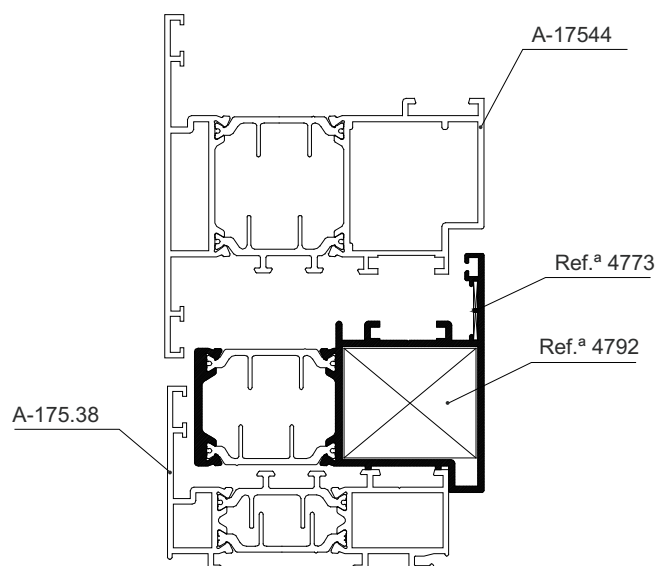
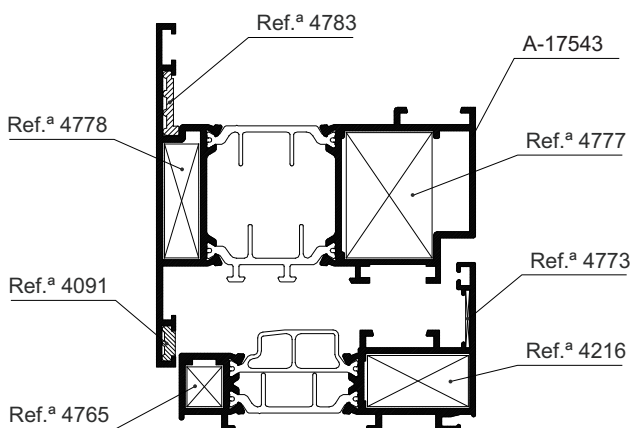
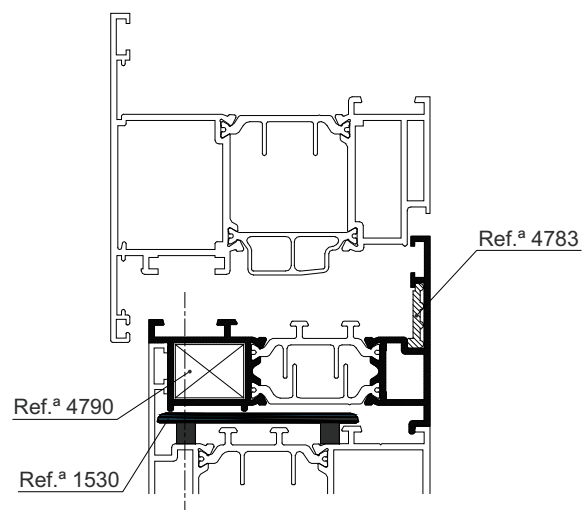
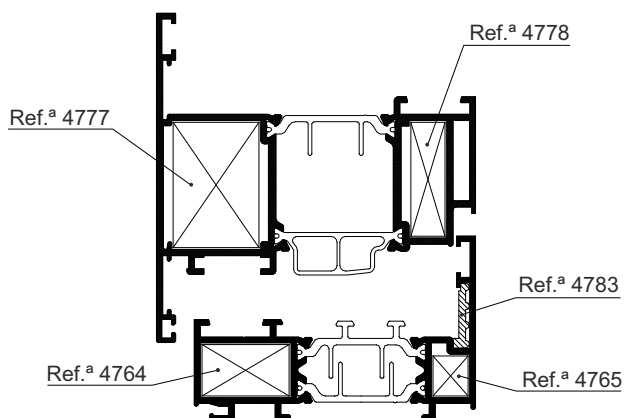
INSTRUÇÕES DE FABRICO



NOTA:
Nas ligações entre perfis aplicar cola ou mástique adequado.



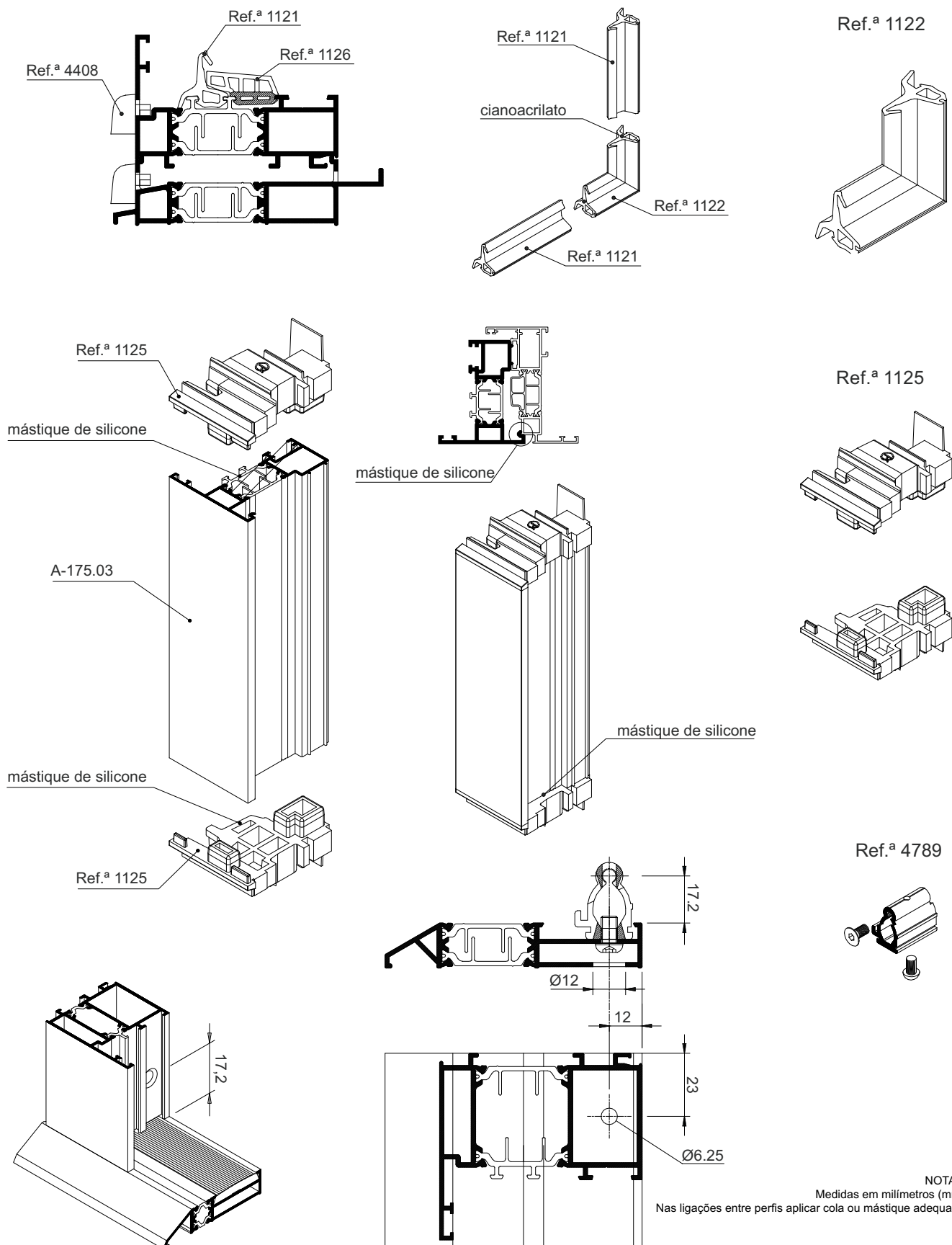
INSTRUÇÕES DE FABRICO



NOTA:
Nas ligações entre perfis aplicar cola ou mástique adequado.



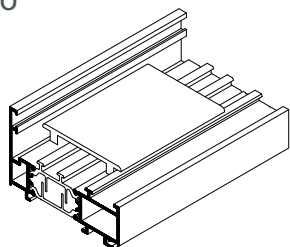
INSTRUÇÕES DE FABRICO



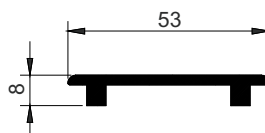


INSTRUÇÕES DE FABRICO

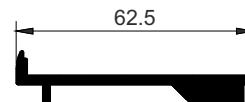
Aro



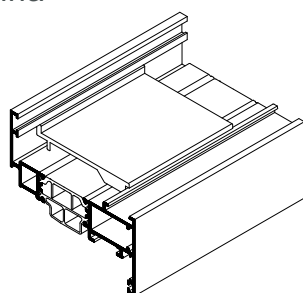
Ref.^a 1530



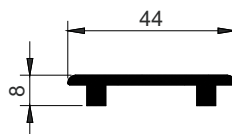
Ref.^a 1527



Folha



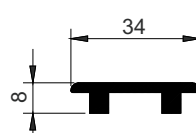
Ref.^a 1529



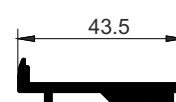
Ref.^a 1526



Ref.^a 1528

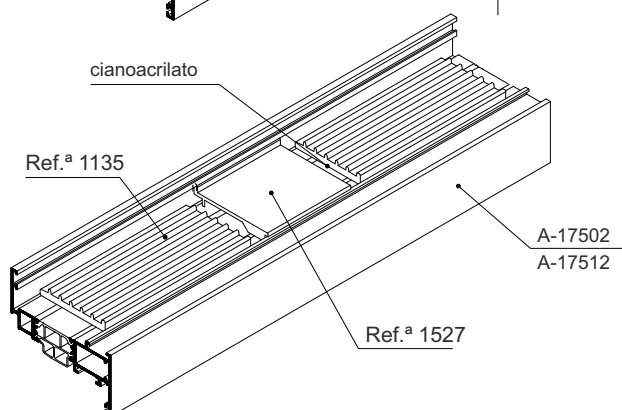


Ref.^a 1525

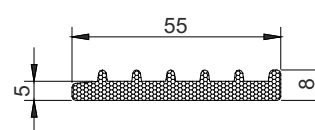


cianoacrilato

Ref.^a 1135



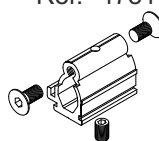
Ref.^a 1135



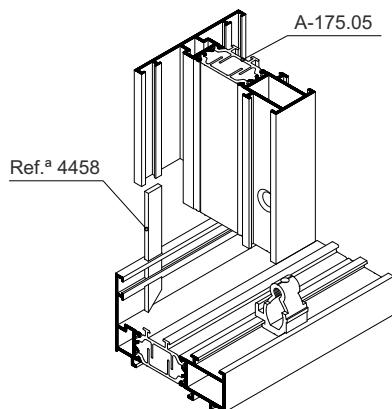
Ref.^a 4088



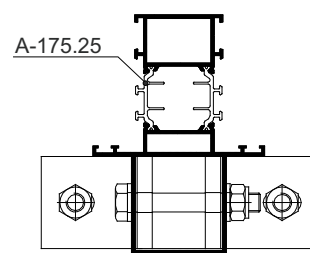
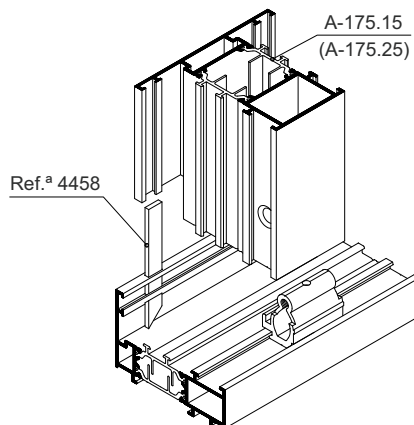
Ref.^a 4781



A-175.05



A-175.15
(A-175.25)

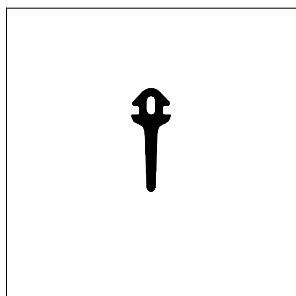


NOTA:
Medidas em milímetros (mm)
Nas ligações entre perfis aplicar cola ou mástique adequado.

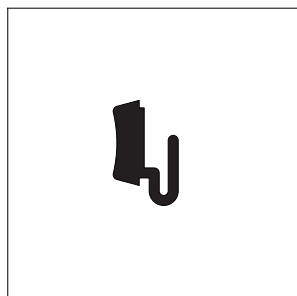


ACESSÓRIOS

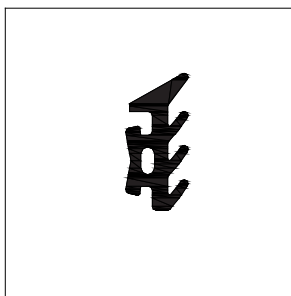
Ref.ª 1032
Vedante para pingadeira
EPDM



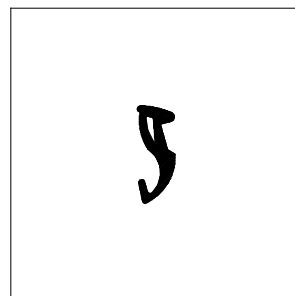
Ref.ª 1040
Vedante
EPDM



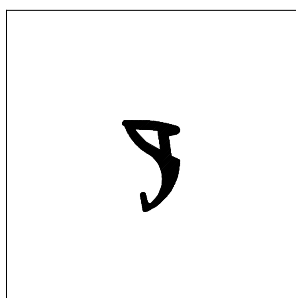
Ref.ª 1047
Vedante exterior para vidro
EPDM



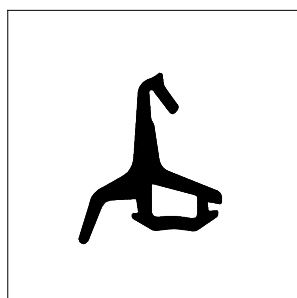
Ref.ª 1104
Vedante interior para vidro
EPDM



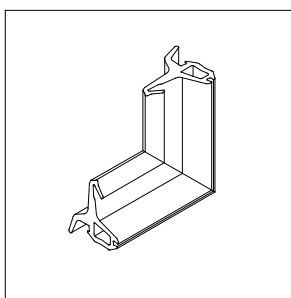
Ref.ª 1105
Vedante interior para vidro
EPDM



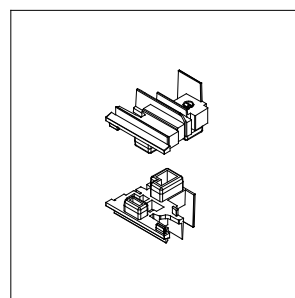
Ref.ª 1121
EPDM



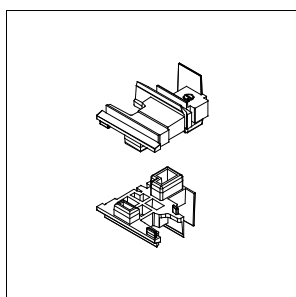
Ref.ª 1122
Canto vulcanizado
EPDM



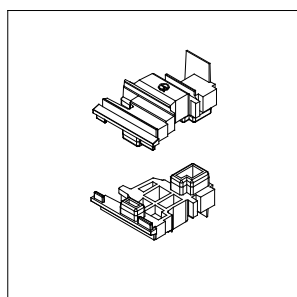
Ref.ª 1123
Conjunto topos para o A-155.03
EPDM



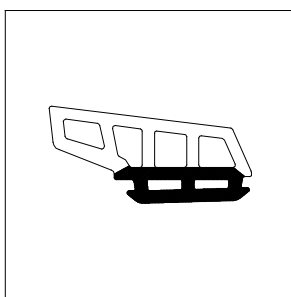
Ref.ª 1124
Conjunto topos para o A-165.03
EPDM



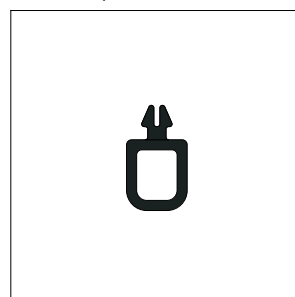
Ref.ª 1125
Conjunto topos para o A-175.03
EPDM



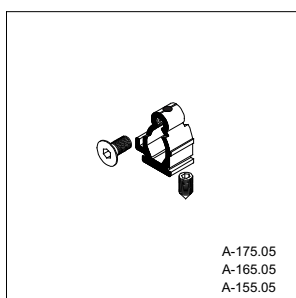
Ref.ª 1126
Complemento vedante central A.175
EPDM



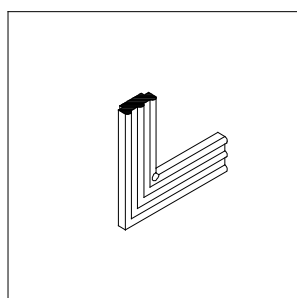
Ref.ª 1132
Vedante batente
Base de clipar - EPDM



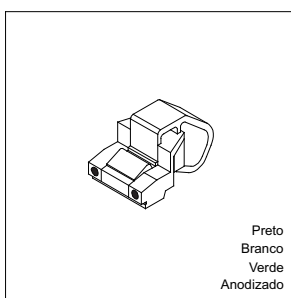
Ref.ª 4088
União de travessa com 14 mm



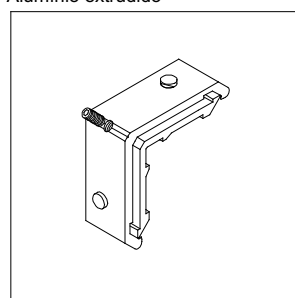
Ref.ª 4091
Esquadro alinhamento
Nylon



Ref.ª 4173
Fecho para janela basculante



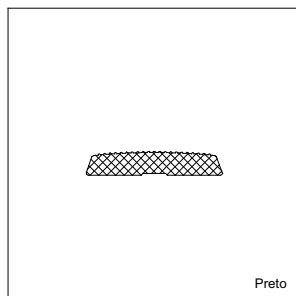
Ref.ª 4216
Esquadro (27x14)
Alumínio extrudido



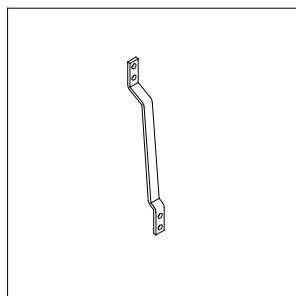


ACESSÓRIOS

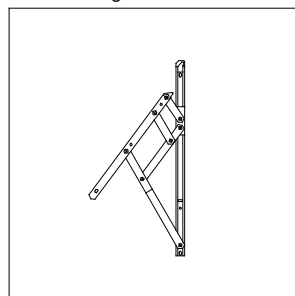
Ref.^a 4239
Calço para perfil soleira
PVC



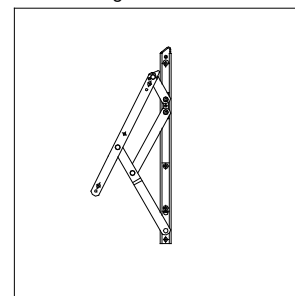
Ref.^a 4355
Transmissão para pivotante



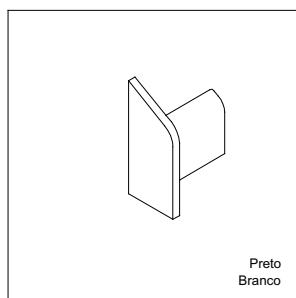
Ref.^a 4379
Compasso projectante
Peso < 24 Kg



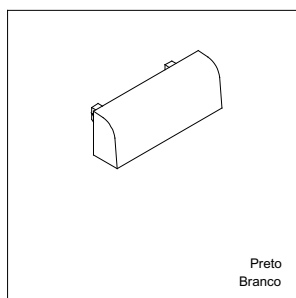
Ref.^a 4393
Compasso projectante
Peso < 65 Kg



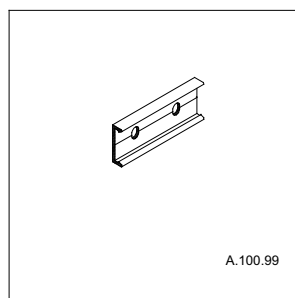
Ref.^a 4389
Topo pingadeira



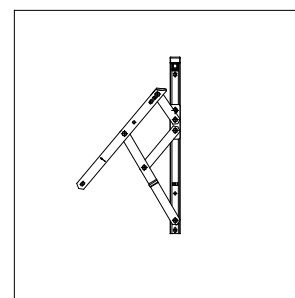
Ref.^a 4408
Goteira



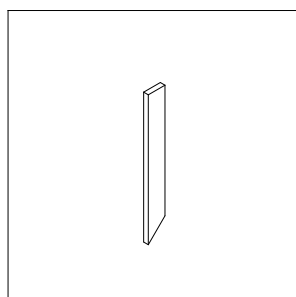
Ref.^a 4425
Fixador pingadeira



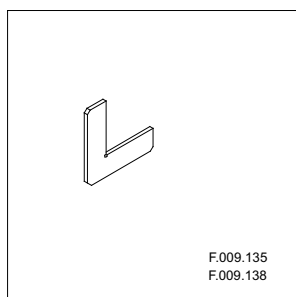
Ref.^a 4426
Compasso projectante
Peso < 20 kg



Ref.^a 4458
Cavilha elástica fixação travessa
Inox



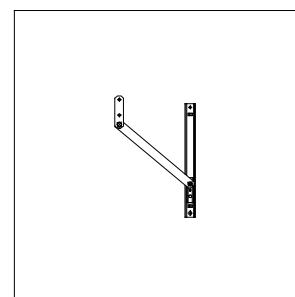
Ref.^a 4483
Esquadro alinhamento
Inox



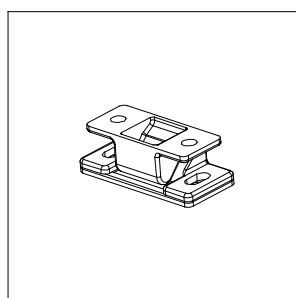
Ref.^a 4747
Compasso projectante
Peso < 120 Kg



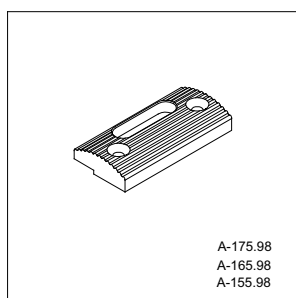
Ref.^a 4749
Limitador de abertura com 200mm
Janela projectante



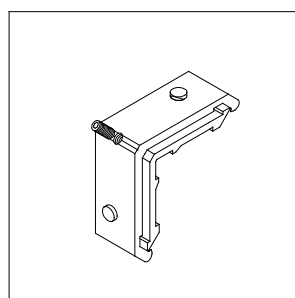
Ref.^a 4750
Limitador de flecha para janela
projectante



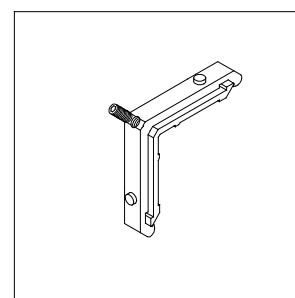
Ref.^a 4753
Engate inferior para porta duas folhas



Ref.^a 4764
Esquadro (23.5 x 14.5)
Alumínio extrudido



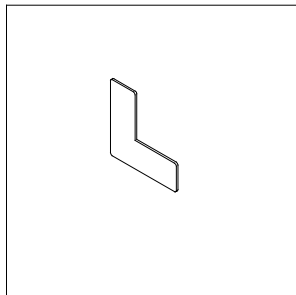
Ref.^a 4765
Esquadro (9.5 x 11.5)
Alumínio extrudido



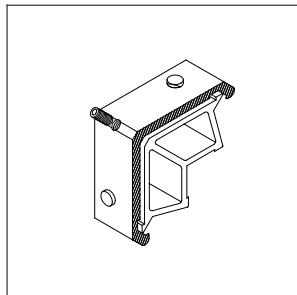


ACESSÓRIOS

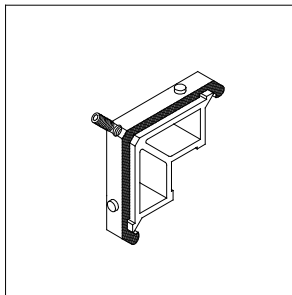
Ref.ª 4773
Esquadro alinhamento
Inox



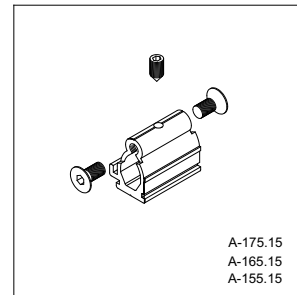
Ref.ª 4777
Esquadro (23 x 34)
Alumínio extrudido



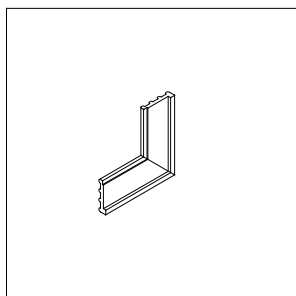
Ref.ª 4778
Esquadro (9,5 x 31)
Alumínio extrudido



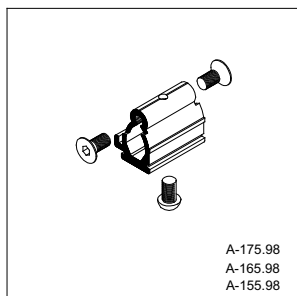
Ref.ª 4781
União de travessa com 33,5 mm
Alumínio extrudido



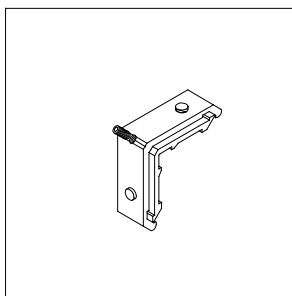
Ref.ª 4783
Esquadro alinhamento - A.175



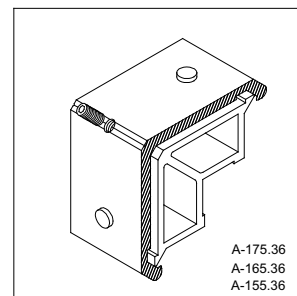
Ref.ª 4789
União soleira/aro com 33,5 mm
Alumínio extrudido



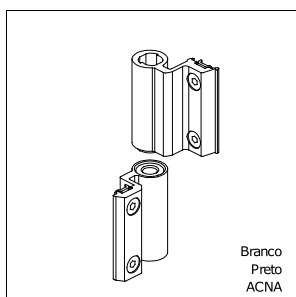
Ref.ª 4783
Esquadro (18,5 x 14,5)
Alumínio extrudido



Ref.ª 4792
Esquadro (35 x 29)
Alumínio extrudido



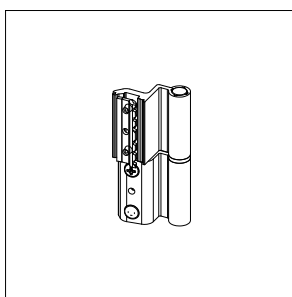
Ref.ª 4826
Dobradiça EU para porta



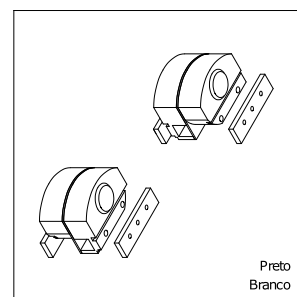
Ref.ª 4851
Kit fecho bidirecional
2ª folha



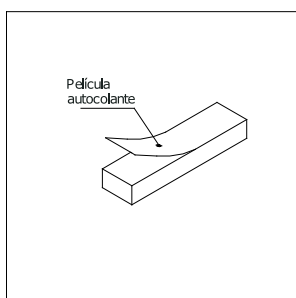
Ref.ª 4862
Dobradiça para 3ª folha



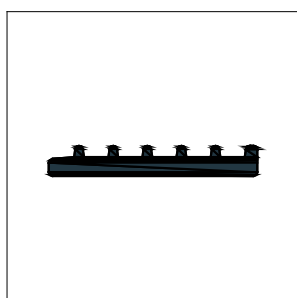
Ref.ª 5017
Jogo pivotante



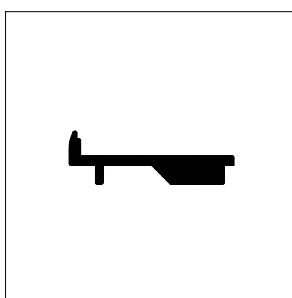
Ref.ª 1107
Junta autocolante (rolo)



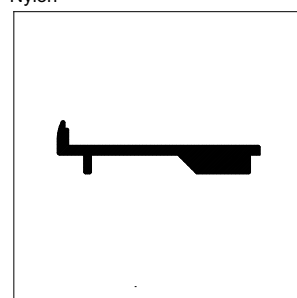
Ref.ª 1535
Junta para gola do vidro A.175
Espuma elastomérica



Ref.ª 1525
Calço para vidro folha A.155
Nylon



Ref.ª 1526
Calço para vidro folha A.165
Nylon

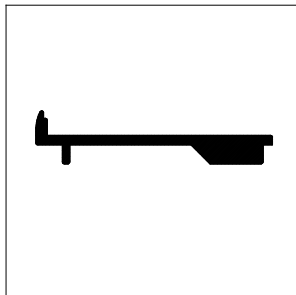




ACESSÓRIOS

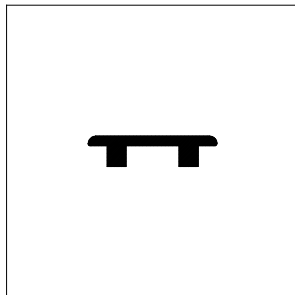
Ref.^a 1527

Calço para vidro folha A.175
Nylon



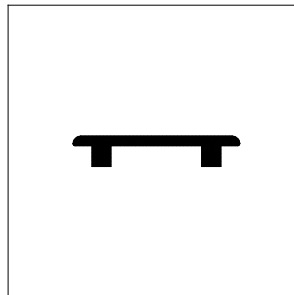
Ref.^a 1528

Calço para vidro aro A.155
Nylon



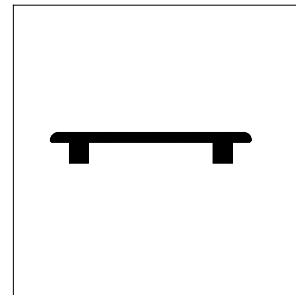
Ref.^a 1529

Calço para vidro aro A.165
Nylon



Ref.^a 1530

Calço para vidro aro A.175
Nylon



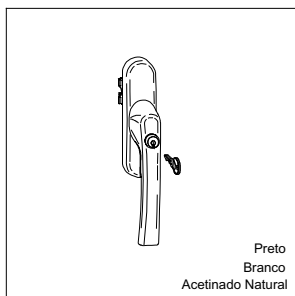
Ref.^a 5100

Cremone 1G



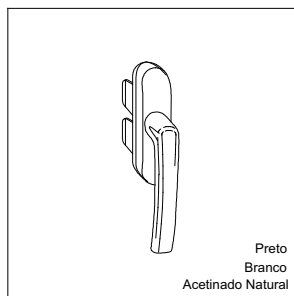
Ref.^a 5101

Cremone 1G com chave
Dobradiça oculta



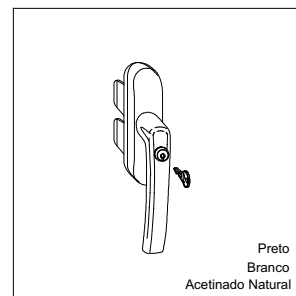
Ref.^a 5102

Cremone 2G



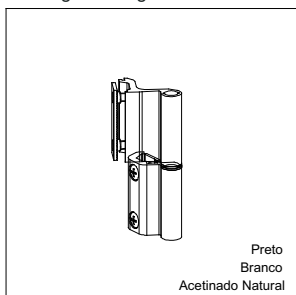
Ref.^a 5103

Cremone 2G com chave



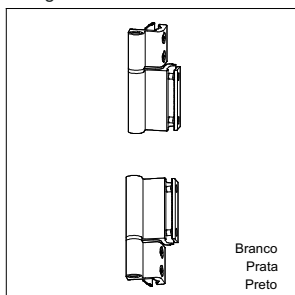
Ref.^a 5104

Dobradiça direita
2-50 Kg/ 3-70 Kg



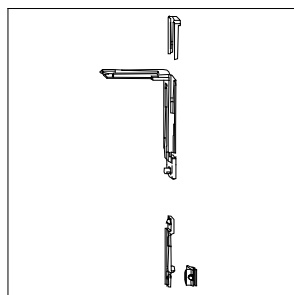
Ref.^a 5107

Jogo de dobradiças 2ª F OB
80 Kg



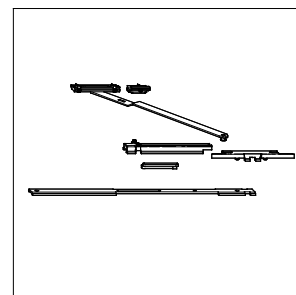
Ref.^a 5111

Ângulo de reenvio OB



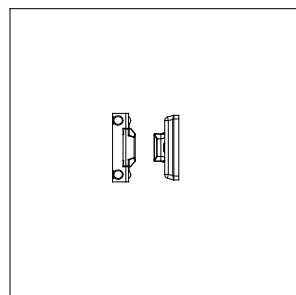
Ref.^a 5112

Compasso suplementar OB
L > 1301 mm



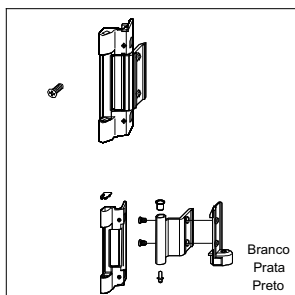
Ref.^a 5113

Limitador de flecha



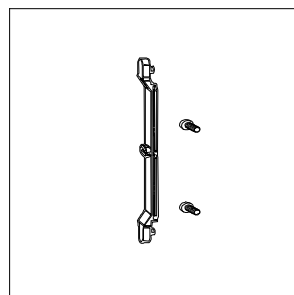
Ref.^a 5115

Jogo de dobradiças 2ª F OB
130 Kg



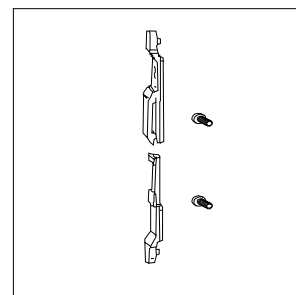
Ref.^a 5118

Jogo de conexão cremone 1G



Ref.^a 5119

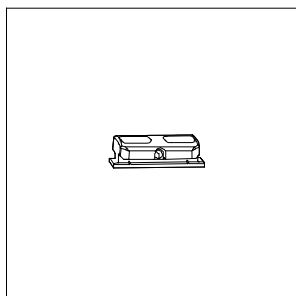
Jogo de conexão cremone 2G



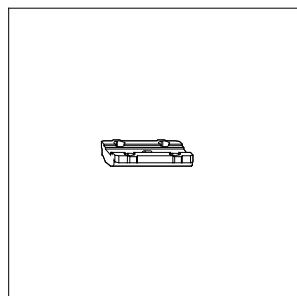


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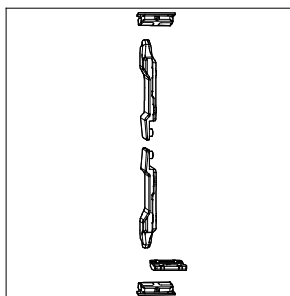
Ref.ª 5120
Engate para ponteira



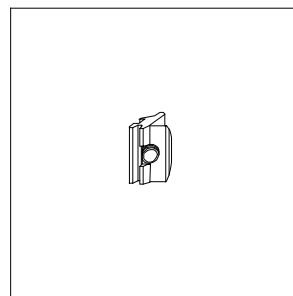
Ref.ª 5121
Placa deslizadora



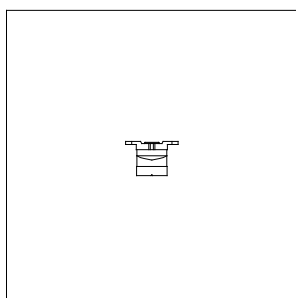
Ref.ª 5122
Conjunto ponteiras, engate e deslizador



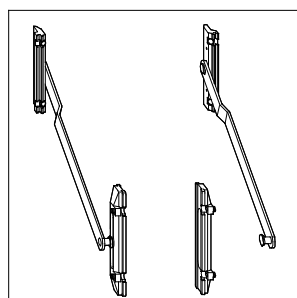
Ref.ª 5123
Ponto de fecho aro fixo



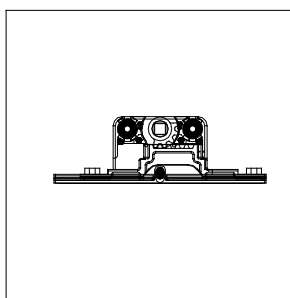
Ref.ª 5124
Ponto de fecho folha móvel



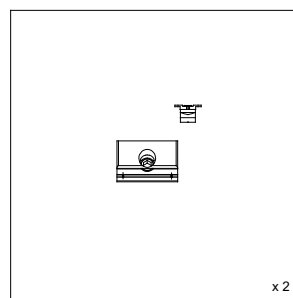
Ref.ª 5126
Compasso basculante
130 Kg



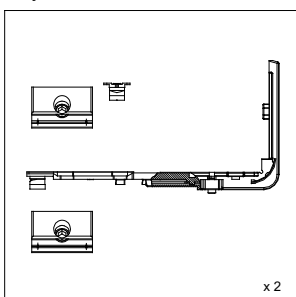
Ref.ª 5127
Mecanismo para projectante



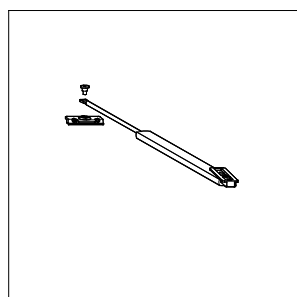
Ref.ª 5128
Conjunto ponto de fecho
Projectante



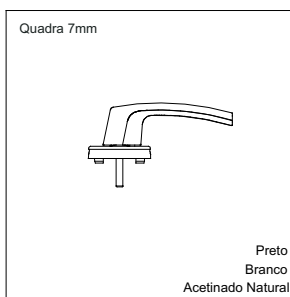
Ref.ª 5129
Conjunto ângulo de reenvio
Projectante



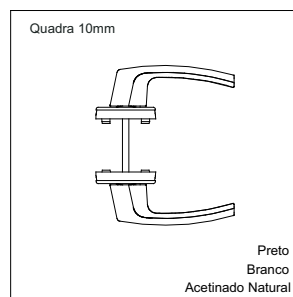
Ref.ª 5130
Limitador de abertura



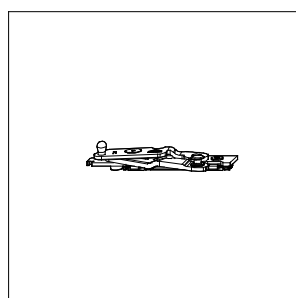
Ref.ª 5131
Manete projectante ROTOLINE
Projectante



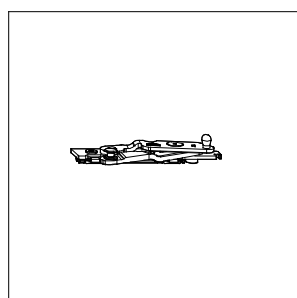
Ref.ª 5132
Cremone duplo para porta
ROTOLINE (espelhos incluídos)



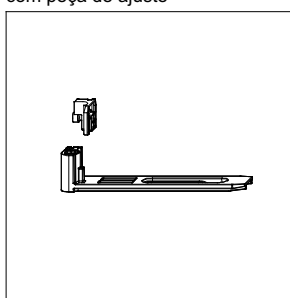
Ref.ª 5133
Pivot de repouso esquerdo



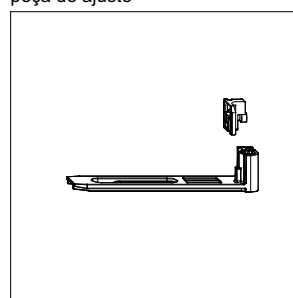
Ref.ª 5134
Pivot de repouso direito



Ref.ª 5135
Dobradiça de canto esquerda
com peça de ajuste



Ref.ª 5136
Dobradiça de canto direita com
peça de ajuste

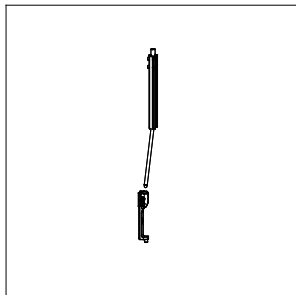




ACESSÓRIOS

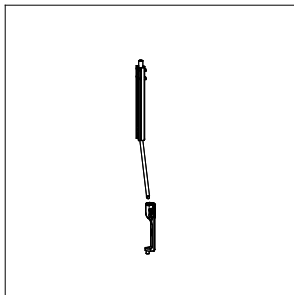
Ref.ª 5137

Dispositivo esquerdo de transferência de carga - 150 Kg



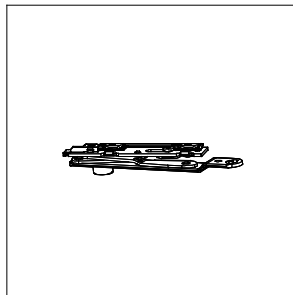
Ref.ª 5138

Dispositivo direito de transferência de carga: 150 Kg



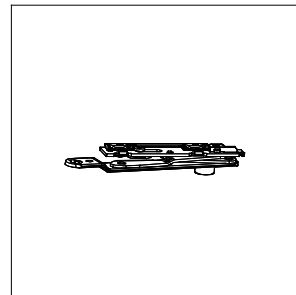
Ref.ª 5139

Compasso falso esquerdo



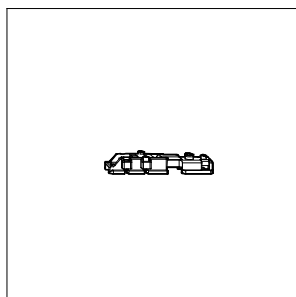
Ref.ª 5140

Compasso falso direito



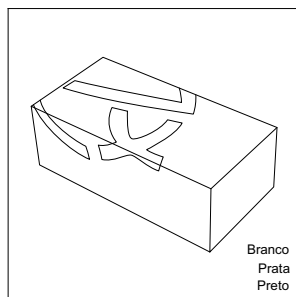
Ref.ª 5141

Base para compasso falso



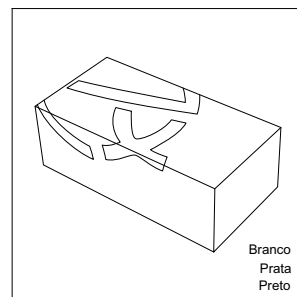
Ref.ª 5400

Kit oscilobatente 80Kg
390-700mm



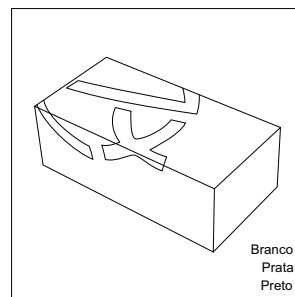
Ref.ª 5401

Kit oscilobatente 80Kg
701-1600mm



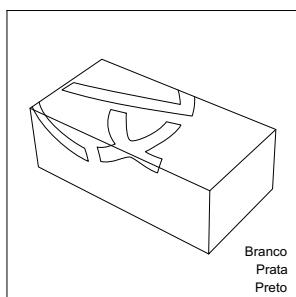
Ref.ª 5402

Kit oscilobatente 130Kg
405-600mm



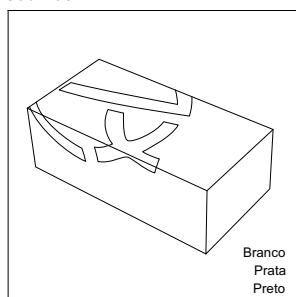
Ref.ª 5403

Kit oscilobatente 130Kg
601-1600mm



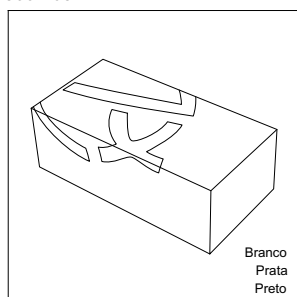
Ref.ª 5404

Kit oscilobatente dob esq oculta 100Kg
500-735mm



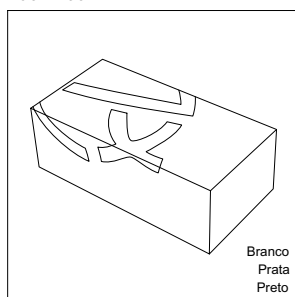
Ref.ª 5405

Kit oscilobatente dob dta oculta 100Kg
500-735mm



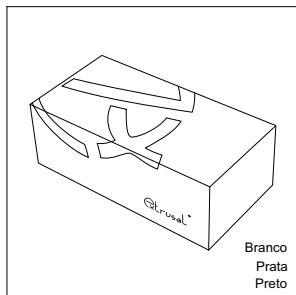
Ref.ª 5406

Kit oscilobatente dob esq oculta 100Kg
736-1400mm



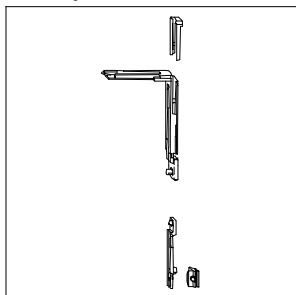
Ref.ª 5407

Kit oscilobatente dob dta oculta 100Kg
736-1400mm



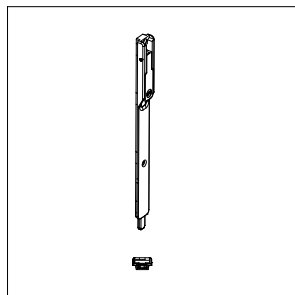
Ref.ª 5151

Ângulo de reenvio OB
Dobradiça oculta



Ref.ª 1025

Kit de fecho 2 folha porta



Ref.ª 1026

Testa inox para fecho 2 folha porta

