

LT

sistema de batente de 67mm com corte térmico



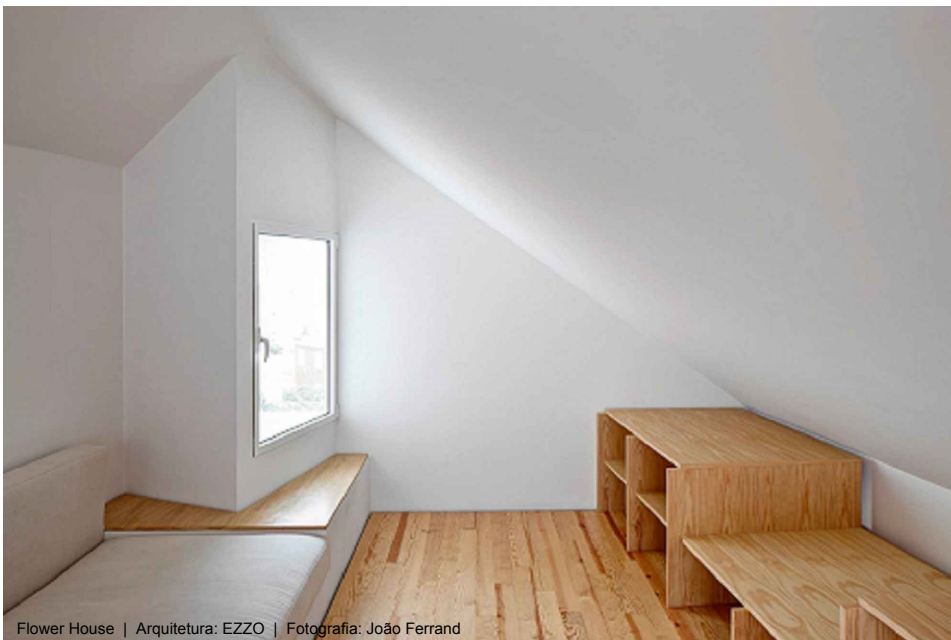
CATÁLOGO TÉCNICO



SISTEMAS
EURO 2000®
PERFIS DE ALUMÍNIO E VIDROS PARA ARQUITECTURA



Casa Amélia | Arquitetura: M2.Senos | Fotografia: FG+SG - Fotografia de Arquitectura



Flower House | Arquitetura: EZZO | Fotografia: João Ferrand



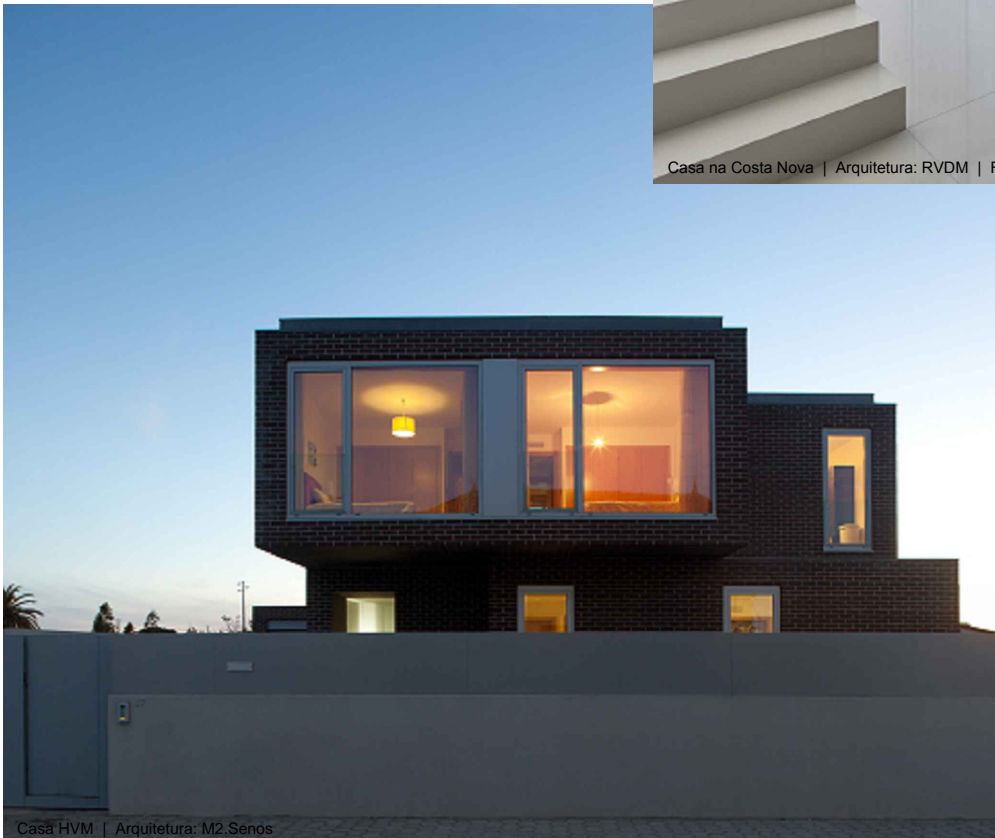
Casa na Costa Nova | Arquitetura: RVDM | Fotografia: João Margalha



Casa AC | Arquitetura: Nuno Durão

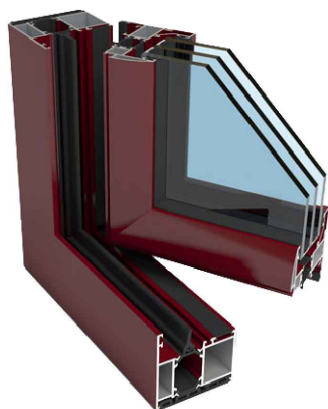


Casa na Costa Nova | Arquitetura: RVDM | Fotografia: João Margalha



Casa HVM | Arquitetura: M2.Senos

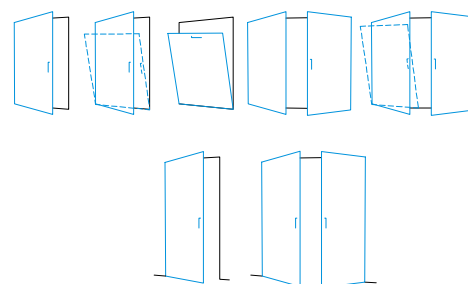
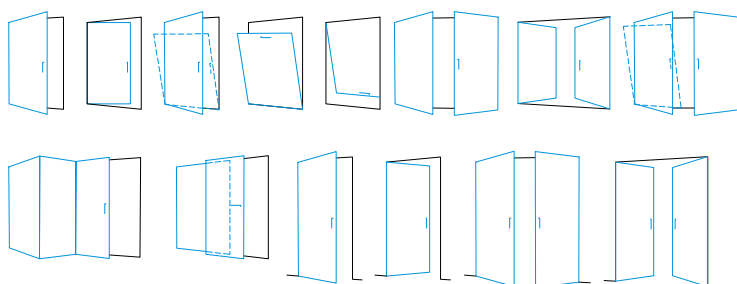
sistema de batente de 67mm com corte térmico






O sistema LT foi projetado para responder às necessidades de grande conforto. A combinação deste sistema com vidros triplos seletivos proporciona altas prestações de isolamento térmico e/ou acústico.

| | LT | LT-Oculto |
|----------------|---|--|
| APRESENTAÇÃO | Reta Oval | Reta |
| DIMENSÕES | | |
| Aro fixo | | 67mm |
| Aro móvel | 74mm | 67mm |
| BITES | Retos Redondos | |
| ENCHIMENTO | De 14 a 50mm (vidro) | Vidro recomendado para áreas superiores a 1,20m ² : 28mm 6mm (temperado) + 14mm + 8mm (temperado) 6mm (temperado) + 14mm + 44.1mm |
| CORTES | 45° 90° | |
| UNIÕES | Exteriores: várias dimensões Interiores: esquadros de bloqueio e uniões de travessa | |
| VEDAÇÃO | Junta em EPDM | |
| PESO MÁXIMO * | Janela de batente (int./ext. 1 2 folhas) - 150Kg/folha Porta (int./ext. 1 2 folhas) - 180Kg/folha Oscilo-batente (1 2 folhas) - 130Kg/folha Oscilo-paralela - 160Kg/folha Projetante - 120Kg/folha Basculante - 70Kg/folha Harmónio - 80Kg/folha | Janela de batente 1 2 folhas - 130Kg/folha Porta 1 2 folhas - 130Kg/folha Oscilo-batente - 100 130 Kg/folha Basculante - 70Kg/folha |
| ÁREA MÁXIMA ** | | 2,60m ² /folha **Em conformidade com ITT |
| ACABAMENTOS | Lacados Anodizados Bicolores | |

* Verificar limites nos ábacos da ferragem a aplicar



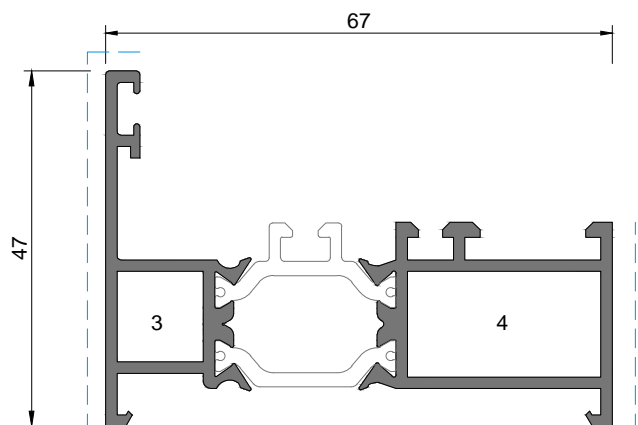
Desempenho do sistema

| Ensaio | Permeabilidade ao AR | Estanquidade à ÁGUA | Resistência ao VENTO |
|---|---|--|----------------------|
| Janela 2 folhas - 1.60m x 1.40m Ensaio 34/08 - LNEC/LEC | 4 | E900 | C5 |
| Janela 2 folhas + fixo lateral - 2.60m x 2.40m Ensaio 02/10 - LNEC/LEC | 4 | E900 | B4 |
| Janela 2 folhas+ fixo lateral - 2.70m x 2.20m Ensaio CSTB BV18-0156 | 4 | 7B 5A | C2 |
| Janela 2 folhas - 1.6m x 2.25m Ensaio CSTB BV18-0157 |  | Esforços de manobra Permeabilidade ao ar | |
| Janela 1 folha - 0.90m x 1.80m Ensaio CSTB BV18-0158 |  | Ensaio mecânicos Permeabilidade ao ar | |
| Janela 2 folhas - 1.80m x 2.20m Ensaio CSTB BV18-0159 |  | Ensaio mecânicos Permeabilidade ao ar Resistência a abertura/fecho repetidos | |

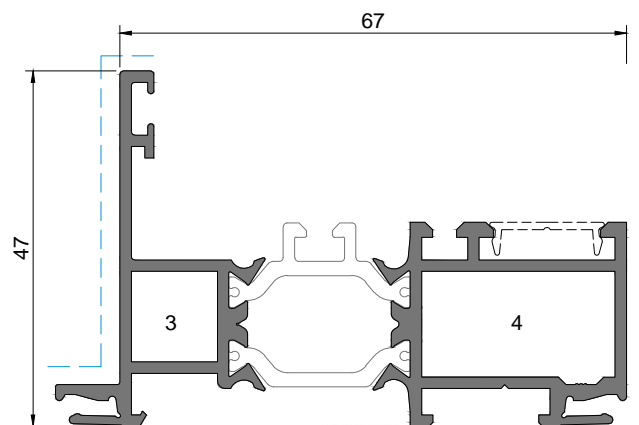
AVIS TECHNIQUE FAVORÁVEL: DTA 6/17-2368 V1 de 14-12-2017

Relatório Estudo Térmico nº. CSTB BV18-0171

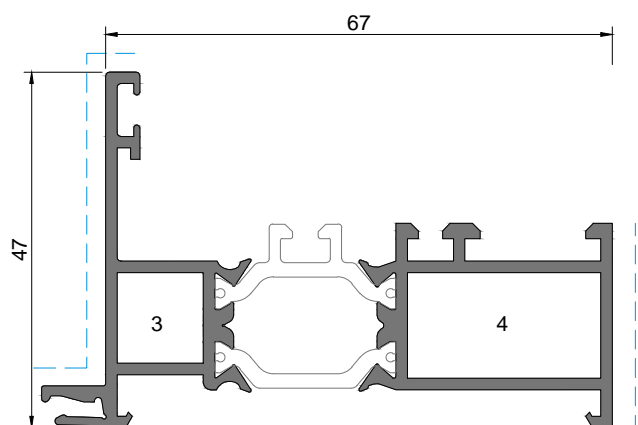
| | Ug = W / (m² K) | Uw = W / (m² K) | | |
|--|-----------------|-----------------|-------------------|-----|
| | | Alumínio | NF EN ISO 10077-1 | TGI |
| Aro móvel: LT 85 | | | | |
| Janela 1 folha - 1.25m x 1.48m (LxH) | | | | |
| Vidro triplo | 0,6 | 1,4 | 1,3 | 1,2 |
| Vidro duplo | 1,0 | 1,6 | 1,6 | 1,5 |
| | 1,1 | 1,7 | 1,7 | 1,6 |
| Janela 2 folhas - 1.53m x 1.48m (LxH) | | | | |
| Vidro triplo | 0,6 | 1,6 | 1,5 | 1,4 |
| Vidro duplo | 1,0 | 1,8 | 1,9 | 1,7 |
| | 1,1 | 1,9 | 1,9 | 1,7 |
| Aro móvel: LT 88 | | | | |
| Janela 1 folha - 1.25m x 1.48m (LxH) | | | | |
| Vidro triplo | 0,6 | 1,4 | 1,3 | 1,2 |
| Vidro duplo | 1,0 | 1,6 | 1,7 | 1,5 |
| | 1,1 | 1,7 | 1,7 | 1,6 |
| Janela 2 folhas - 1.53m x 1.48m (LxH) | | | | |
| Vidro duplo | 1,0 | 1,8 | 1,8 | 1,7 |
| | 1,1 | 1,9 | 1,9 | 1,7 |
| Janela sacada 2 folhas - 1.53m x 2.18m (LxH) | | | | |
| Vidro duplo | 1,0 | 1,8 | 1,8 | 1,6 |
| | 1,1 | 1,8 | 1,8 | 1,7 |



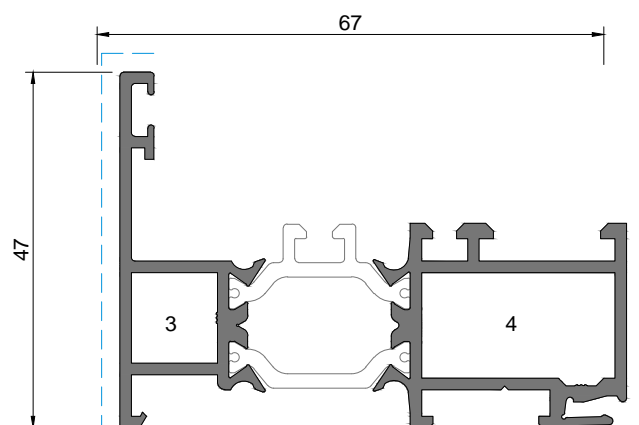
LT 01



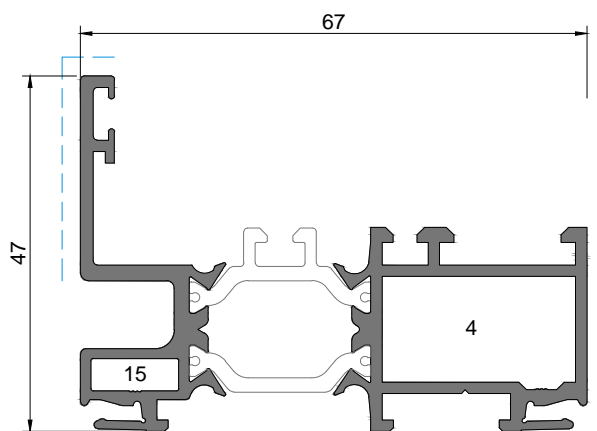
LT 51



LT 31



LT 41



LT 71

1- ESQ. 18-1130-C
7- ESQ. SA35 CORT. PEQ.
13 - U. SUP. TRAVESSA XP

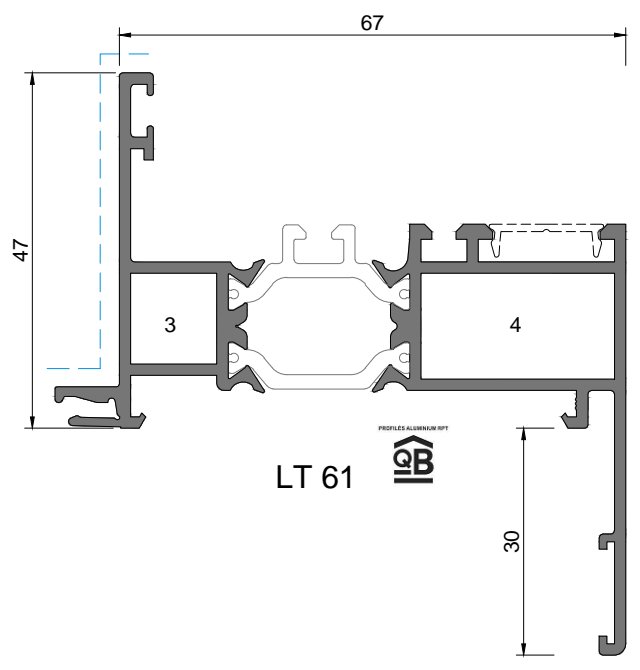
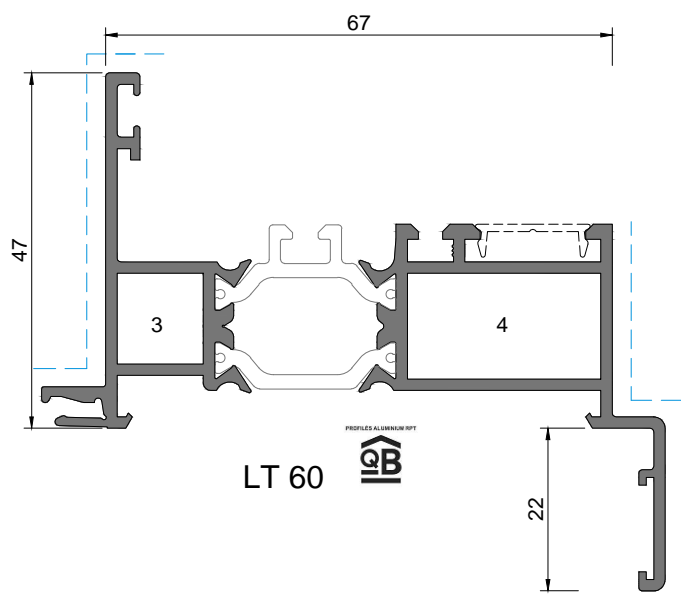
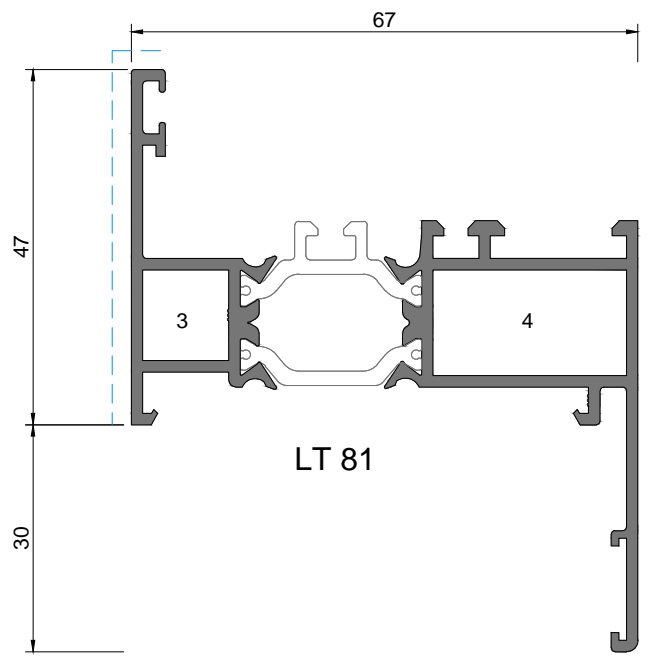
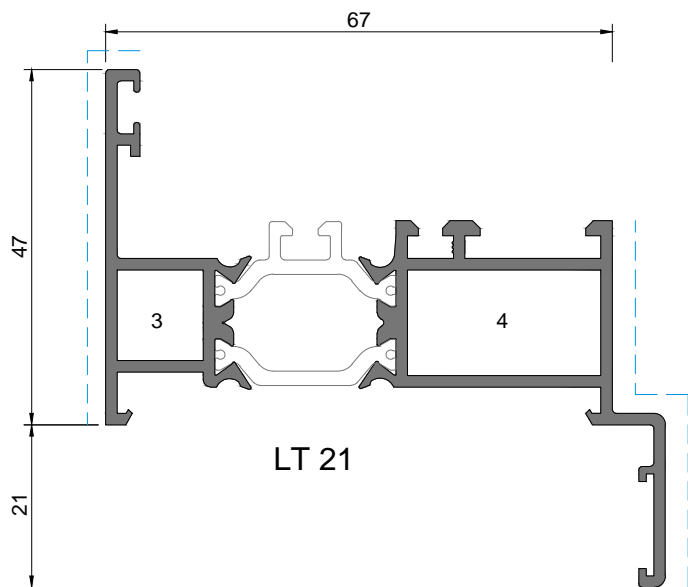
2- ESQUADRO AT E. G.
8- ESQ. 18-1414-C
14 - U. SUP. TRAVESSA G

3- ESQ. 18-1112-C
9 - CANTO CR0182+ PINO GR.
15 - ESQ. LT1104

4- ESQ. AT E. P.
10- ESQ. 1108

5- ESQ. 26-2537-140
11 - UNIÃO T. SA2001G

6- ESQ. 18-1135-C
12 - UNIÃO . SA2001XP



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13 - U. SUP. TRAVESSA XP

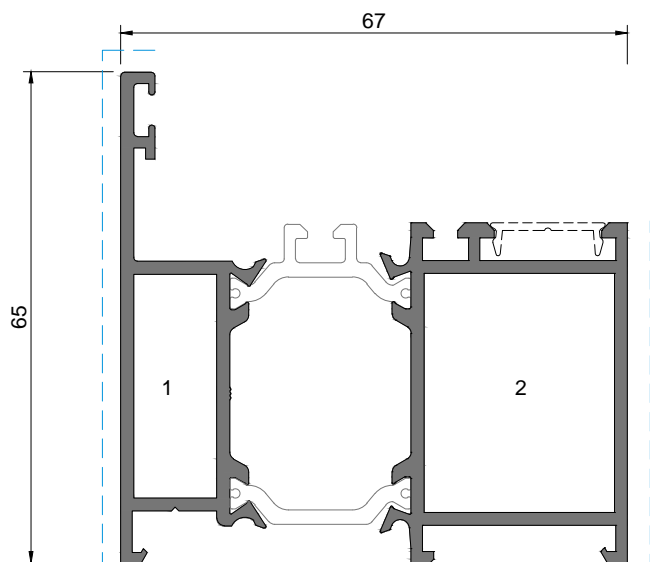
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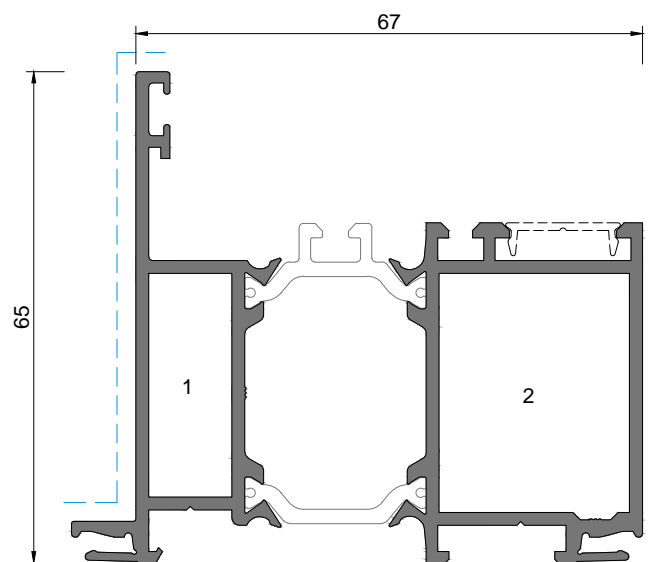
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10- ESQ. 1108

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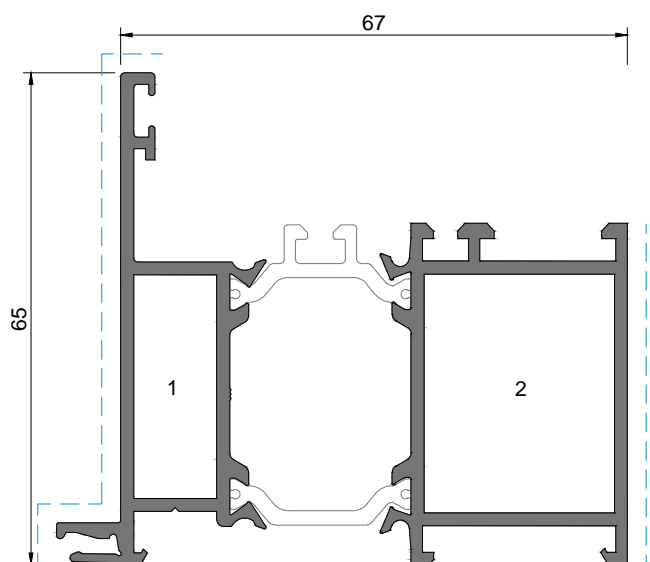
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12 - UNIÃO . SA2001XP



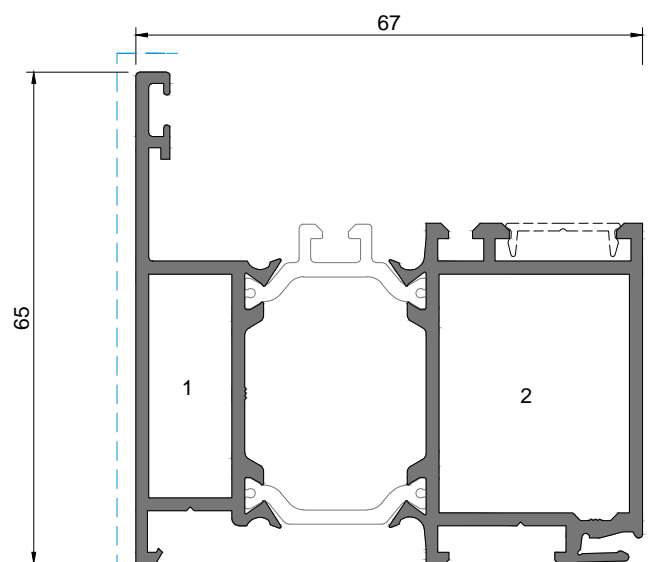
LT 07



LT 57



LT 67



LT 47

1- ESQ. 18-1130-C
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13 - U. SUP. TRAVESSA XP

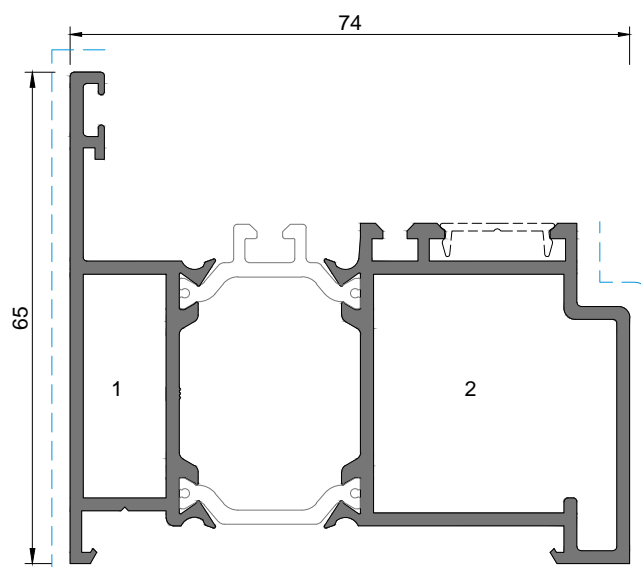
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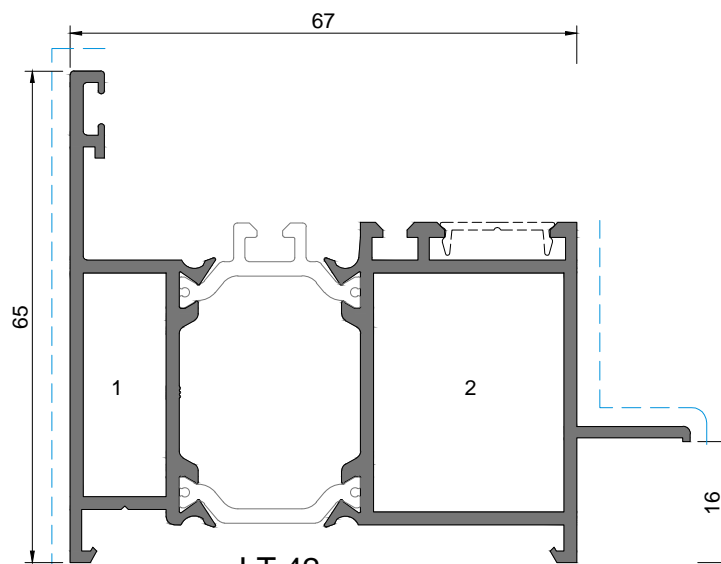
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10- ESQ. 1108

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11 - UNIÃO T. SA2001G

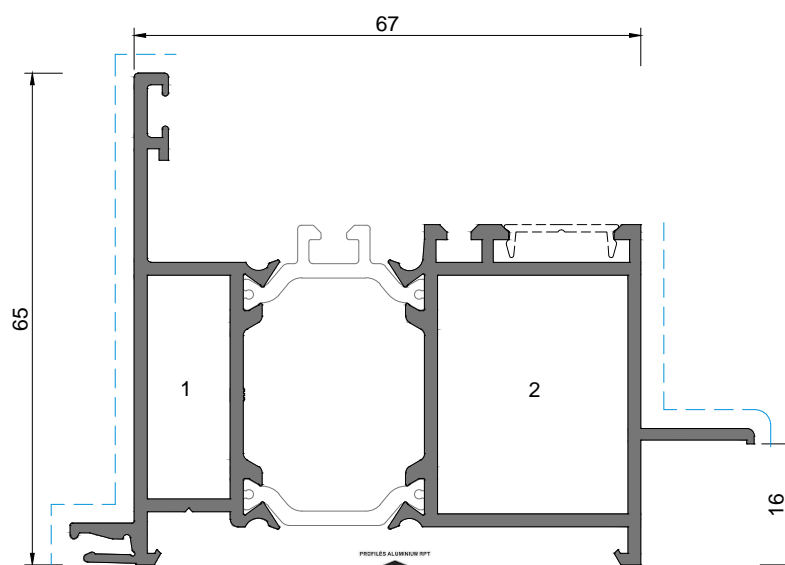
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12 - UNIÃO . SA2001XP



LT 68

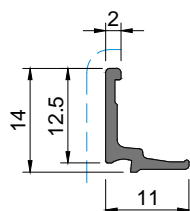


LT 42

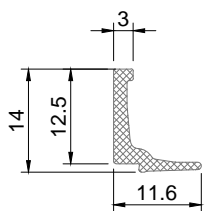


LT 62

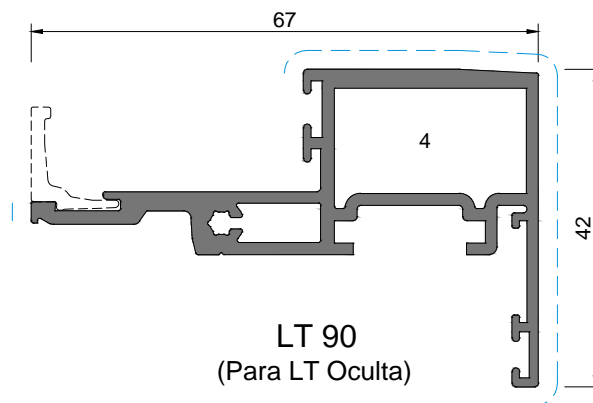
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| 1- ESQ. 18-1130-C | 2- ESQUADRO AT E. G. | 3- ESQ. 18-1112-C | 4- ESQ. AT E. P. | 5- ESQ. 26-2537-140 | 6- ESQ. 18-1135-C |
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| 13 - U. SUP. TRAVESSA XP | 14 - U. SUP. TRAVESSA G | 15 - ESQ. LT1104 | | | |



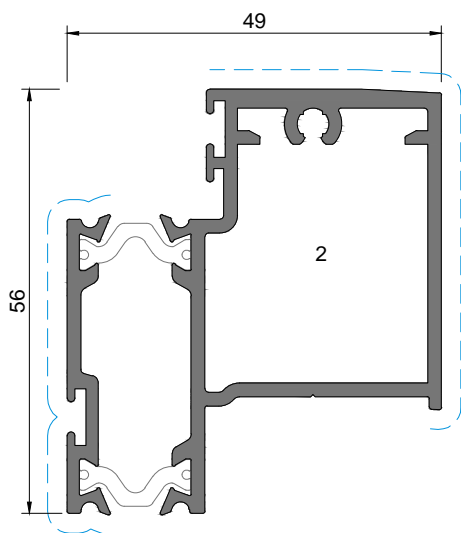
LT 95
Bite em alumínio
anodizado à cor AC 05



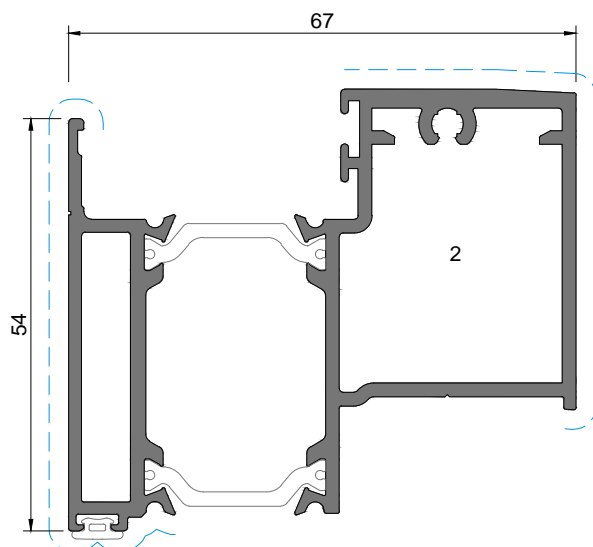
LT 905
Bite em poliamida
PRETO



LT 90
(Para LT Oculta)



LT 91
(Para LT Oculta)



LT 92
(Para LT Oculta)

1- ESQ. 18-1130-C
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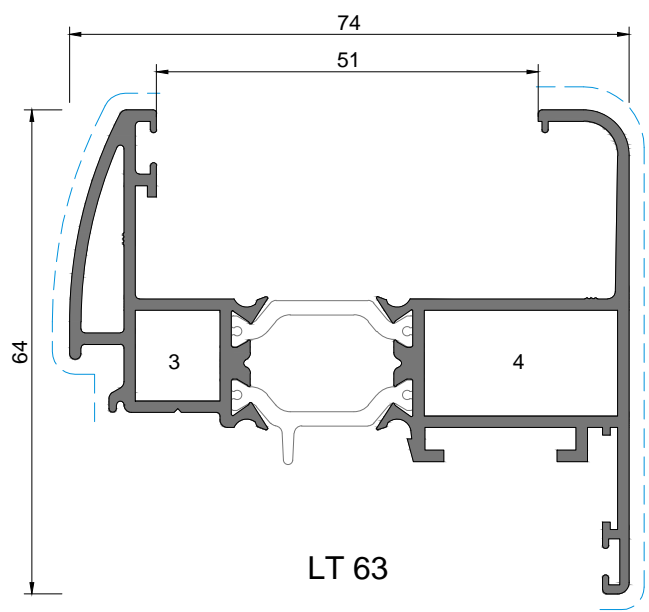
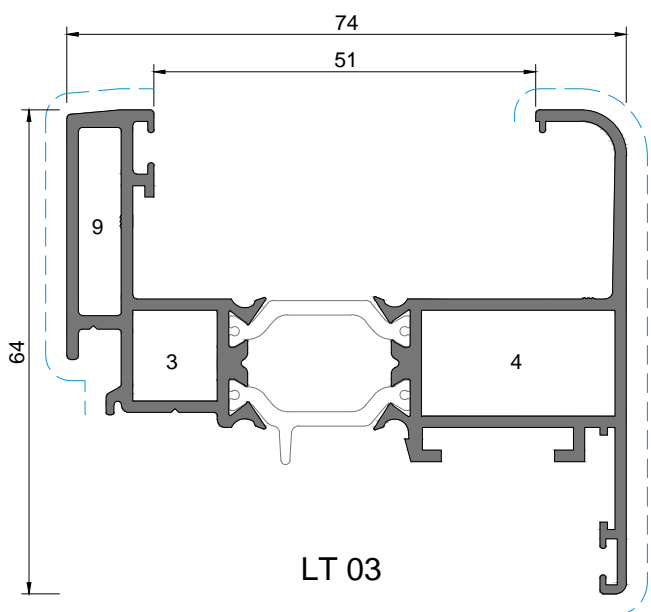
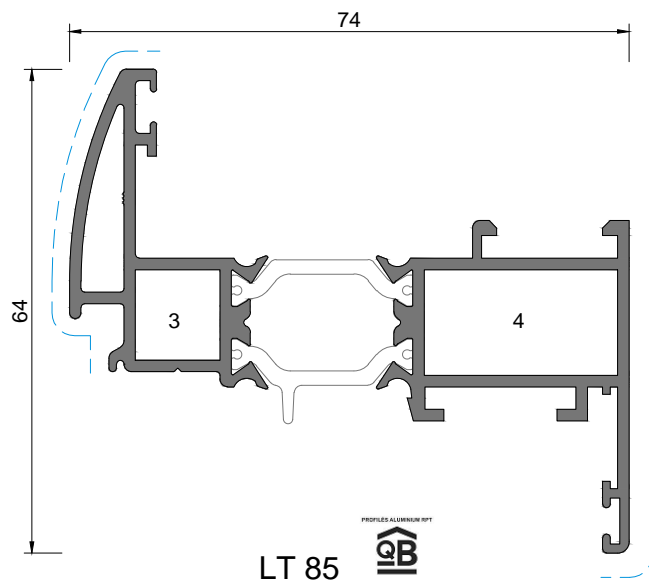
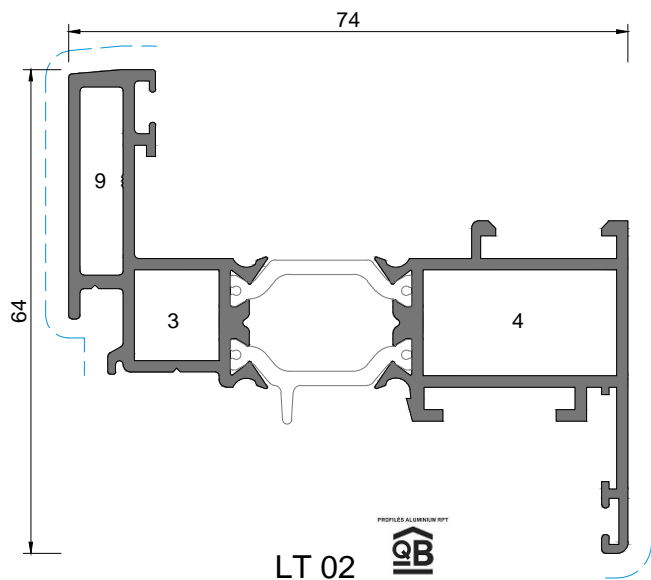
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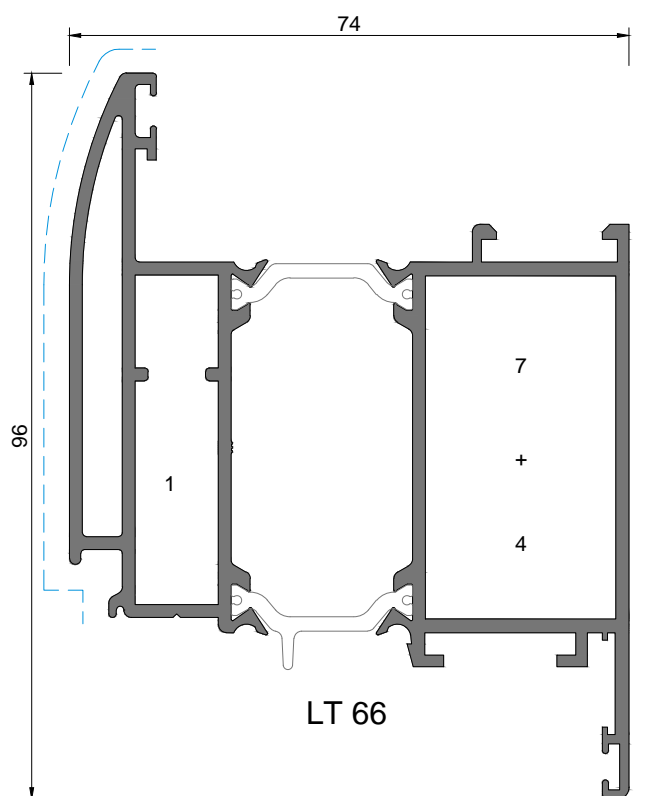
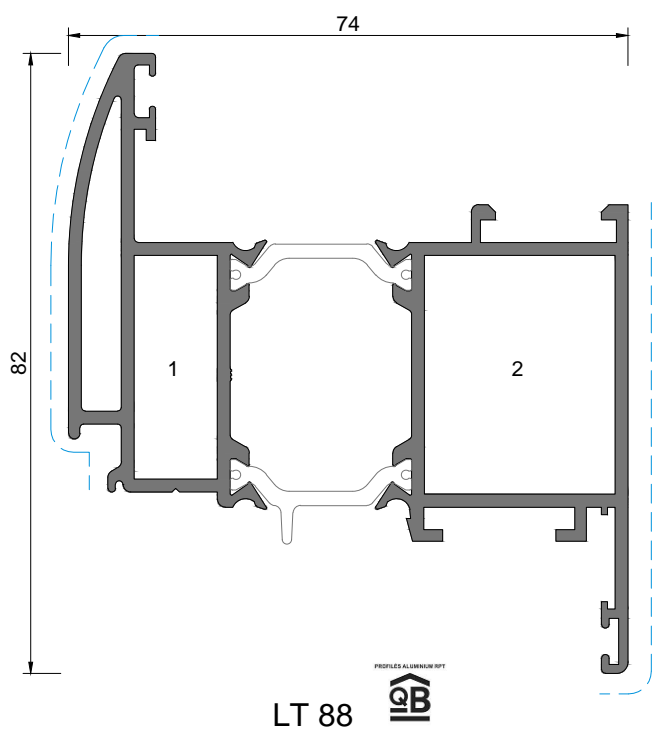
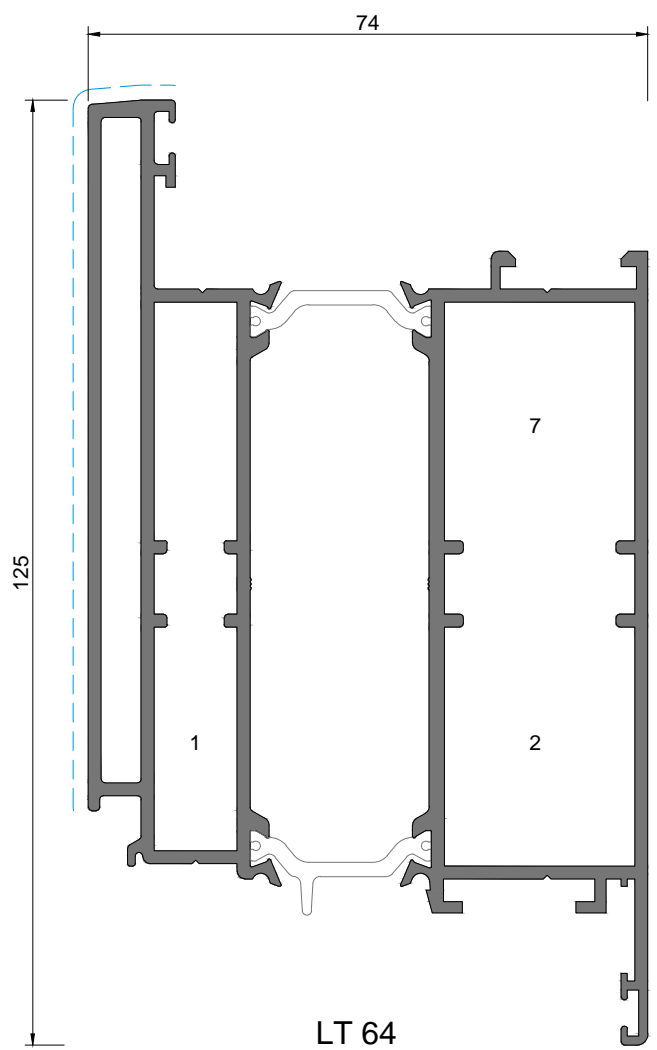
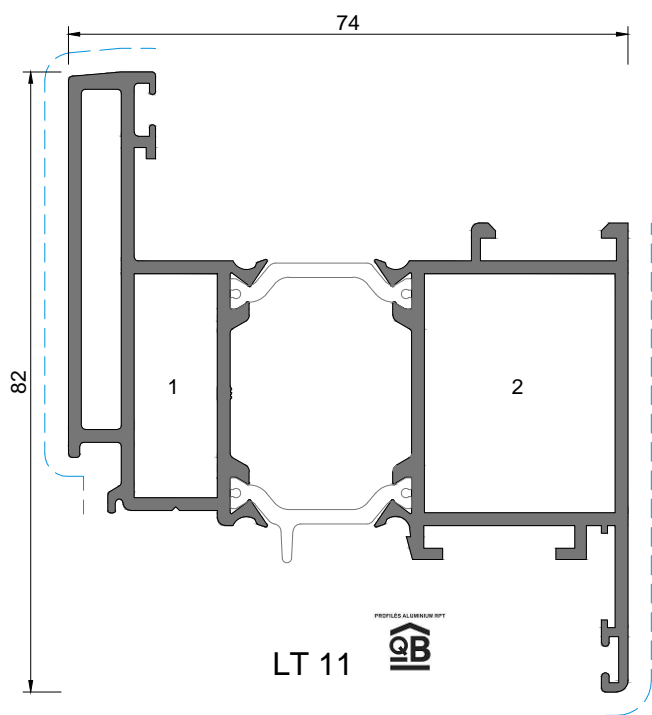
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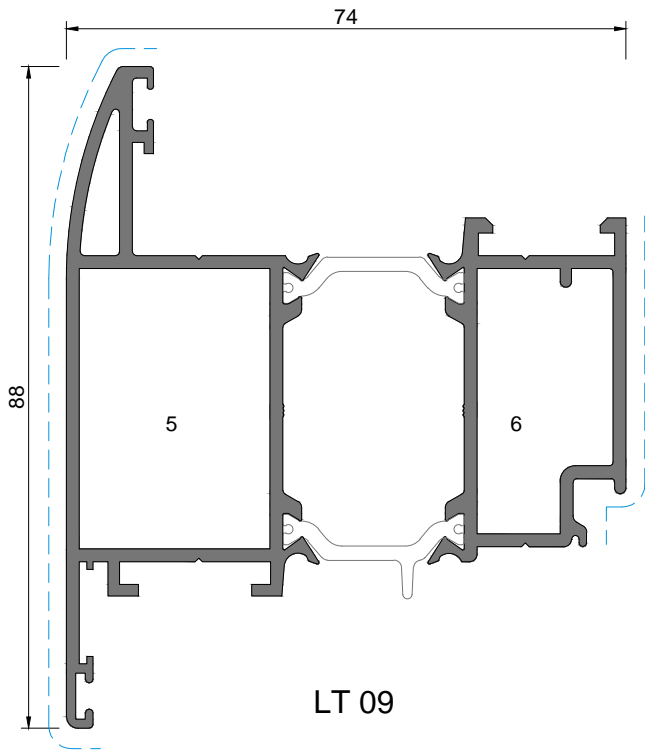
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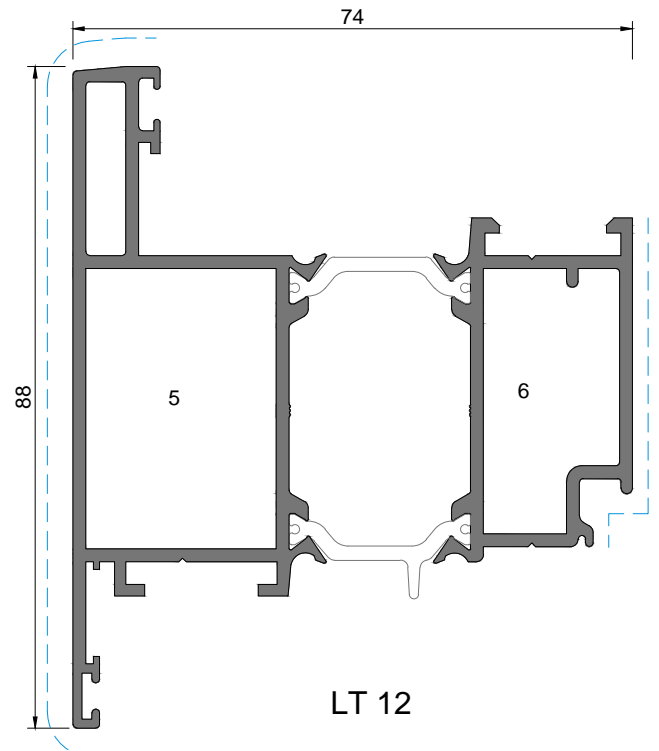
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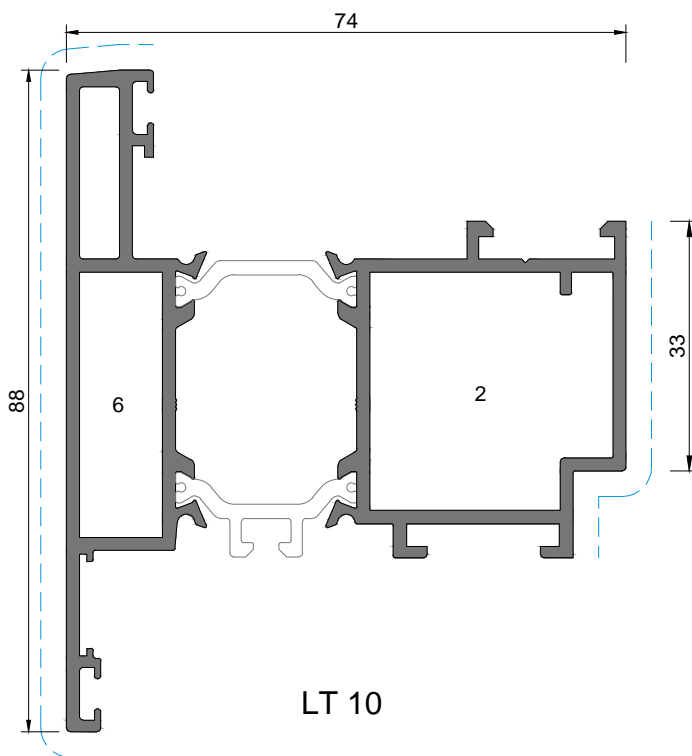
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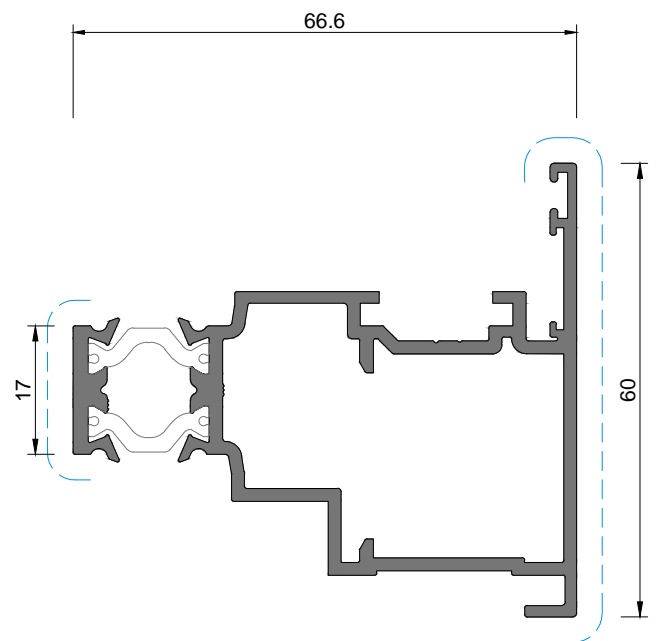
LT 09



LT 12



LT 10



LT 24
(Inversor para Pivotante)

1- ESQ. 18-1130-C
7- ESQ. SA35 CORT. PEQ.
13- U. SUP. TRAVESSA XP

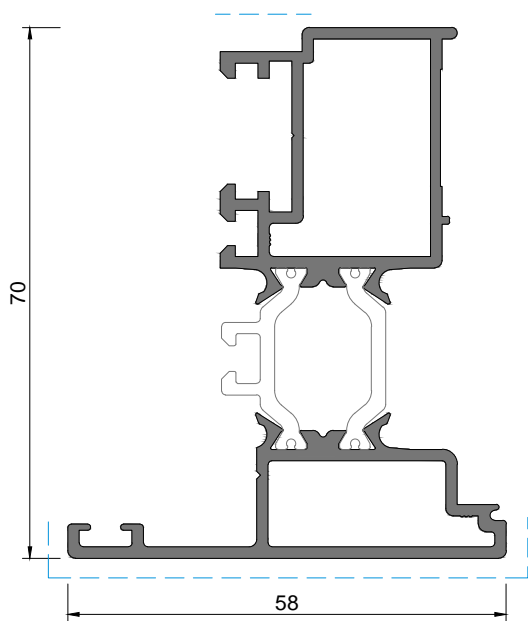
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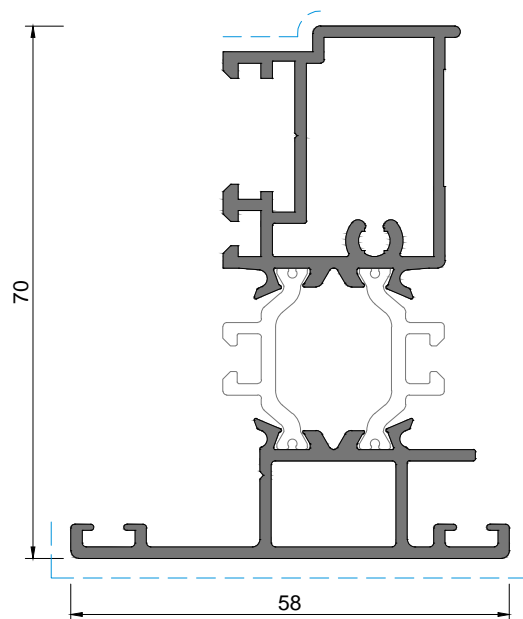
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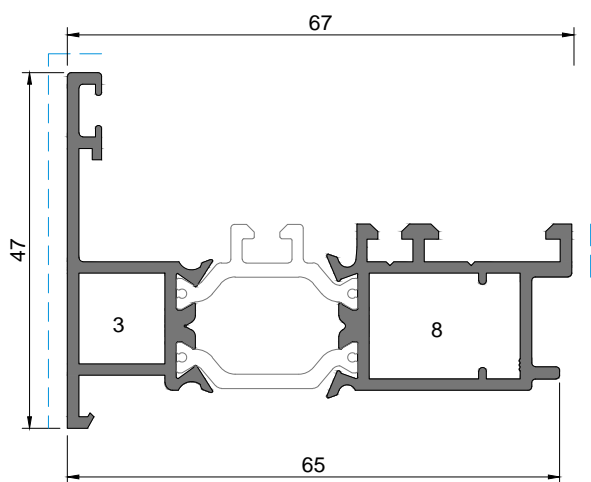
6- ESQ. 18-1135-C
12- UNIÃO . SA2001XP



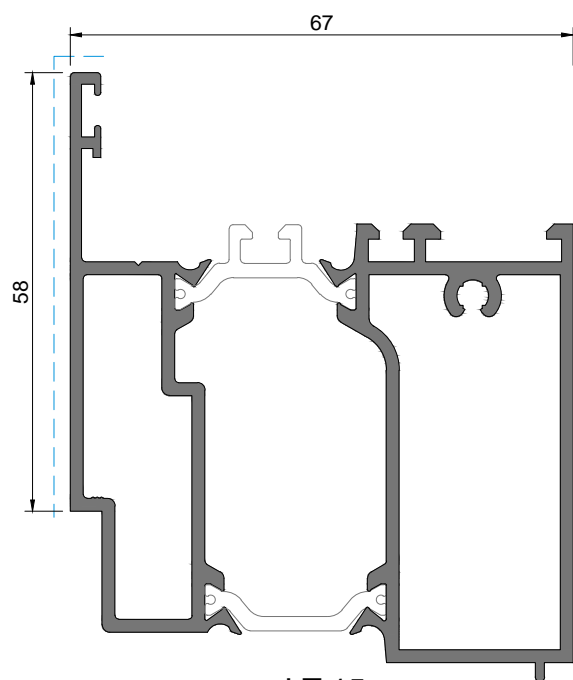
LT 06 



LT 96
(Para LT Oculta)



LT 83



LT 15

1- ESQ. 18-1130-C
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13- U. SUP. TRAVESSA XP

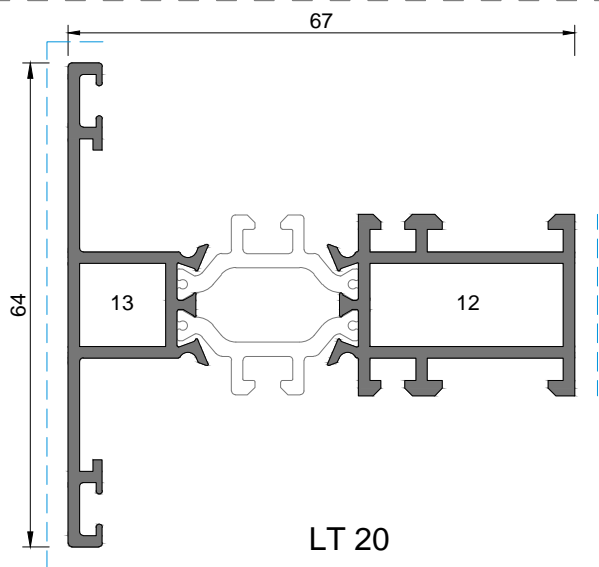
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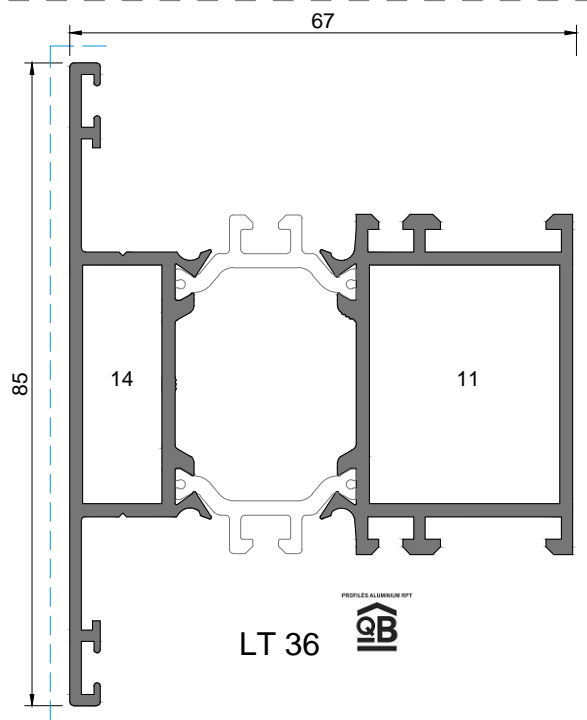
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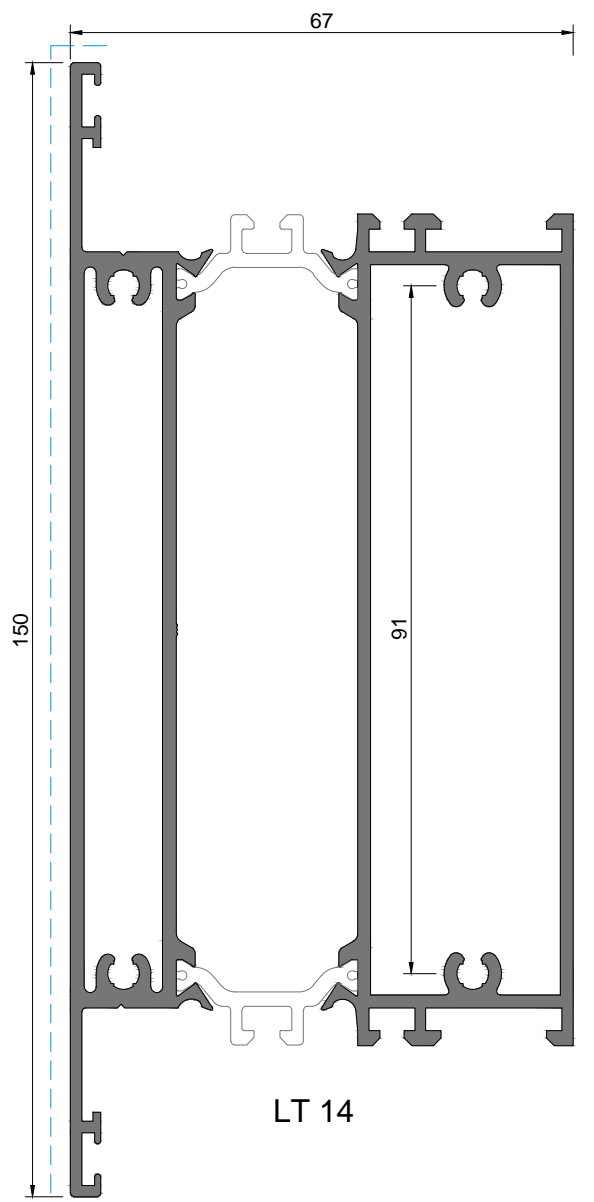
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12- UNIÃO . SA2001XP



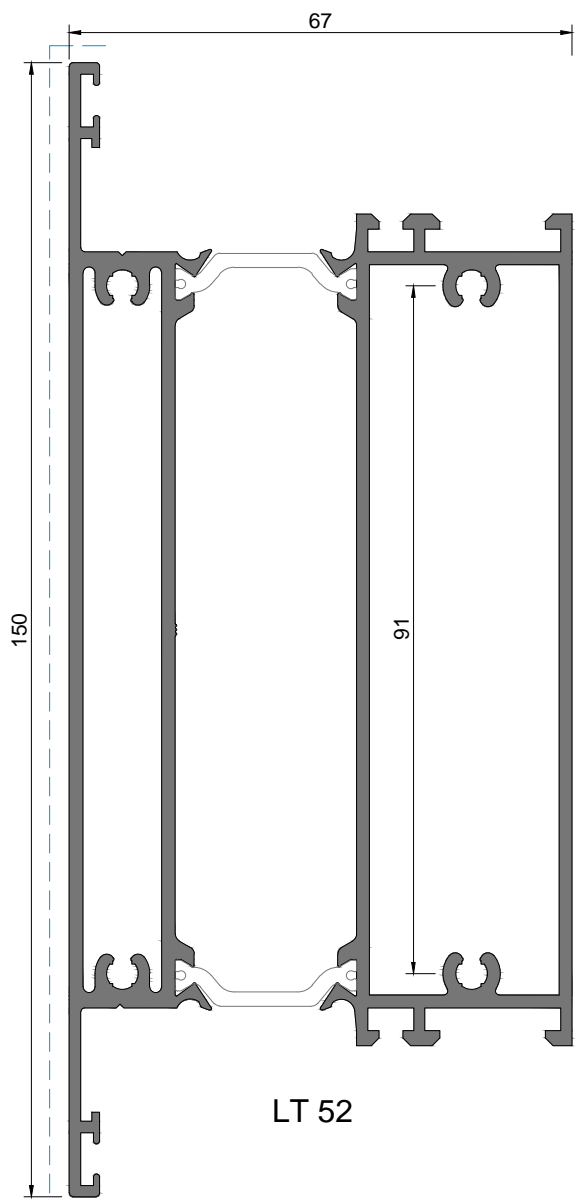
LT 20



LT 36



LT 14



LT 52

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13 - U. SUP. TRAVESSA XP

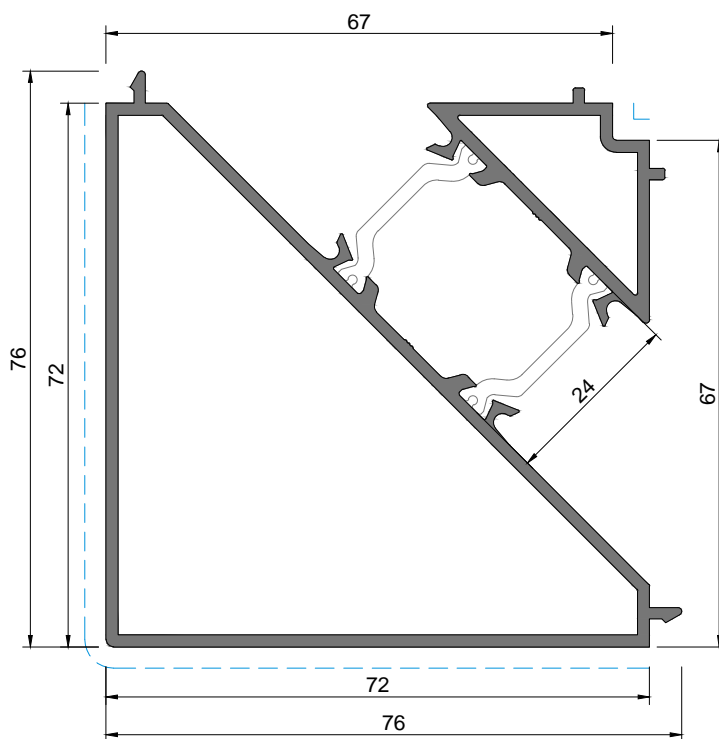
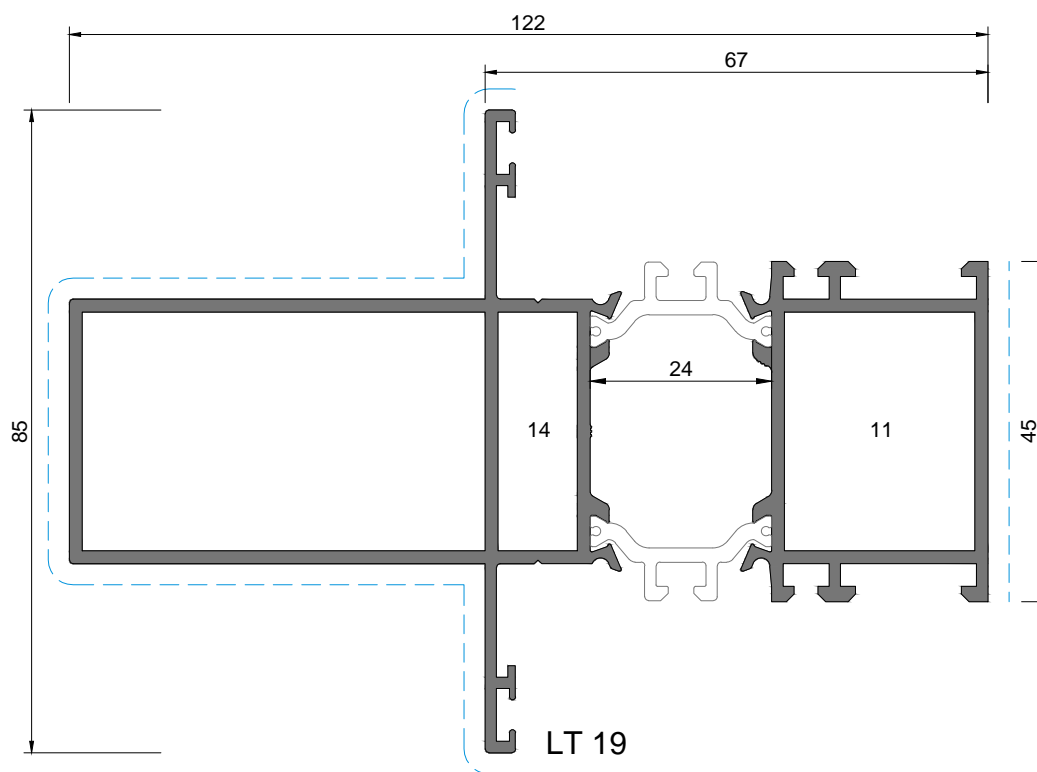
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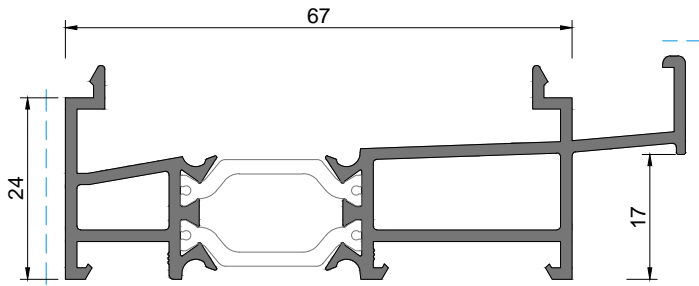
5- ESQ. 26-2537-140
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LT 55

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| 13 - U. SUP. TRAVESSA XP | 14 - U. SUP. TRAVESSA G | 15 - ESQ. LT1104 | | | |



LT 27



SA 33

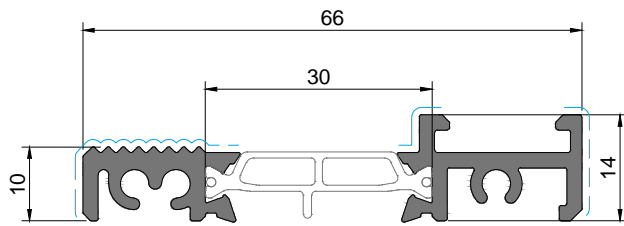


AT 33

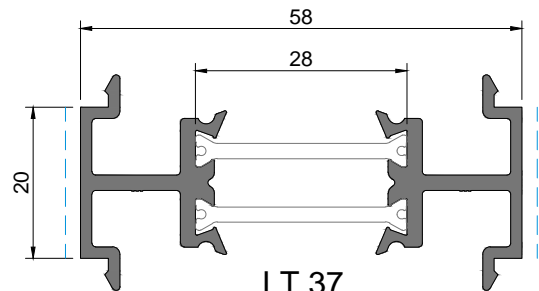
PERFIL EM POLIAMIDA - NÃO UTILIZAR EM FERRAGENS OSCILO-BATENTE E/OU OSCILO-PARALELA



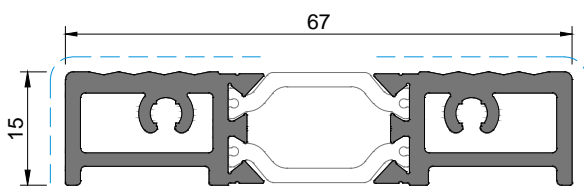
AT 30



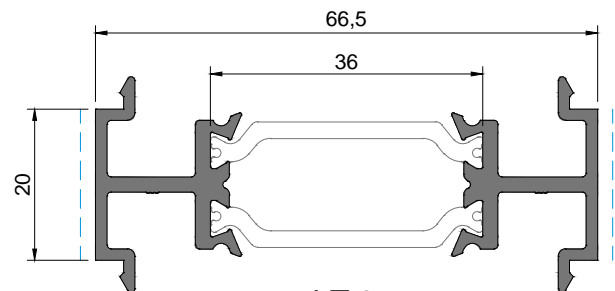
LT 34



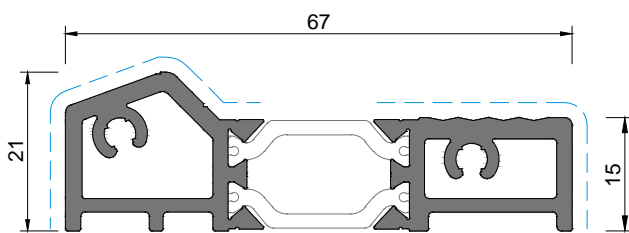
LT 37



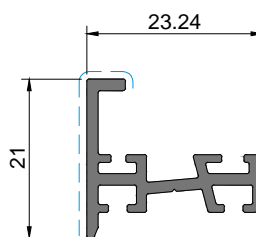
LT 49



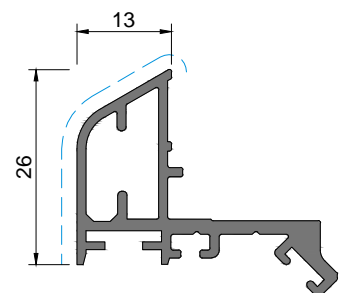
LT 35



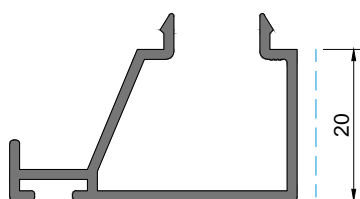
LT 50



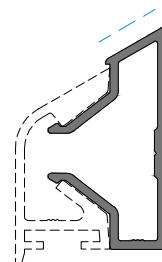
IT 33



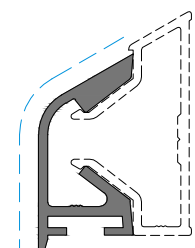
LT 32



AT 59



SA 31



SA 32

1- ESQ. 18-1130-C
7- ESQ. SA35 CORT. PEQ.
13 - U. SUP. TRAVESSA XP

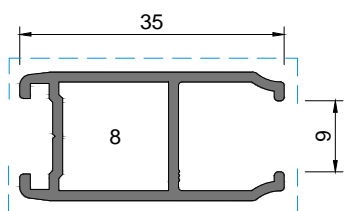
2- ESQUADRO AT E. G.
8- ESQ. 18-1414-C
14 - U. SUP. TRAVESSA G

3- ESQ. 18-1112-C
9 - CANTO CR0182+ PINO GR.
15 - ESQ. LT1104

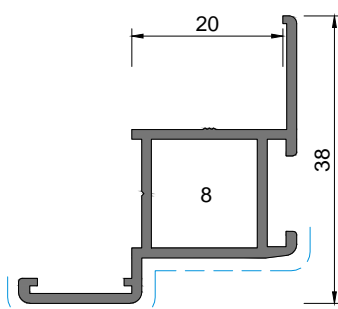
4- ESQ. AT E. P.
10- ESQ. 1108

5- ESQ. 26-2537-140
11 - UNIÃO T. SA2001G

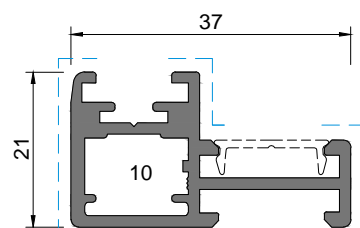
6- ESQ. 18-1135-C
12 - UNIÃO . SA2001XP



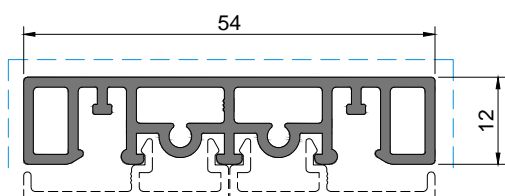
KY 70



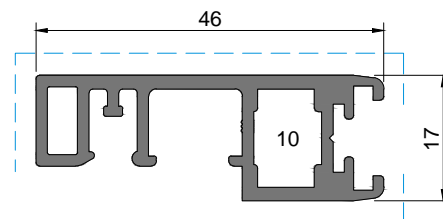
KY 69



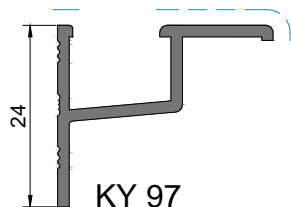
KY 84



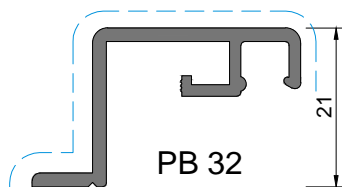
KY 89



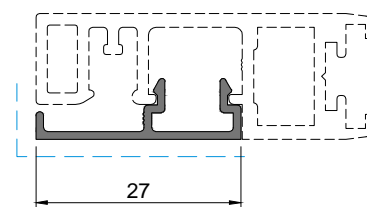
KY 86



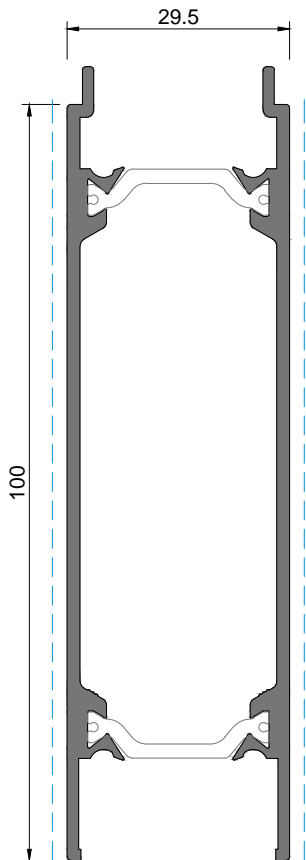
KY 97



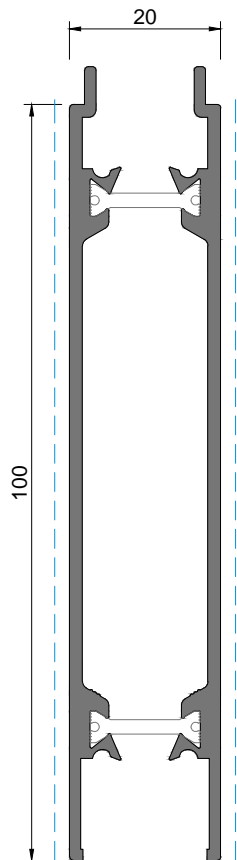
PB 32



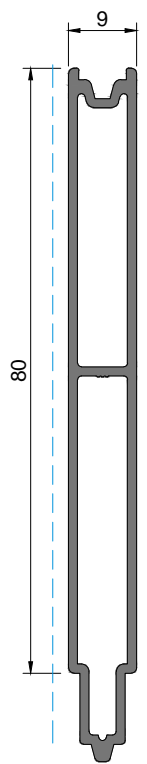
KY 87



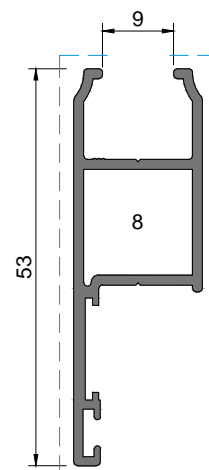
LT 16



AT 16



SB 64



SB 63

1- ESQ. 18-1130-C
7- ESQ. SA35 CORT. PEQ.
13- U. SUP. TRAVESSA XP

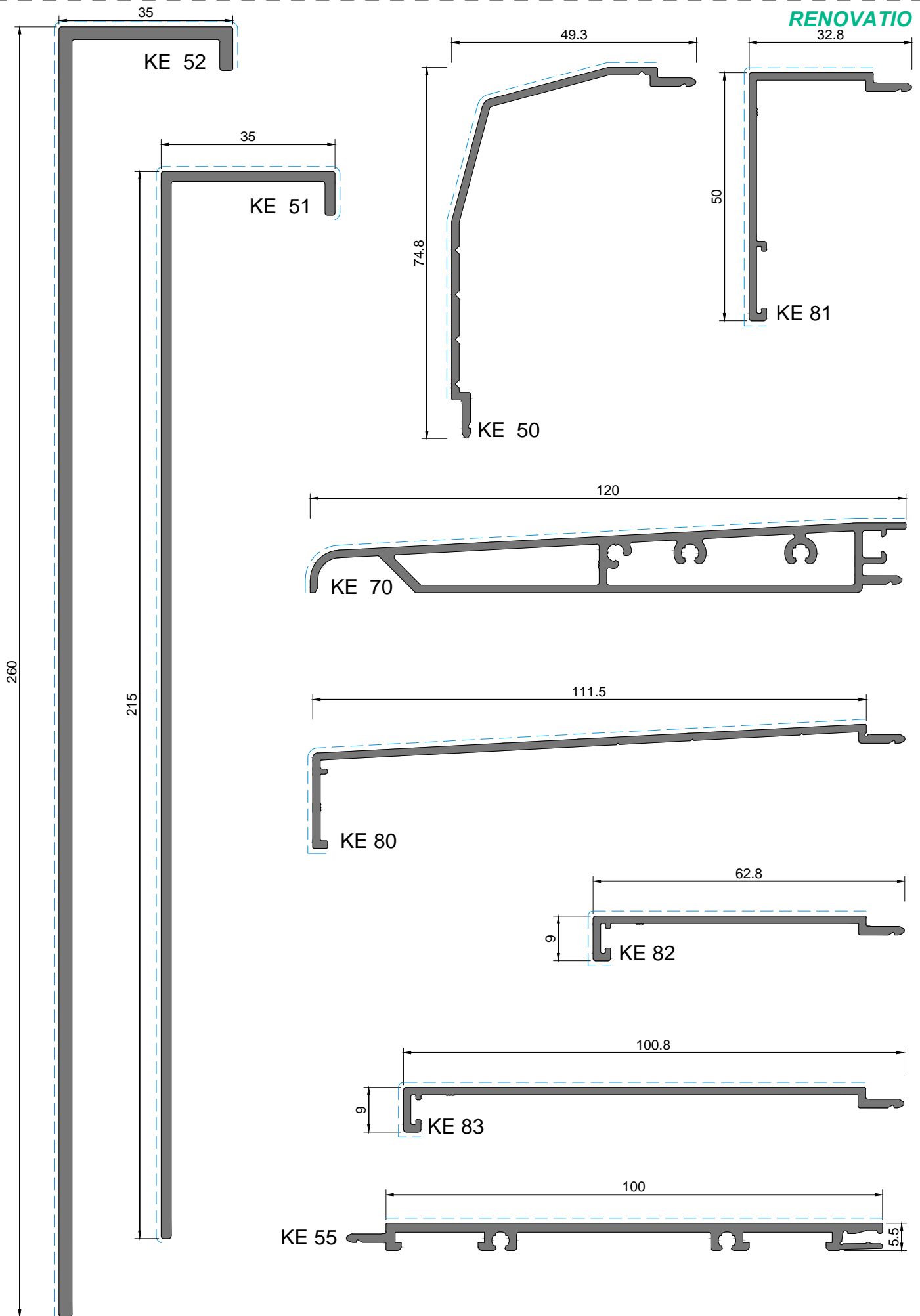
2- ESQUADRO AT E. G.
8- ESQ. 18-1414-C
14- U. SUP. TRAVESSA G

3- ESQ. 18-1112-C
9- CANTO CR0182+ PINO GR.
15- ESQ. LT1104

4- ESQ. AT E. P.
10- ESQ. 1108

5- ESQ. 26-2537-140
11- UNIÃO T. SA2001G

6- ESQ. 18-1135-C
12- UNIÃO . SA2001XP



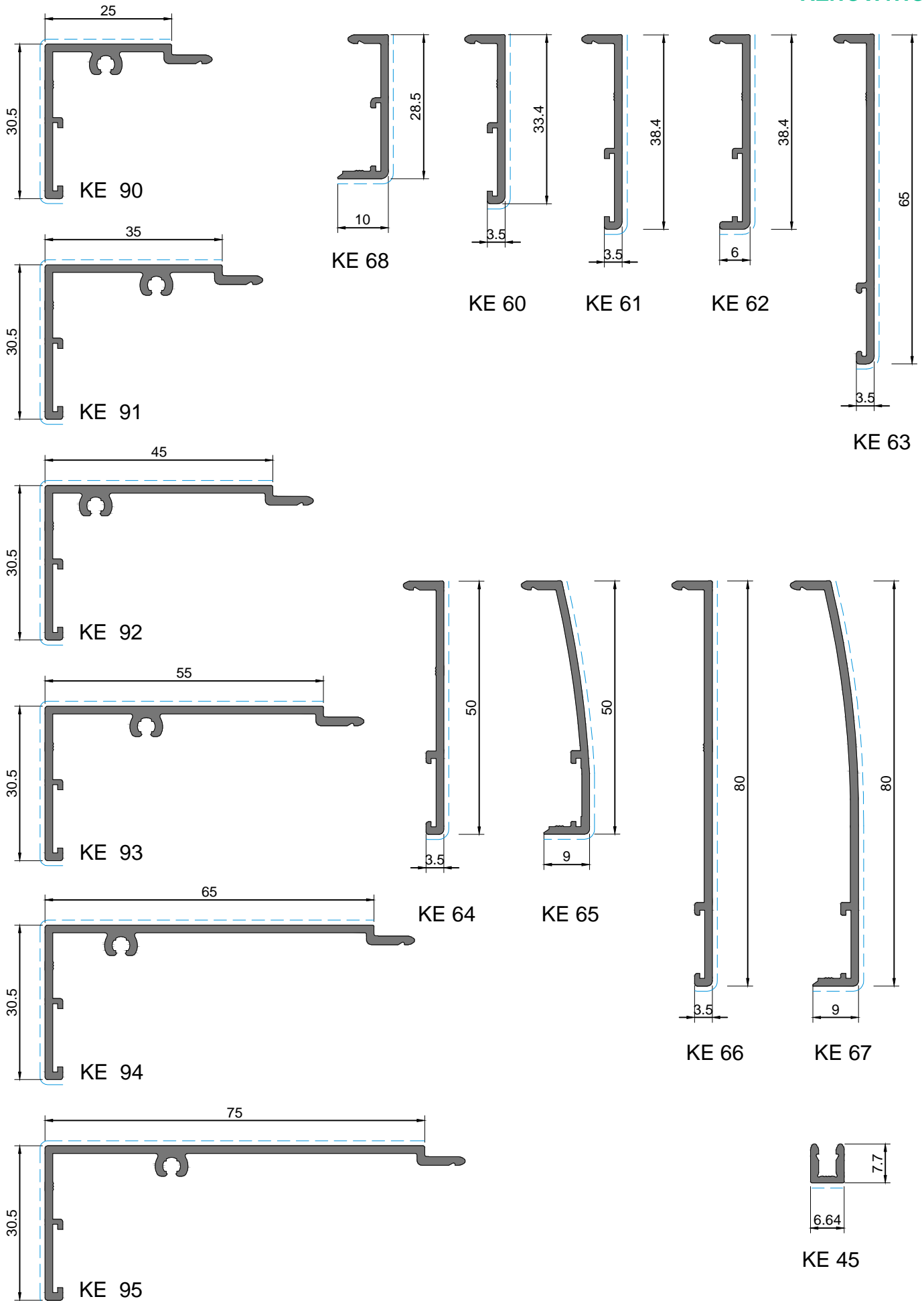
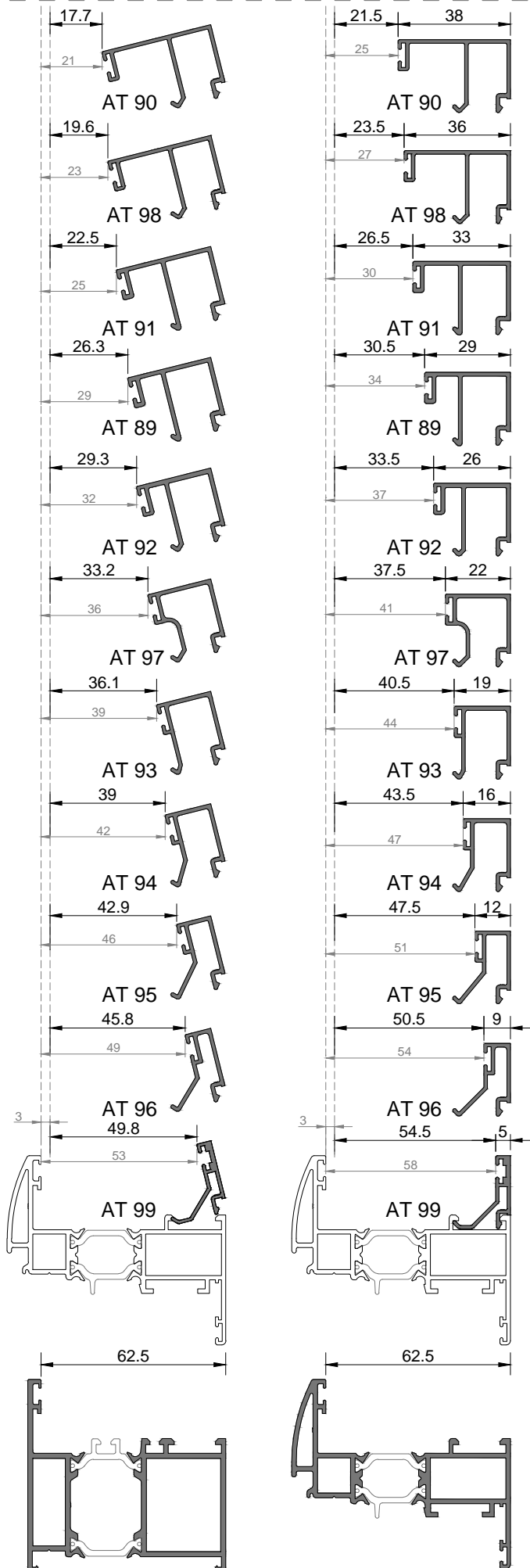


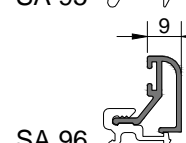
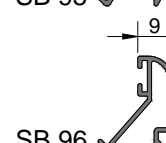
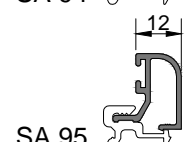
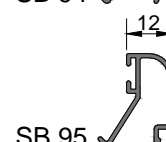
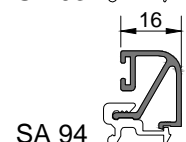
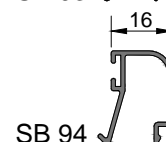
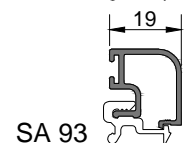
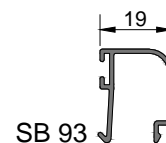
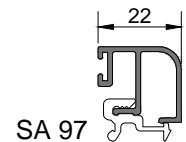
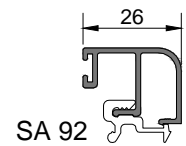
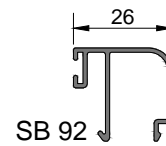
TABELA ORIENTATIVA



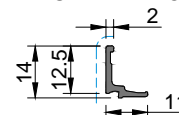
REF: 228165
MOLA EURO 2000 EM ACETAL PARA
APLICAR COM OS BITES COM REFª SA LACADOS



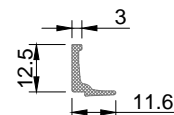
REF: 207202
PRESILHA SA 71 EM ALUMINIO PARA
APLICAR COM OS BITES COM REFª SA



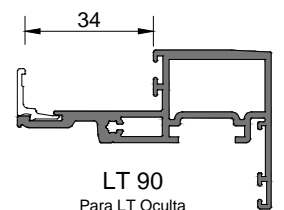
BITES PARA LT OCULTA



LT 95
Bite em alumínio
anodizado à cor AC 05



LT 905
Bite em poliamida
PRETO



LT 90
Para LT Oculta

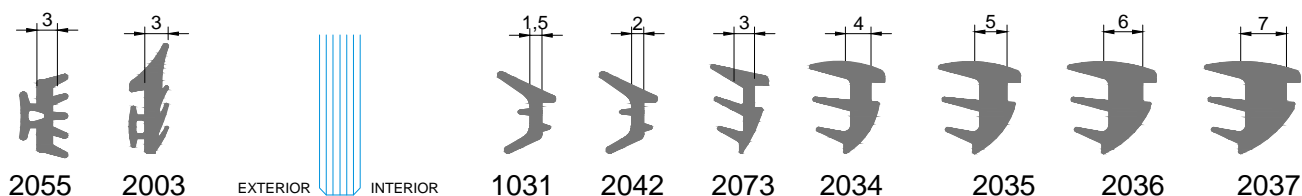


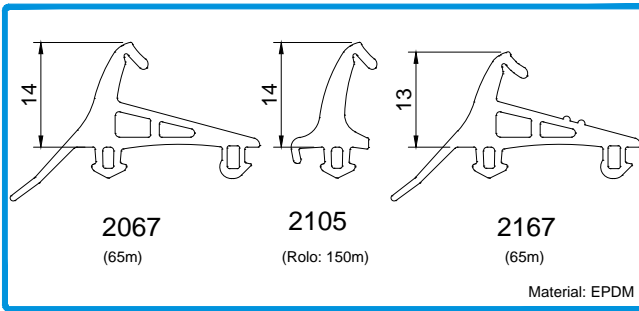
TABELA DE BITES

O Grupo Sosoares aconselha sempre a utilização do vedante VD 2003 pelo exterior

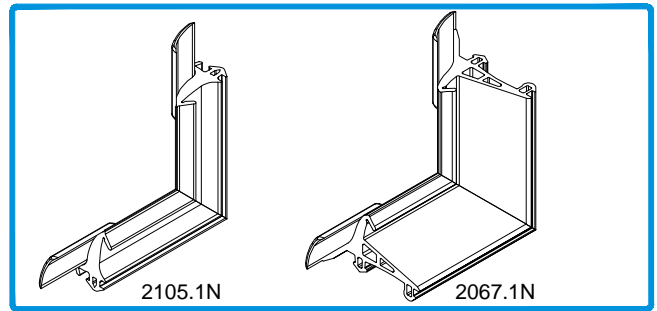
| JUNTA EXTERIOR | ESPESSURA ENCHIMENTO | JUNTA INTERIOR | BITES | |
|----------------|----------------------|----------------|-------|----------|
| | | | RETO | REDONDO |
| 2003 | 14 | 2037 | AT 90 | |
| 2003 | 15 | 2036 | AT 90 | |
| 2003 | 16 | 2035 | AT 90 | |
| 2003 | 17 | 2034 | AT 90 | |
| 2003 | 18 | 2035 | AT 98 | |
| 2003 | 19 | 2034 | AT 98 | |
| 2003 | 20 | 2036 | AT 91 | |
| 2003 | 21 | 2035 | AT 91 | |
| 2003 | 22 | 2034 | AT 91 | |
| 2003 | 23 | 2037 | AT 89 | |
| 2003 | 24 | 2036 | AT 89 | |
| 2003 | 25 | 2035 | AT 89 | |
| 2003 | 26 | 2034 | AT 89 | |
| 2003 | 27 | 2036 | AT 92 | SA/SB 92 |
| 2003 | 28 | 2035 | AT 92 | SA/SB 92 |
| 2003 | 29 | 2034 | AT 92 | SA/SB 92 |
| 2003 | 30 | 2037 | AT 97 | SA 97 |
| 2003 | 31 | 2036 | AT 97 | SA 97 |
| 2003 | 32 | 2035 | AT 97 | SA 97 |
| 2003 | 33 | 2034 | AT 97 | SA 97 |
| 2003 | 34 | 2036 | AT 93 | SA/SB 93 |
| 2003 | 35 | 2035 | AT 93 | SA/SB 93 |
| 2003 | 36 | 2034 | AT 93 | SA/SB 93 |
| 2003 | 37 | 2036 | AT 94 | SA/SB 94 |
| 2003 | 38 | 2035 | AT 94 | SA/SB 94 |
| 2003 | 39 | 2034 | AT 94 | SA/SB 94 |
| 2003 | 40 | 2037 | AT 95 | SA/SB 95 |
| 2003 | 41 | 2036 | AT 95 | SA/SB 95 |
| 2003 | 42 | 2035 | AT 95 | SA/SB 95 |
| 2003 | 43 | 2034 | AT 95 | SA/SB 95 |
| 2003 | 44 | 2036 | AT 96 | SA/SB 96 |
| 2003 | 45 | 2035 | AT 96 | SA/SB 96 |
| 2003 | 46 | 2034 | AT 96 | SA/SB 96 |
| 2003 | 47 | 2037 | AT 99 | ----- |
| 2003 | 48 | 2036 | AT 99 | ----- |
| 2003 | 49 | 2035 | AT 99 | ----- |
| 2003 | 50 | 2034 | AT 99 | ----- |

TABELA DE VEDANTES - LT Oculta

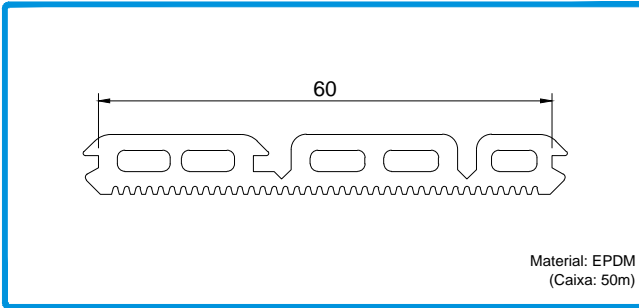
| VEDANTE EXTERIOR | ESPESSURA DO VIDRO | VEDANTE INTERIOR |
|------------------|--------------------|------------------|
| 2042 | 28 | 2055 |



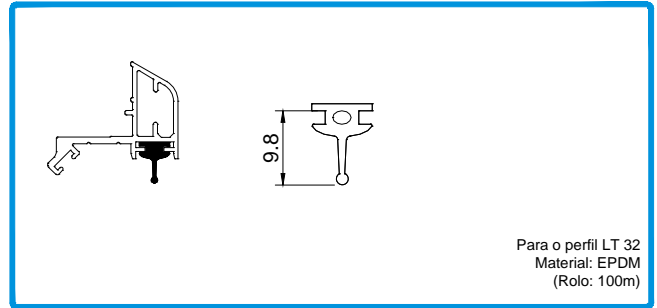
208486 JUNTA DE VEDAÇÃO CENTRAL 2105
 208491 JUNTA DE VEDAÇÃO CENTRAL 2067 PRT
 208137 JUNTA DE VEDAÇÃO CENTRAL 2167 PRT



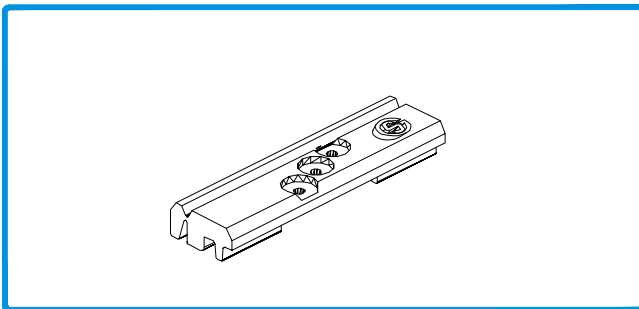
213290 CANTO VULCANIZADO 2105.1N
 213255 CANTO VULCANIZADO 2067.1N



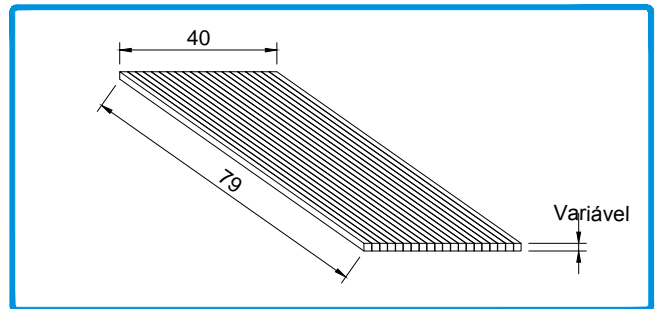
208152 JUNTA DE REMATE PAREDE 2069



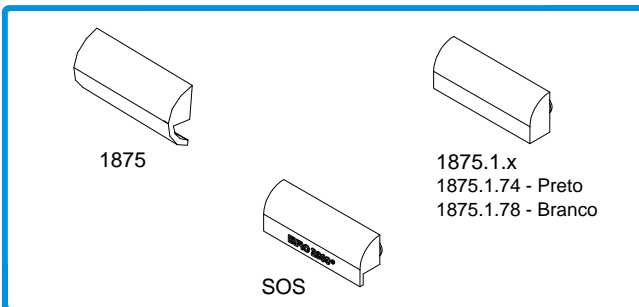
208246 JUNTA ENCAIXE 1140 PRT



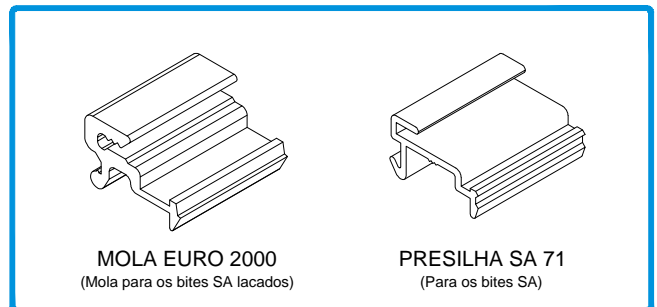
218194 CALÇO P/VIDRO EURO 2000 Nylon



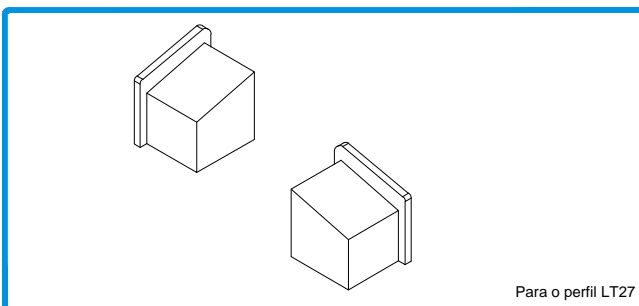
218113 CALÇO P/VIDRO 79x40x2 218111 CALÇO P/VIDRO 79x40x4
 218109 CALÇO P/VIDRO 79x40x3 218112 CALÇO P/VIDRO 79x49x5



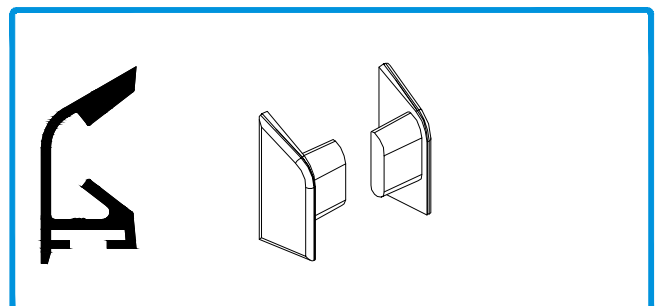
210154 GOTEIRA 1875 Br/Pr 210142 GOT. C/VÁLV. 1875.1.74
 210280 GOT. SOS C/VÁLV. Br 210144 GOT. C/VÁLV. 1875.1.78



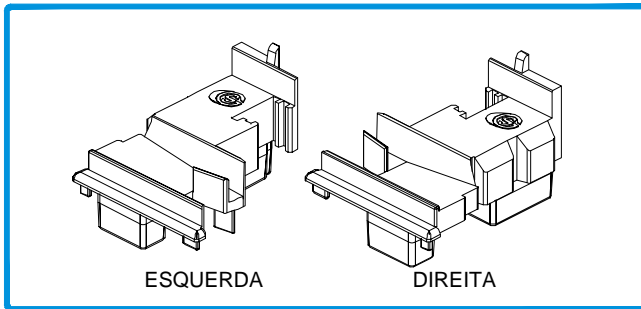
228165 MOLA EURO 2000
 207202 PRESILHA SA 71



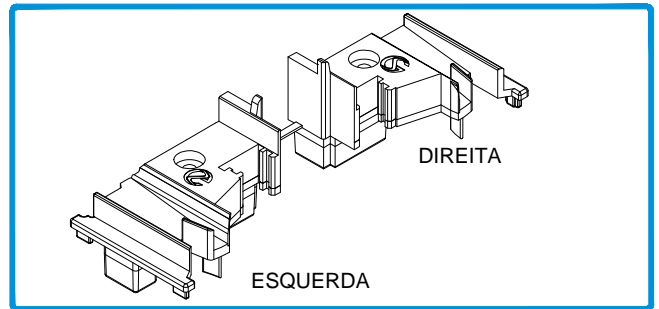
212366 CONJUNTO TOPO SOL 26 Pr



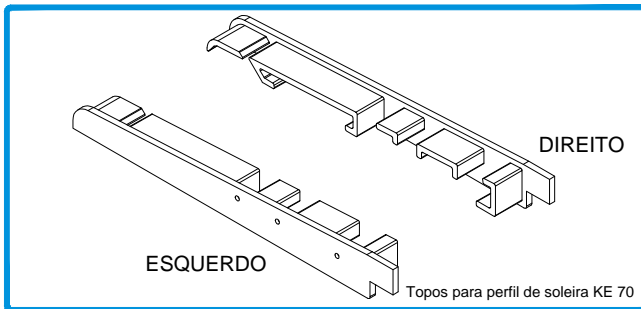
212346 CONJ. TAPA-TOPOS SA 32 Br/Pr



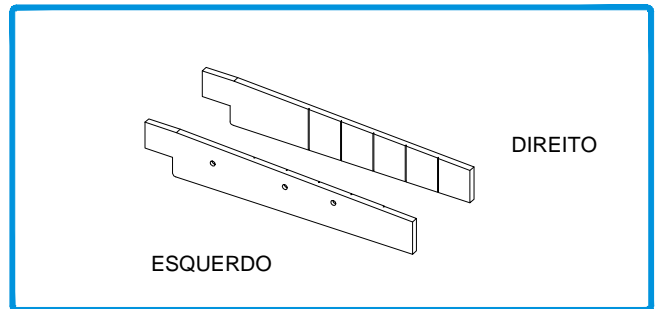
212014 CONJUNTO TOPO INVERSOR LT Preto



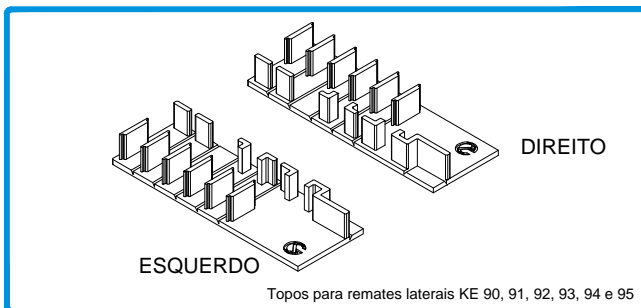
212057 CONJUNTO TOPO INVERSOR LT-OCULTA (Preto)



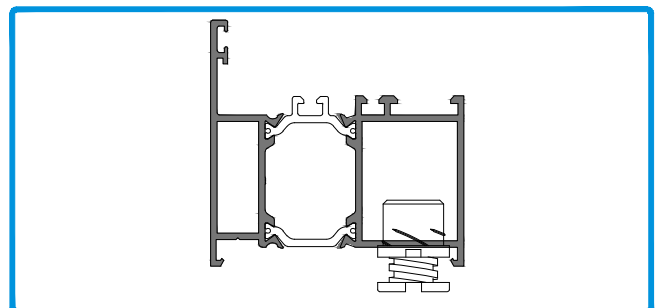
212222 CONJ. TAPA TOPOS KE 70



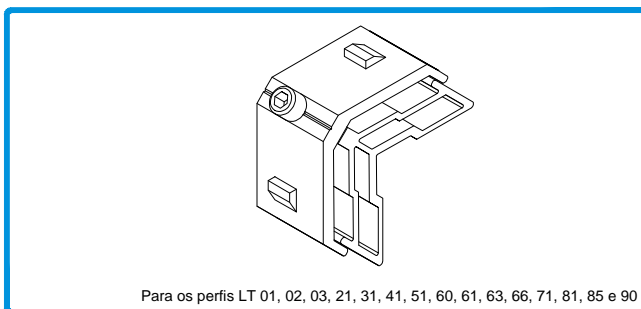
212226 CONJ. JUNTAS ADESIVAS P/TOPOS PERFIL SOLEIRA KE 70



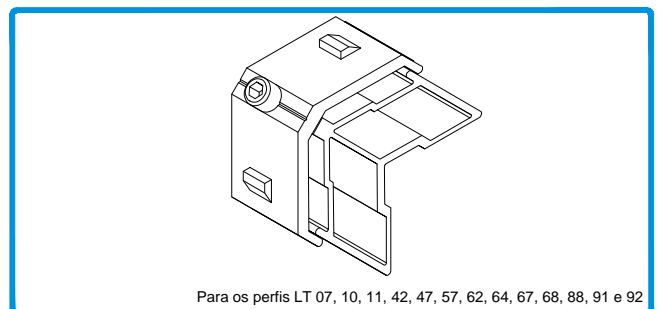
212223 CONJUNTO TOPOS INFERIORES RENOVAÇÃO



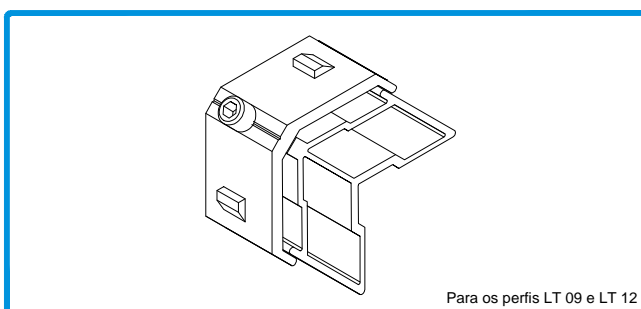
224205 NIVELADOR PEQUENO 600.01/8



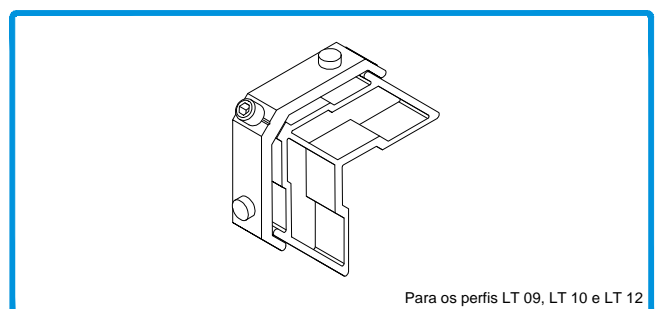
204728 ESQUADRO AT E. PEQUENO



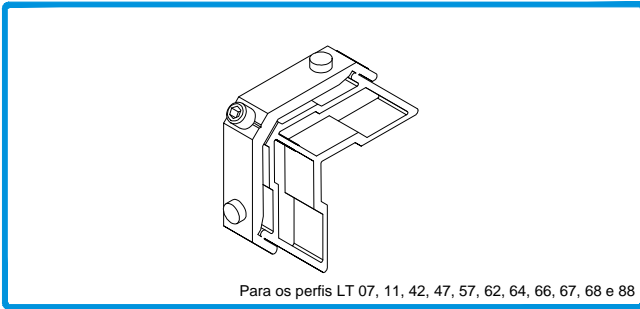
204730 ESQUADRO AT E. GRANDE



204010 ESQUADRO 26-2537-140



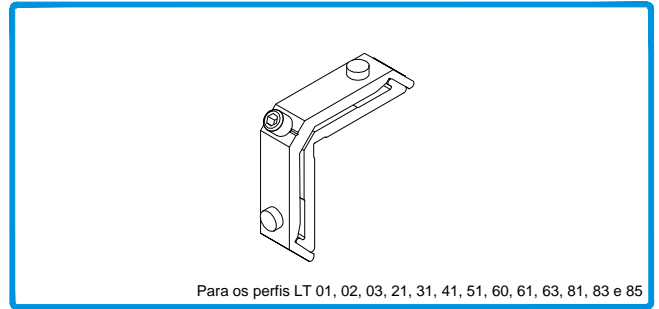
204902 ESQUADRO 18-1135-C



Para os perfis LT 07, 11, 42, 47, 57, 62, 64, 66, 67, 68 e 88

204009

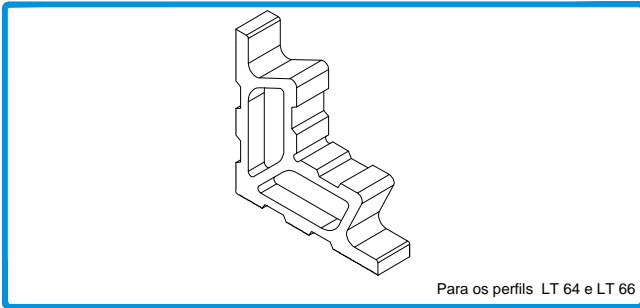
ESQUADRO 18-1130-C



Para os perfis LT 01, 02, 03, 21, 31, 41, 51, 60, 61, 63, 81, 83 e 85

204901

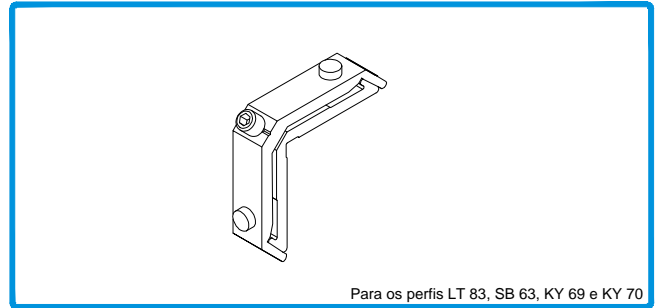
ESQUADRO 18-1112-C



Para os perfis LT 64 e LT 66

204257

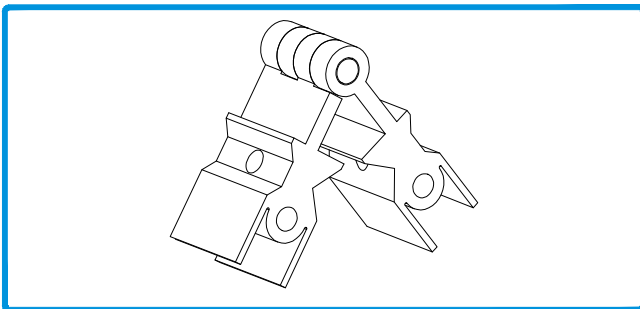
ESQUADRO SA 35 CORTADO PEQUENO



Para os perfis LT 83, SB 63, KY 69 e KY 70

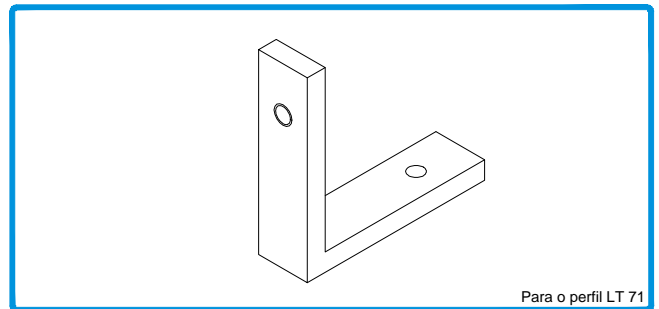
204029

ESQUADRO 18-1414 C



204306

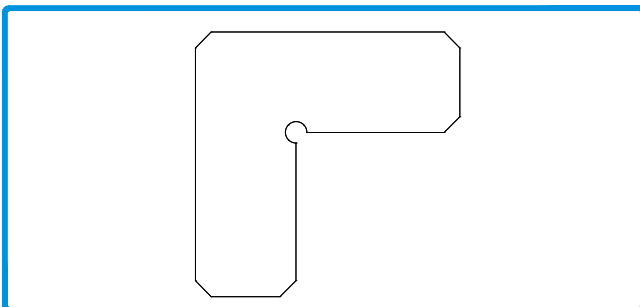
ESQUADRO GRADUÁVEL AT2100



Para o perfil LT 71

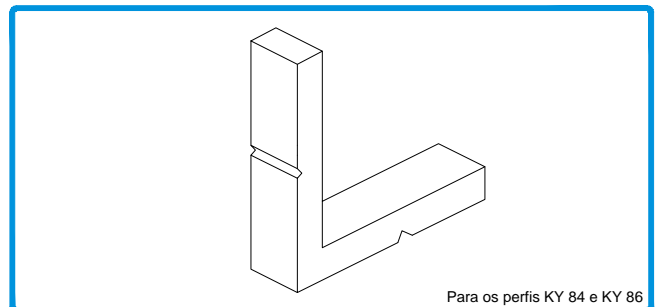
204163

ESQUADRO 1104



213246

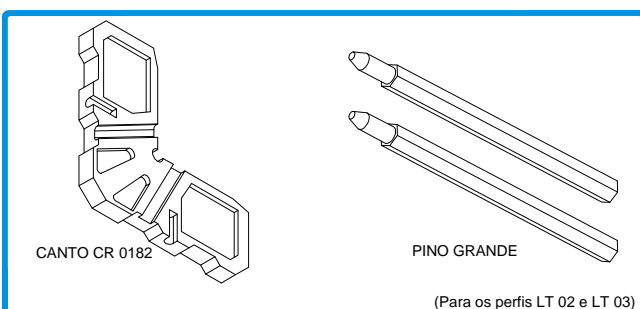
CANTO CR S/SB



Para os perfis KY 84 e KY 86

204380

ESQUADRO 1108



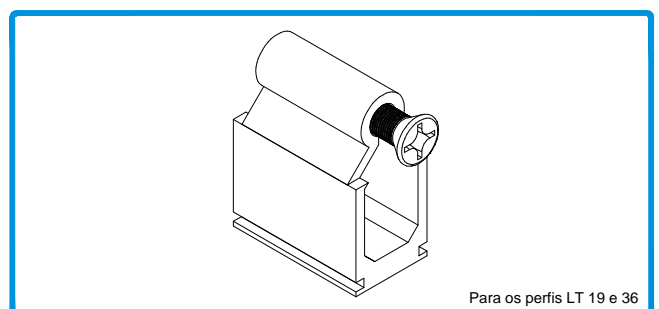
CANTO CR 0182

PINO GRANDE

(Para os perfis LT 02 e LT 03)

2132409

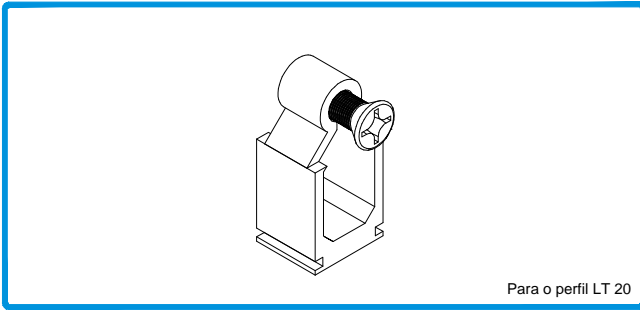
CANTO CR 0182 + PINOS GRANDES



Para os perfis LT 19 e 36

232116
290037

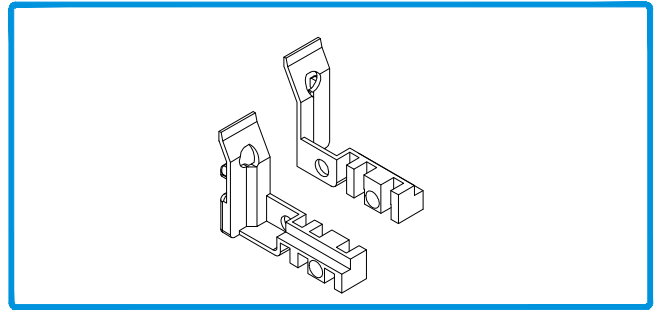
UNIÃO TRAVESSAS SA2001 G
PARAFUSO SUPLEMENTAR P/UNIÃO SA2001 G INOX



232119

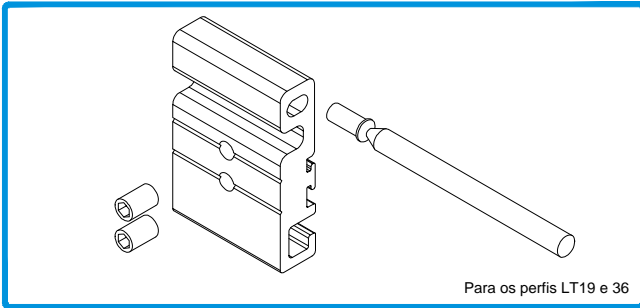
UNIÃO TRAVESSAS SA2001 XP

Para o perfil LT 20



212224

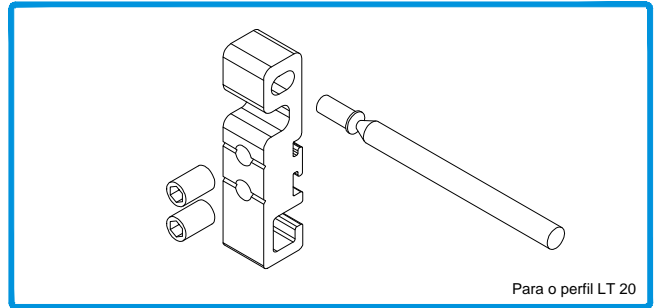
CONJ. TOPOS ALINHAMENTO P/ TRAVESSAS LT



232106

UNIÃO SUPLEMENTAR DE TRAVESSA G

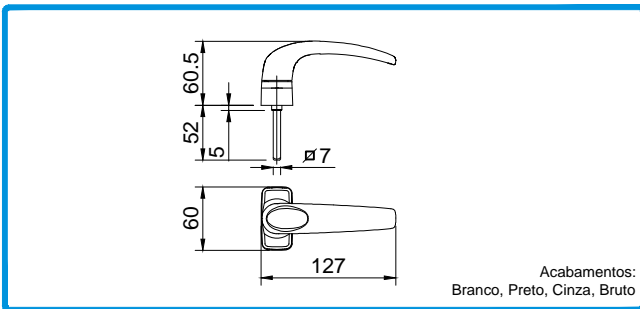
Para os perfis LT 19 e 36



232107

UNIÃO SUPLEMENTAR DE TRAVESSA XP

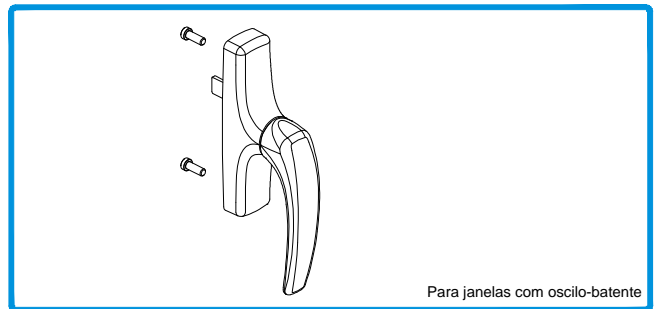
Para o perfil LT 20



200052

PUXADOR SIMPLES 874.4/7

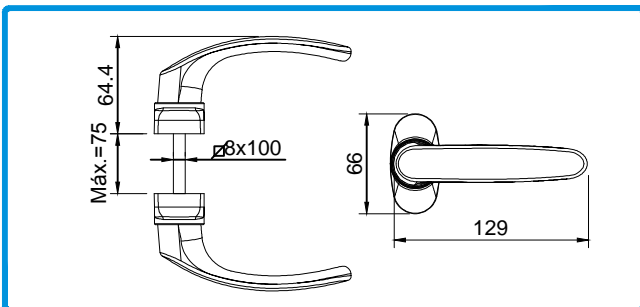
Acabamentos:
Branco, Preto, Cinza, Bruto



200171

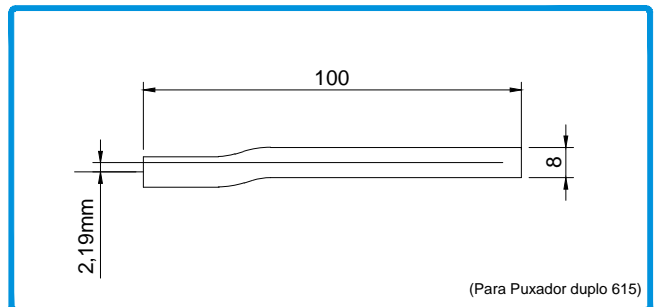
Para janelas com oscilo-batente

CREMONE ARIANA 868.2



200920

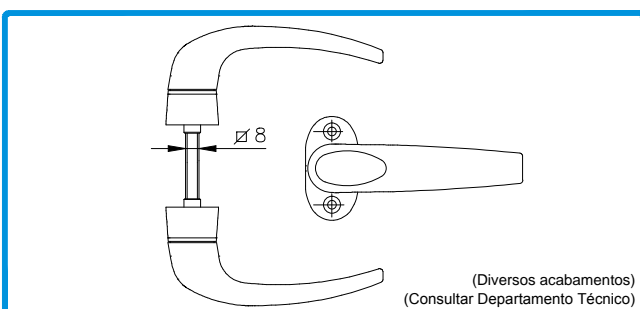
PUXADOR DUPLO 615



227302

QUADRA DESCENTRADA 130mm

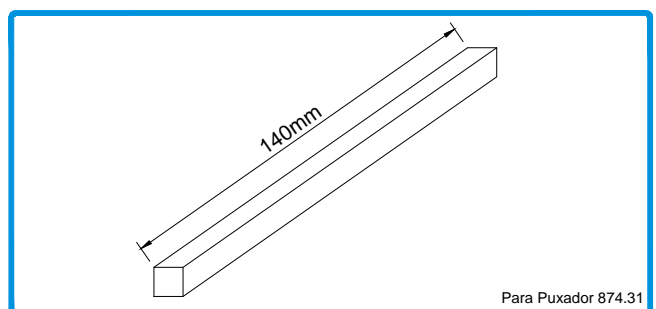
(Para Puxador duplo 615)



200028

PUXADOR DUPLO 874.31

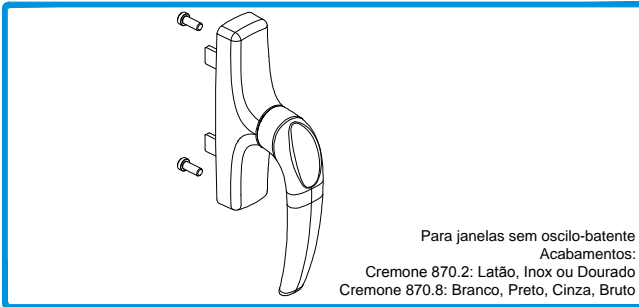
(Diversos acabamentos)
(Consultar Departamento Técnico)



227301

QUADRA AÇO 8mm x 140

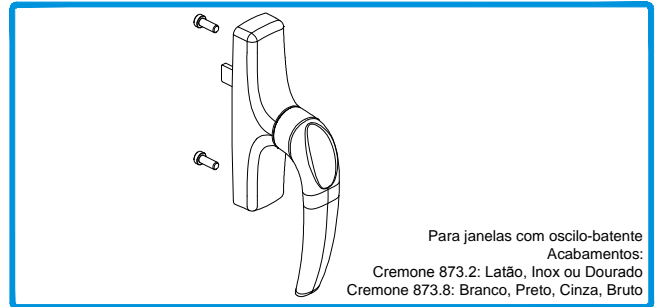
Para Puxador 874.31



Para janelas sem oscilo-batente
Acabamentos:
Cremones 870.2: Latão, Inox ou Dourado
Cremones 870.8: Branco, Preto, Cinza, Bruto

200302
200173

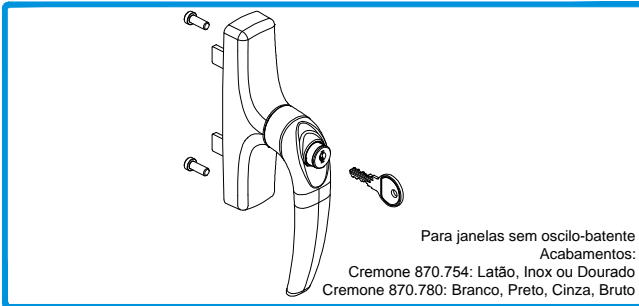
CREMONE MANON 870.2
CREMONE MANON 870.8



Para janelas com oscilo-batente
Acabamentos:
Cremones 873.2: Latão, Inox ou Dourado
Cremones 873.8: Branco, Preto, Cinza, Bruto

200315
200174

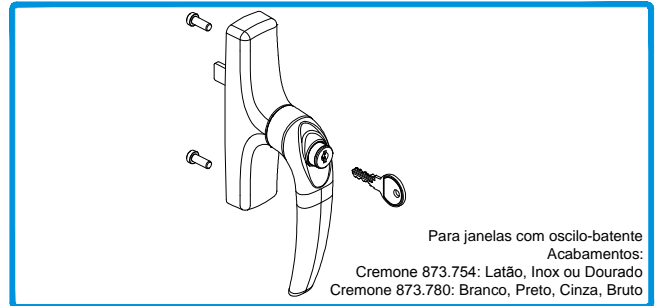
CREMONE MANON 873.2
CREMONE MANON 873.8



Para janelas sem oscilo-batente
Acabamentos:
Cremones 870.754: Latão, Inox ou Dourado
Cremones 870.780: Branco, Preto, Cinza, Bruto

200215
200175

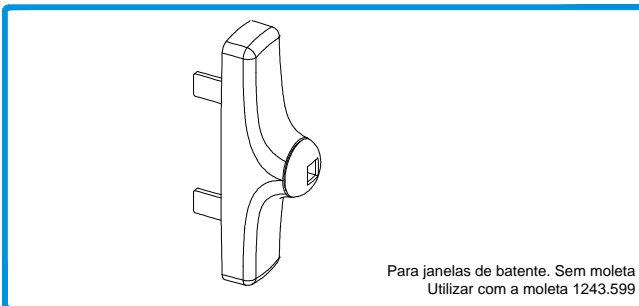
CREMONE MANON 870.754
CREMONE MANON 870.780



Para janelas com oscilo-batente
Acabamentos:
Cremones 873.754: Latão, Inox ou Dourado
Cremones 873.780: Branco, Preto, Cinza, Bruto

200969
200176

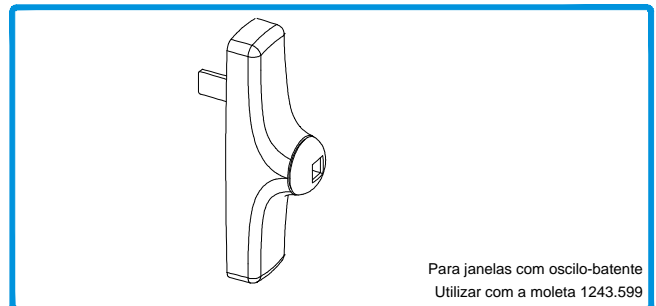
CREMONE MANON 873.754
CREMONE MANON 873.780



Para janelas de batente. Sem moleta
Utilizar com a moleta 1243.599

200974

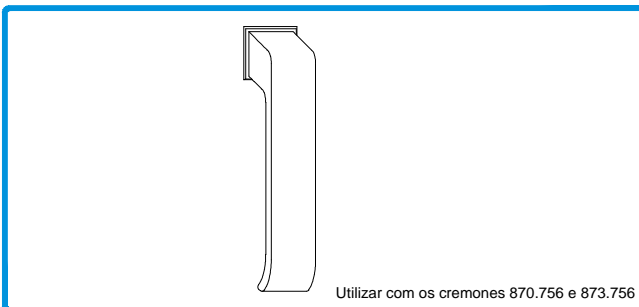
CREMONE S/ MOLETA 870.756 Preto



Para janelas com oscilo-batente
Utilizar com a moleta 1243.599

200406

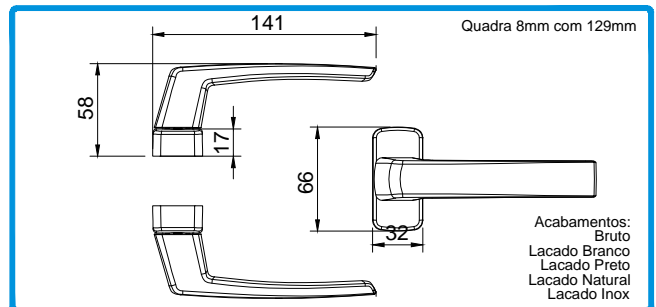
CREMONE P/OSCILO-BATENTE S/MOLETA 873.756 Preto



Utilizar com os cremones 870.756 e 873.756

211310

MOLETA CREM. 1243.599 Preto

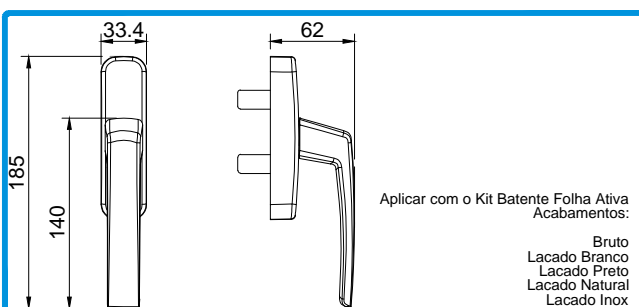


Quadra 8mm com 129mm

Acabamentos:
Bruto
Lacado Branco
Lacado Preto
Lacado Natural
Lacado Inox

200792

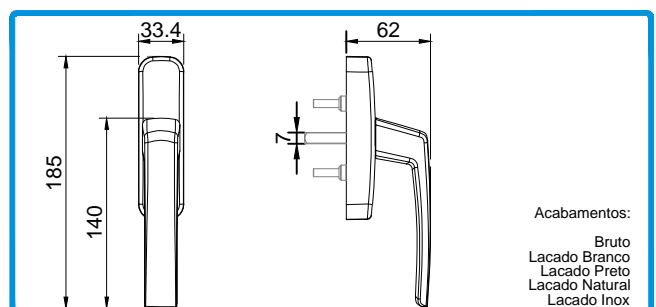
PUXADOR DE PORTA DUPLO CUBIC



Aplicar com o Kit Batente Folha Ativa
Acabamentos:
Bruto
Lacado Branco
Lacado Preto
Lacado Natural
Lacado Inox

200508

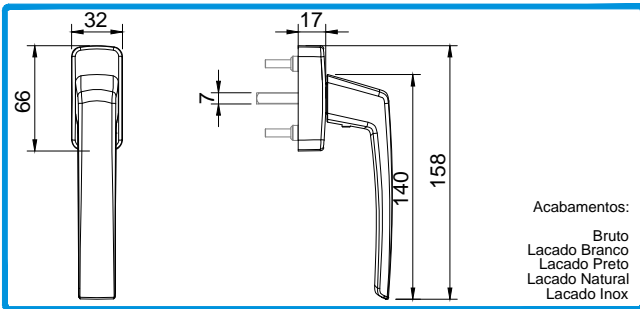
CREMONE BATENTE CUBIC



Acabamentos:
Bruto
Lacado Branco
Lacado Preto
Lacado Natural
Lacado Inox

200509

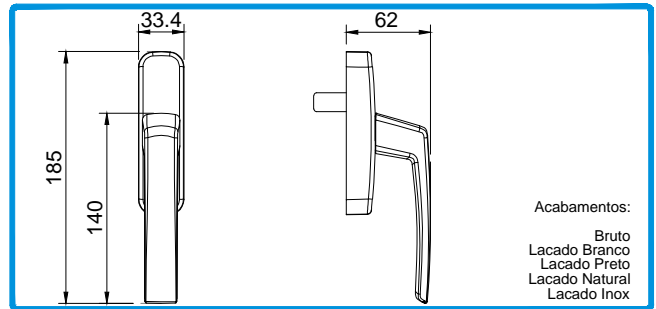
CREMONE DE QUADRA CUBIC



200793

MANETE DE QUADRA CUBIC

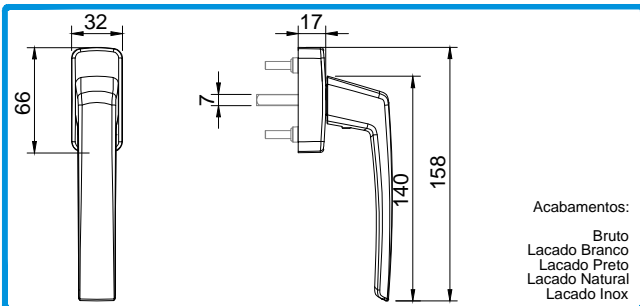
Acabamentos:
Bruto
Lacado Branco
Lacado Preto
Lacado Natural
Lacado Inox



200507

CREMONE OSCILO-BATENTE CUBIC

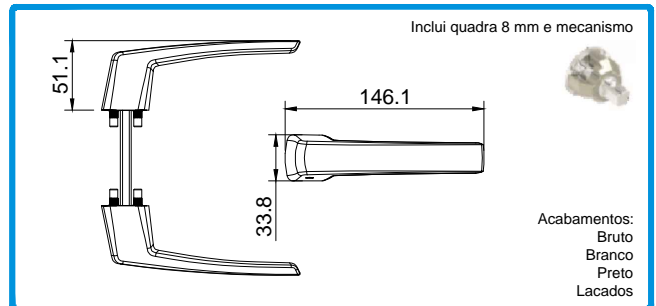
Acabamentos:
Bruto
Lacado Branco
Lacado Preto
Lacado Natural
Lacado Inox



200794

MANETE DE QUADRA DE SEGURANÇA CUBIC

Acabamentos:
Bruto
Lacado Branco
Lacado Preto
Lacado Natural
Lacado Inox

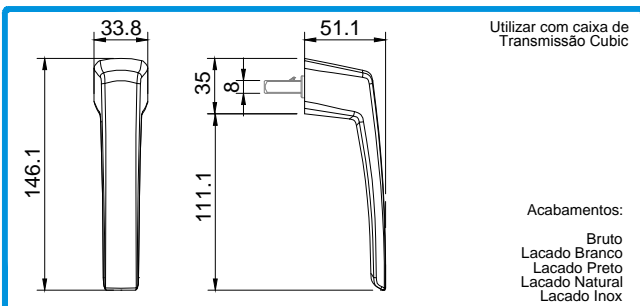


200849

PUXADOR DE PORTA MINIMALISTA CUBIC

Inclui quadra 8 mm e mecanismo

Acabamentos:
Bruto
Branco
Preto
Lacados

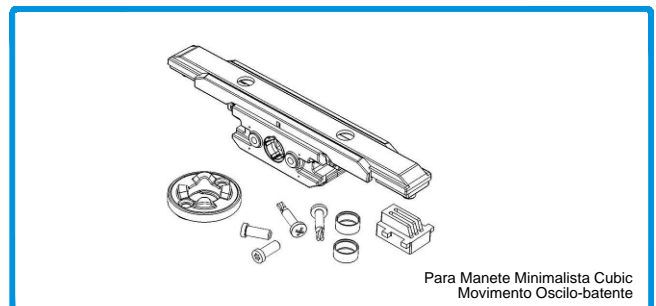


200798

MANETE MINIMALISTA CUBIC

Utilizar com caixa de Transmissão Cubic

Acabamentos:
Bruto
Lacado Branco
Lacado Preto
Lacado Natural
Lacado Inox



203017

CAIXA TRANSMISSÃO PARA MANETE MINIMALISTA CUBIC + MECANISMO BASE

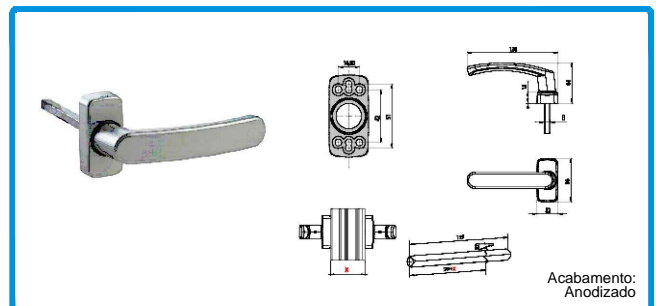
Para Manete Minimalista Cubic Movimento Oscilo-batente



223566

KIT BATENTE FOLHA ATIVA

Aplicar com cremone batente CUBIC



200990

PUXADOR PORTA SIMPLES ANODIZADO

Acabamento:
Anodizado



200633

PUXADOR DUPLO ANODIZADO

Acabamento:
Anodizado

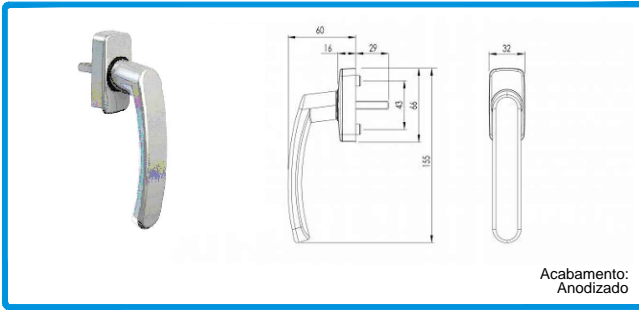
Quadra 8mm



200317

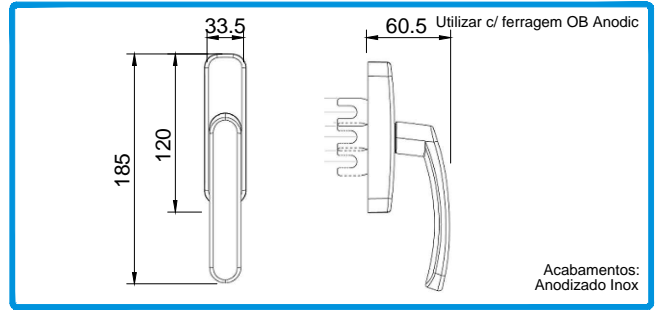
CREMONE BATENTE ANODIZADA

Acabamento:
Anodizado



200803 MANETE DE QUADRA DE SEGURANÇA ANODIZADA

Acabamento:
Anodizado



200510 CREMONE ANODIZADA

Acabamentos:
Anodizado Inox



223443 KIT OSC-BATENTE BASE ESQUERDO ANODIC (FI) (S/cremone)

Utilizar com Cremone Anodizada



223442 KIT OSC-BATENTE BASE DIREITO ANODIC (FI) (S/cremone)

Utilizar com Cremone Anodizada



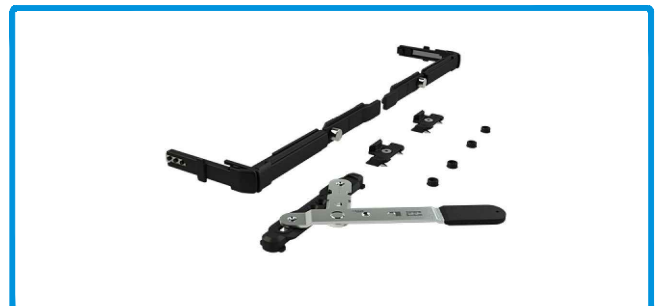
212214 CONJUNTO DOBRADIÇA O.B. 2º FOLHA ESQ. ANODIC



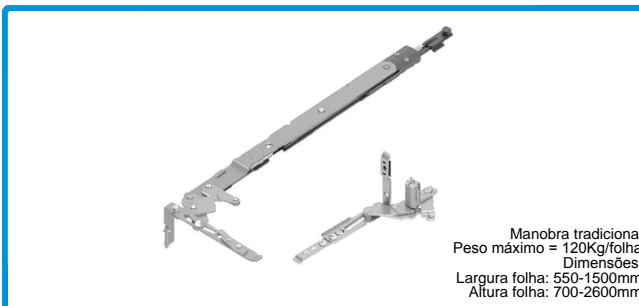
212213 CONJUNTO DOBRADIÇA O.B. 2º FOLHA DIR. ANODIC



212217 CONJUNTO FECHO 2ª FOLHA ALAVANCA



212216 CONJUNTO FECHO 2ª FOLHA BI-DIRECIONAL C/ ÂNGULOS REENVIO



223067 KIT OSCILO OCULTO 180º ESQ
223068 KIT OSCILO OCULTO 180º DIR

Manobra tradicional
Peso máximo = 120kg/folha
Dimensões
Largura folha: 550-1500mm
Altura folha: 700-2600mm



212215 CONJUNTO FECHO 2ª FOLHA ALAVANCA BI-DIRECIONAL



Manobra tradicional
Peso máximo = 120Kg/folha
Dimensões
Largura folha: 550-1500mm
Altura folha: 700-2600mm

223069
223070

KIT DOB. OCULTAS OSCILO 2ª FOLHA ESQ
KIT DOB. OCULTAS OSCILO 2ª FOLHA DIR



Peso máximo = 100Kg/folha
Dimensões
Largura folha: 1200mm
Altura folha: 2500mm

223071

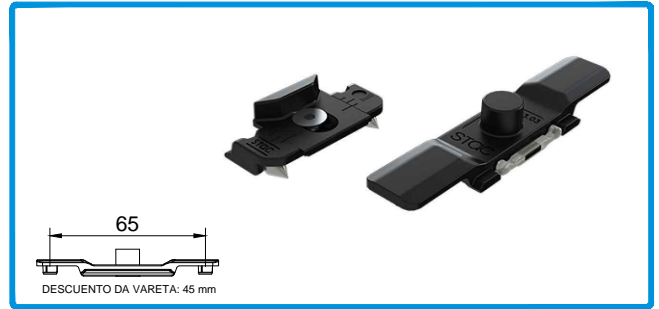
KIT BASCULANTE DOBRADIÇAS OCULTAS



Dimensões:
Largura folha: 890-1500mm
Altura folha: 700-2600mm

202513

COMPASSO SUPLEMENTAR 130301



223467

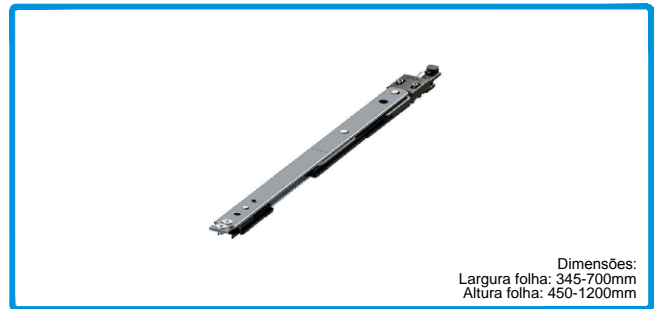
KIT PONTO DE FECHO SUPLEMENTAR 113003C



Aplicar em folhas com:
Largura folha > 1200mm
Altura > 1200mm

223468

KIT ÂNGULO REENVIO SUPLEMENTAR 111700C



Dimensões:
Largura folha: 345-700mm
Altura folha: 450-1200mm

202512

COMPASSO OSCILO MICRO 110309



Dimensões:
Largura folha: 442-750mm
Altura folha: 500-2400mm

202503

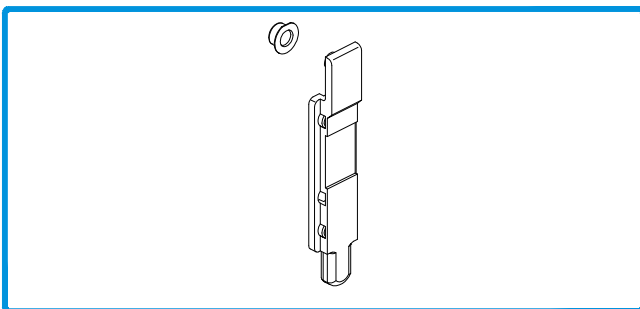
COMPASSO OSCILO PEQUENO 110302



Dimensões:
Largura folha: 570-1200mm
Altura folha: 700-2400mm

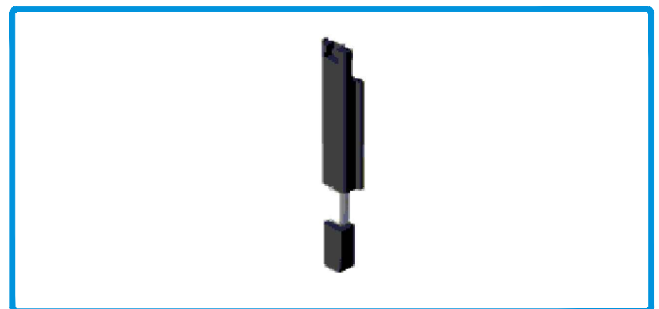
202501

COMPASSO OSCILO GRANDE 110301



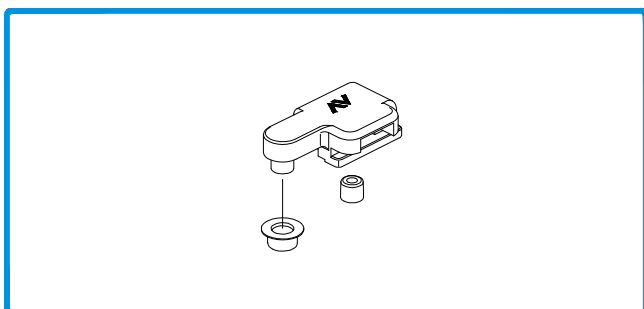
206490

TERMINAL VARETA 1486

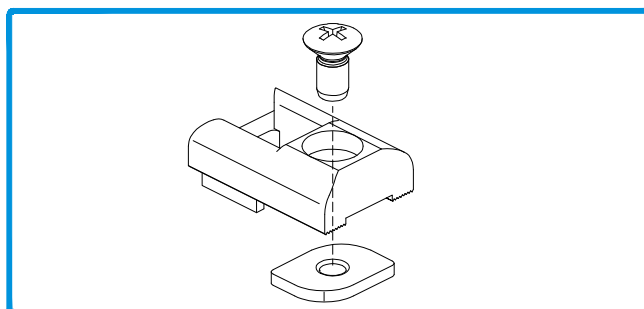


206500

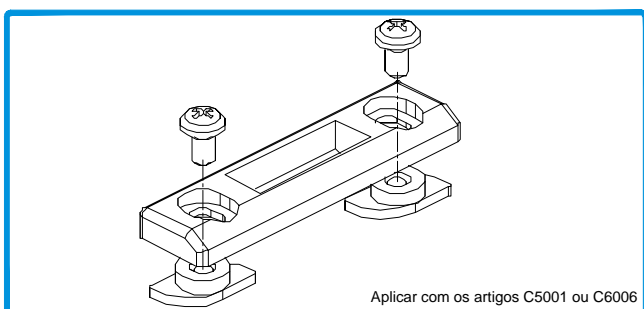
TERMINAL VARETA 2000



215114 PEÇA CREMONE VARETA 1481



202077 CONTRA-FECHO 1404

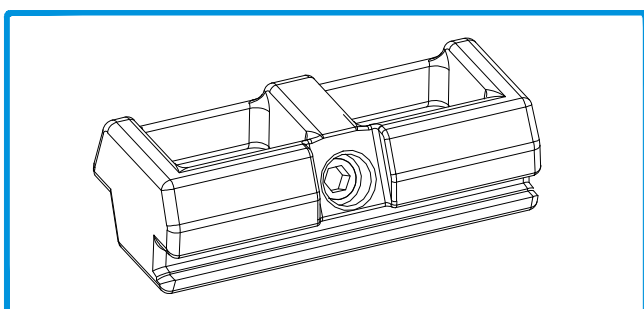


202310 CONTRA-FECHO DUPLO REGULÁVEL 2020

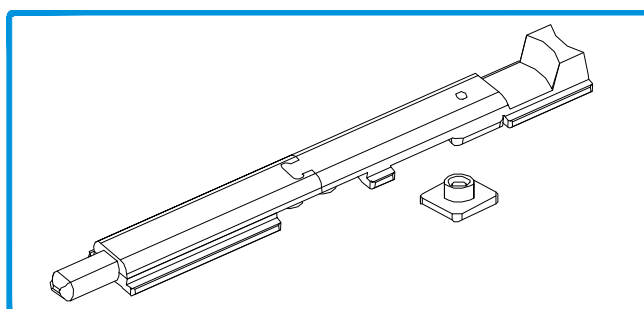
Aplicar com os artigos C5001 ou C6006



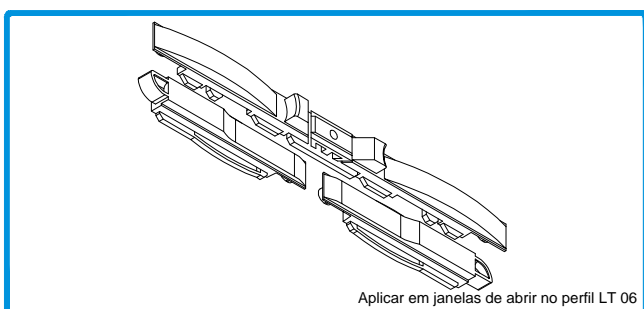
202090 CONTRA-FECHO DUPLO 1416.6



202091 CONTRA-FECHO DUPLO REGULÁVEL 1414

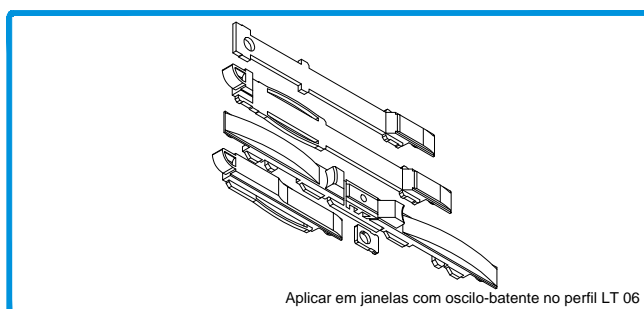


201490 FECHO PARA 2ª FOLHA 1541



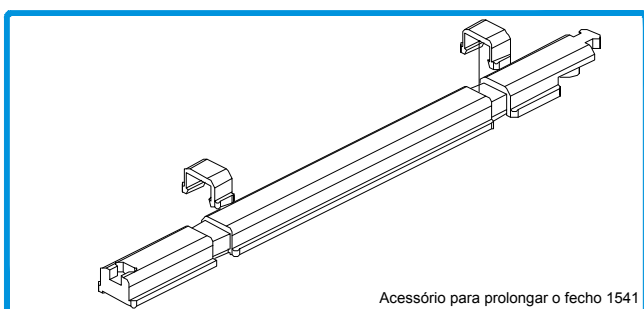
201507 FECHO SEMI-AUTO PARA 2ª FOLHA C5001

Aplicar em janelas de abrir no perfil LT 06



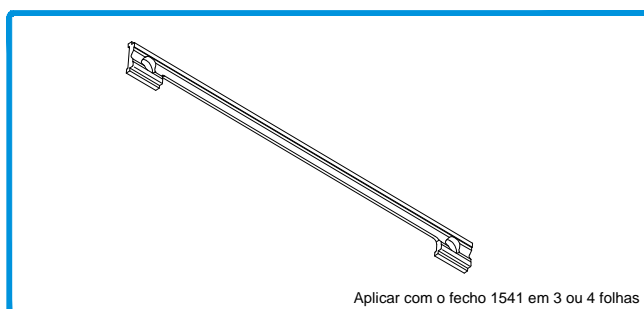
201030 FECHO SEMI-AUTO PARA 2ªF C/O-B C6006

Aplicar em janelas com oscilo-batente no perfil LT 06



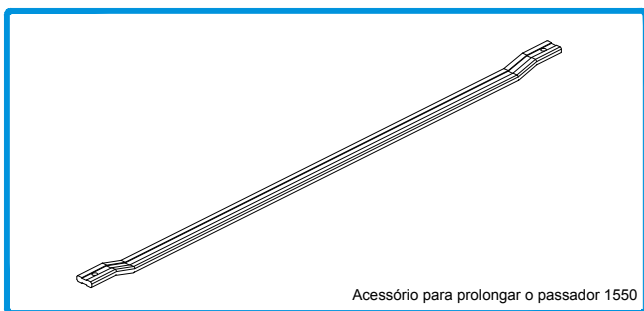
401001 ALONGAMENTO 1541.800

Acessório para prolongar o fecho 1541



214280 VARETA 1541.820

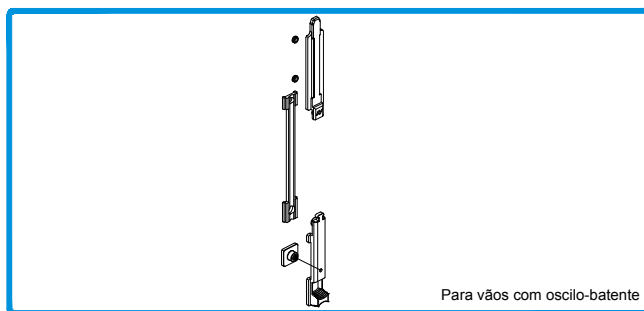
Aplicar com o fecho 1541 em 3 ou 4 folhas



221154

Acessório para prolongar o passador 1550

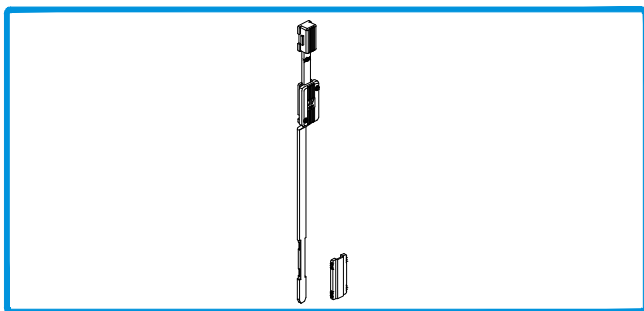
HASTE FECHO 1550.801



225130

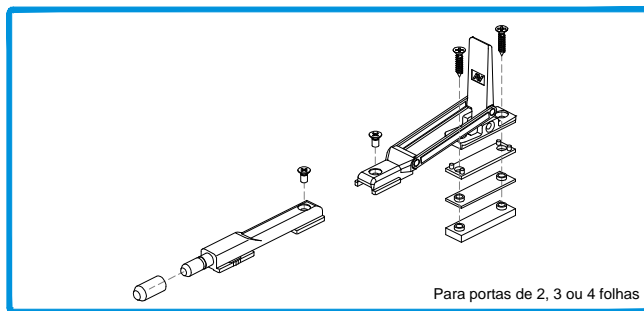
Para vãos com oscilo-batente

PASSADOR 3000.854



225205

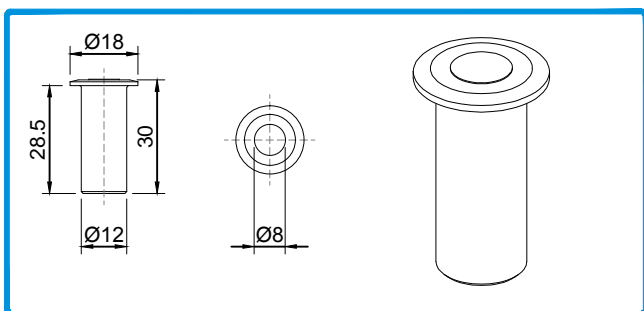
PASSADOR PARA 2ª FOLHA 1545.2



225155

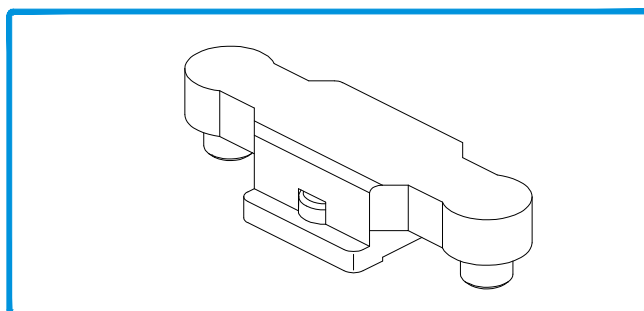
Para portas de 2, 3 ou 4 folhas

PASSADOR REVERSÍVEL 1550



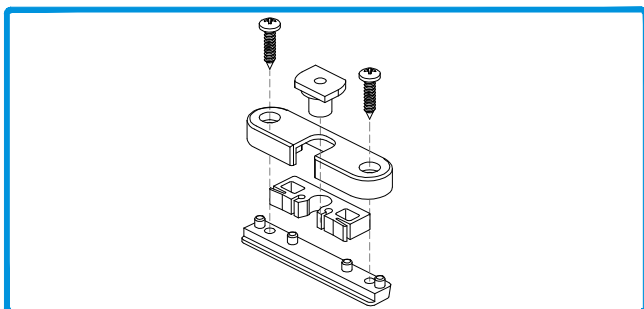
211103

PONTO FECHO PAVIMENTO 1409/8



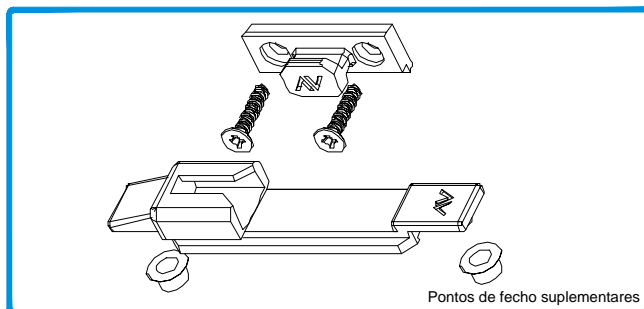
201463

FECHO LATERAL 1243.710



218206

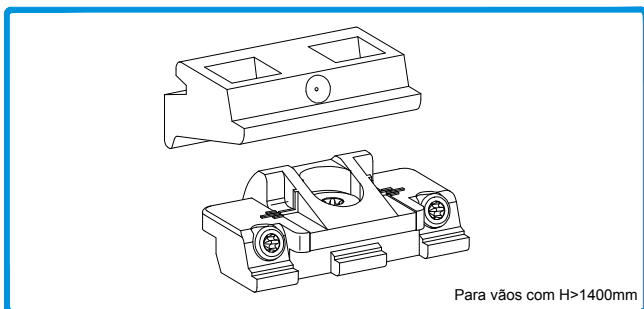
CLIQUE DE RETENÇÃO 1468



201363

FECHOS ANTI-ARROMBAMENTO 1246.835

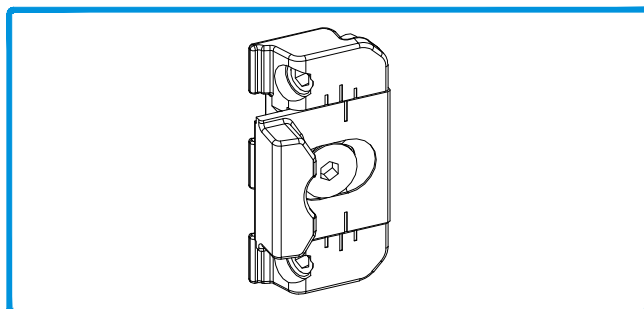
Pontos de fecho suplementares



201537

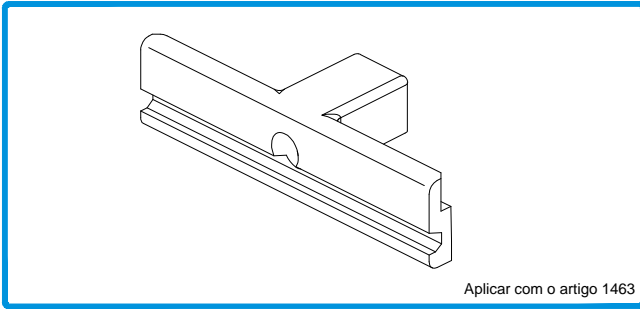
FECHO SUPLEMENTAR 1246.832

Para vãos com H>1400mm



202075

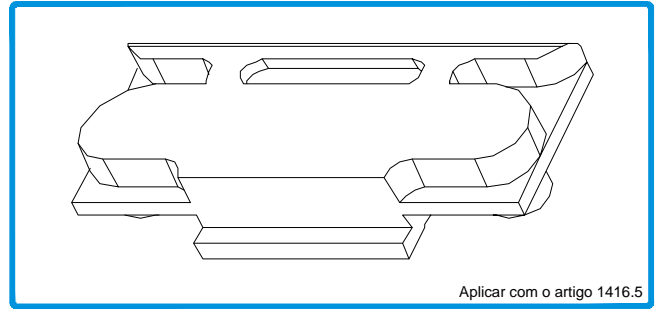
CONTRA-FECHO 1243.721



Aplicar com o artigo 1463

202089

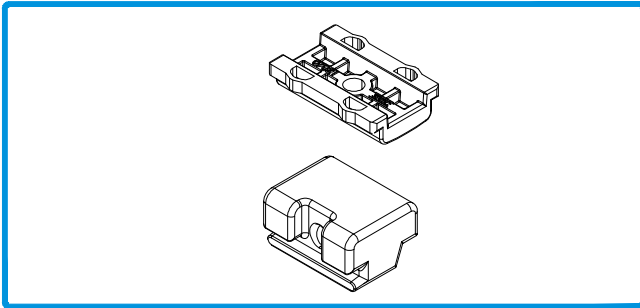
CONTRA-FECHO DUPLO 1416.5



Aplicar com o artigo 1416.5

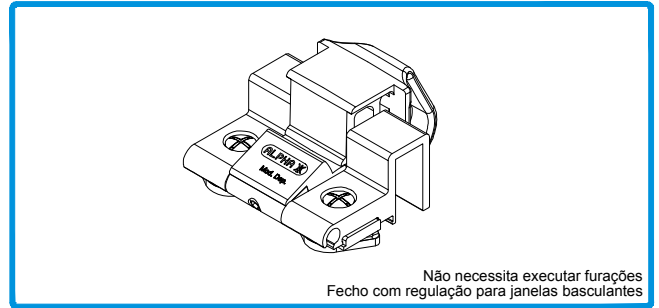
230225

SUPLEMENTO PARA VENTILAÇÃO 1463



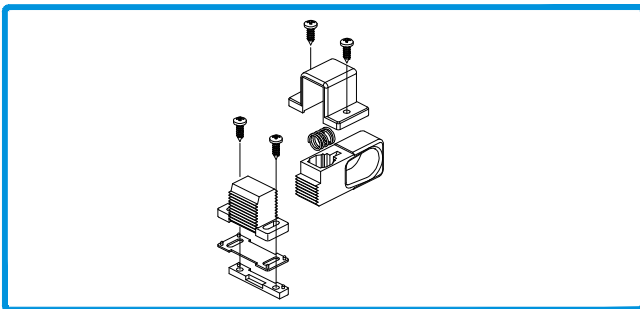
212154

CONJUNTO PARA CALÇO 1410.50Pr.



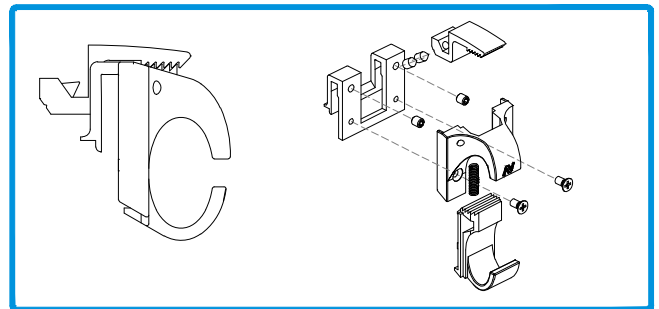
Não necessita executar furações
Fecho com regulação para janelas basculantes

201547 FECHO P/BASCULANTE REGULÁVEL 509R (Br., Pr.ou Cinza)



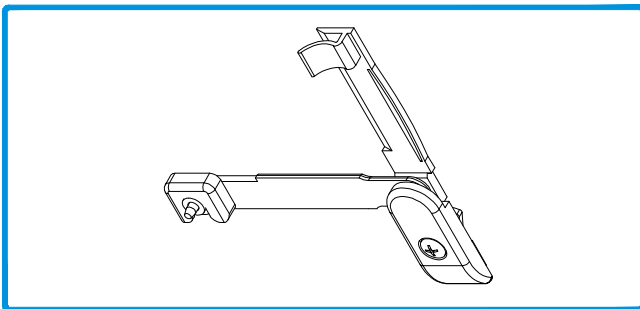
201495

FECHO PARA BASCULANTE 1357



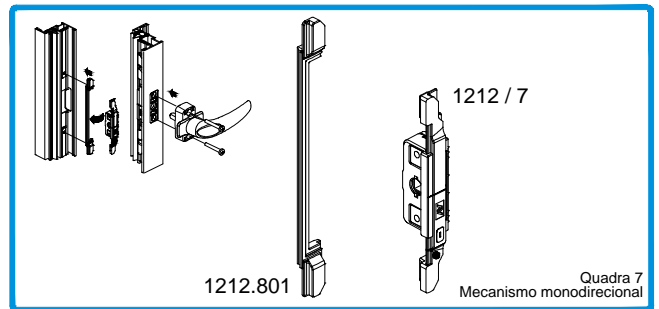
201497

FECHO P/BASCULANTE 1370.1



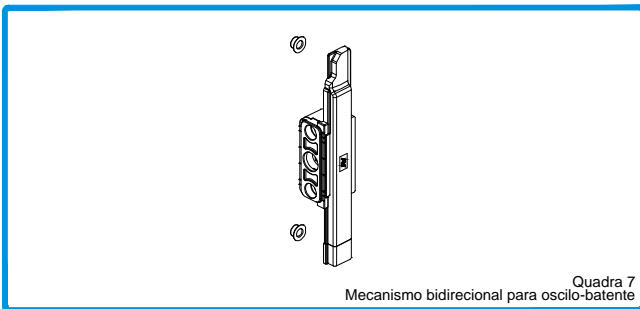
228104

LIMITADOR DE ABERTURA 6060 Pr.



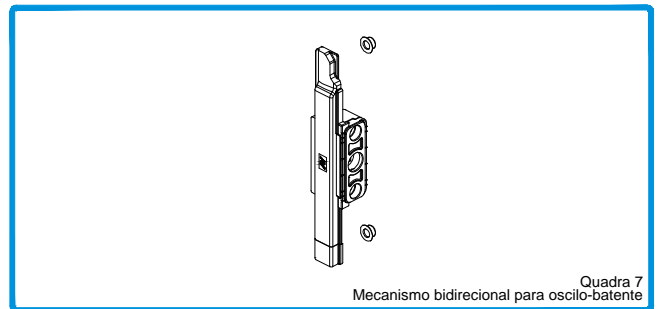
228119
214297

MECANISMO MONO 1212/7
VARETA 1212.801



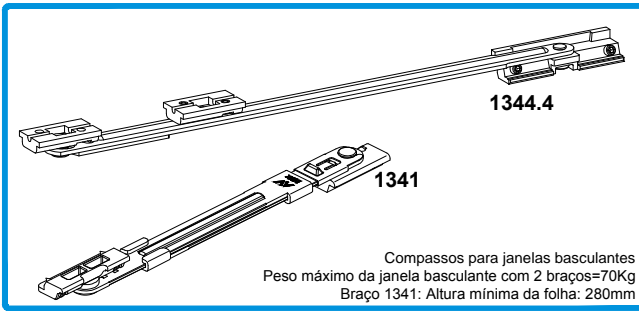
228120

MECANISMO DUO 1213/7L ESQ.



228121

MECANISMO DUO 1213/7R DIR.



Compassos para janelas basculantes
Peso máximo da janela basculante com 2 braços=70Kg
Braço 1341: Altura mínima da folha: 280mm

210114
210103

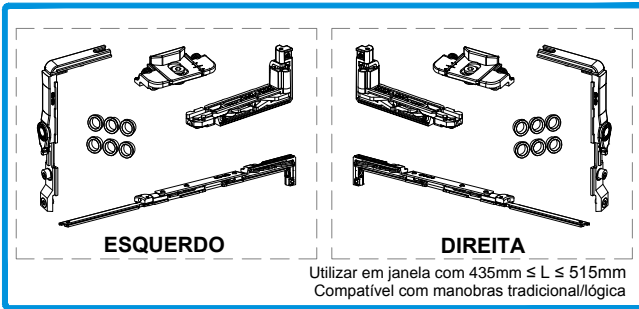
BRAÇO PIOVRADUE 1344.4
BRAÇO PIOVRATRE 1341



Para limitar a abertura da folha

202040

COMPASSO LIMITADOR DE ABERTURA 1343.2



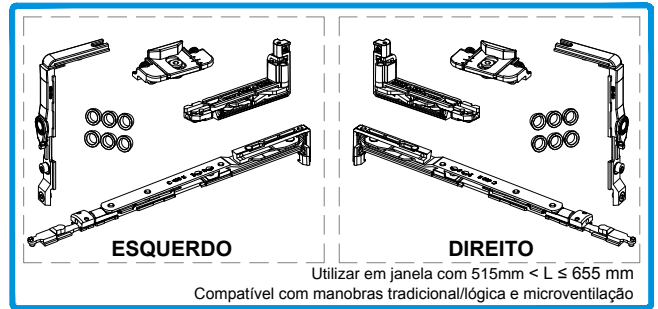
ESQUERDO

DIREITA

Utilizar em janela com $435\text{mm} \leq L \leq 515\text{mm}$
Compatível com manobras tradicional/lógica

223156
223157

KIT OB OCULTO + COMP. 300 ESQ
KIT OB OCULTO + COMP. 300 DIR



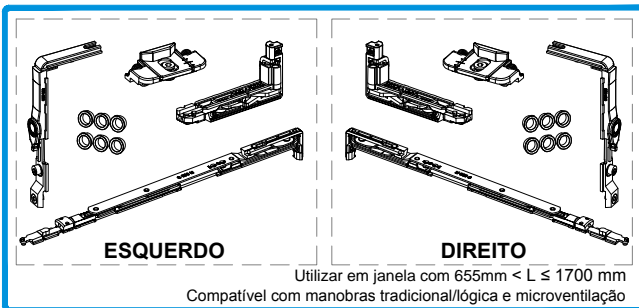
ESQUERDO

DIREITO

Utilizar em janela com $515\text{mm} < L \leq 655\text{mm}$
Compatível com manobras tradicional/lógica e microventilação

223092
223093

KIT OB OCULTO + COMP. 400 ESQ
KIT OB OCULTO + COMP. 400 DIR



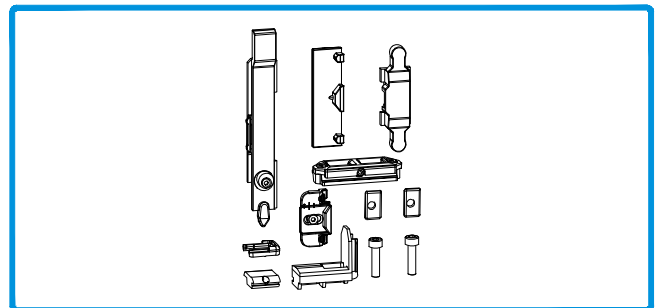
ESQUERDO

DIREITO

Utilizar em janela com $655\text{mm} < L \leq 1700\text{mm}$
Compatível com manobras tradicional/lógica e microventilação

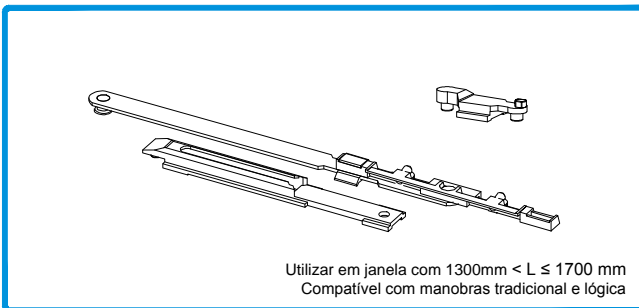
223094
223095

KIT OB OCULTO + COMP. 500 ESQ
KIT OB OCULTO + COMP. 500 DIR



299200

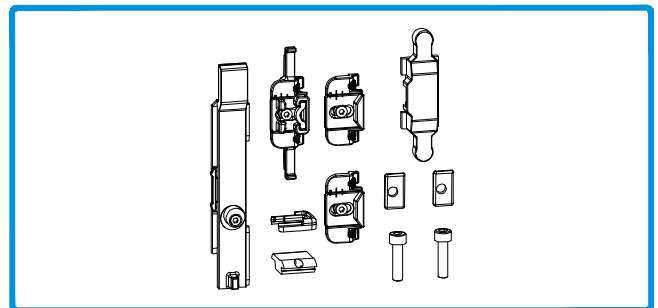
CARTÃO BASE OB MANOBRA TRADICIONAL



Utilizar em janela com $1300\text{mm} < L \leq 1700\text{mm}$
Compatível com manobras tradicional e lógica

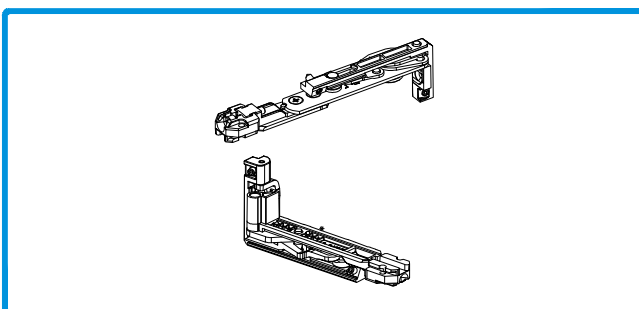
202518

COMPASSO SUPLEM. OCULTO



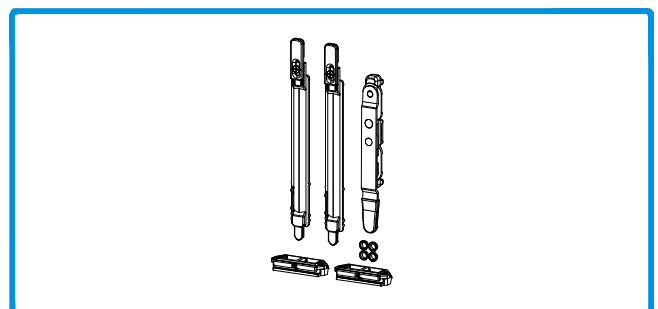
299201

CARTÃO BASE OB MANOBRA LÓGICA



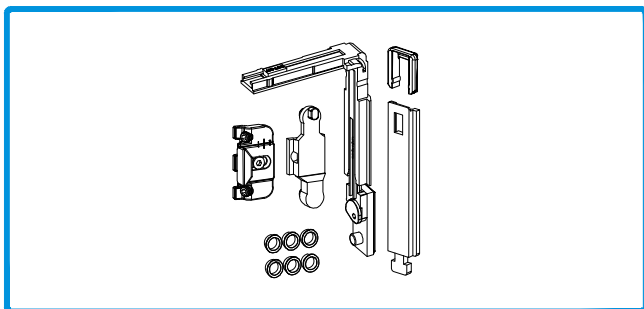
223096

CONJ. DOB. OCULTA 2°F



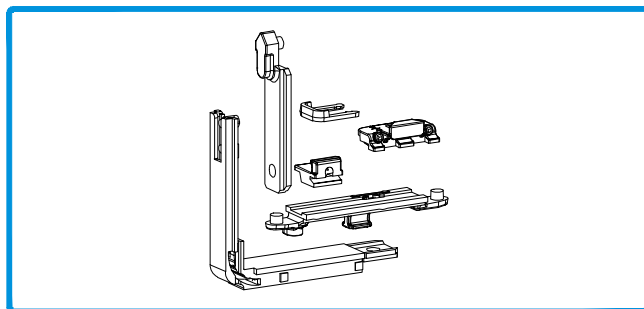
225006

PASSADOR BIDIRECIONAL 2°F



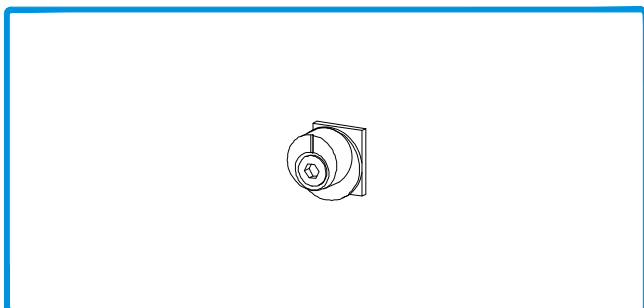
211028

PONTO FECHO EXTRA VERT.



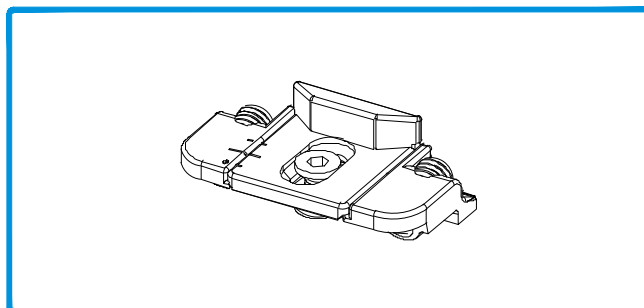
211029

PONTO FECHO EXTRA HORIZ.



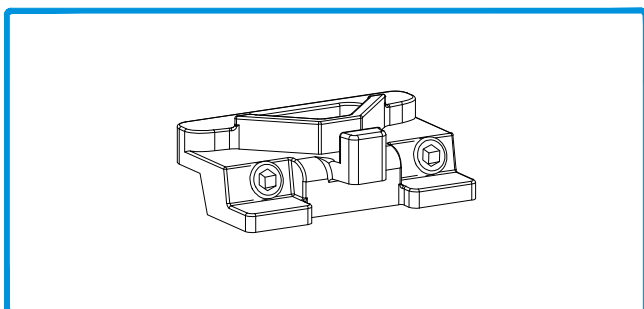
211030

PONTO DE FECHO OB 95



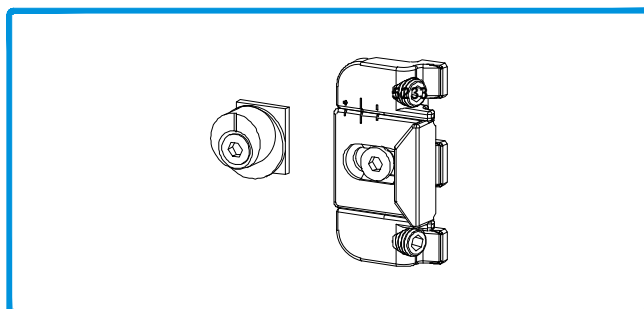
202318

CONTRA-FECHO OB 25



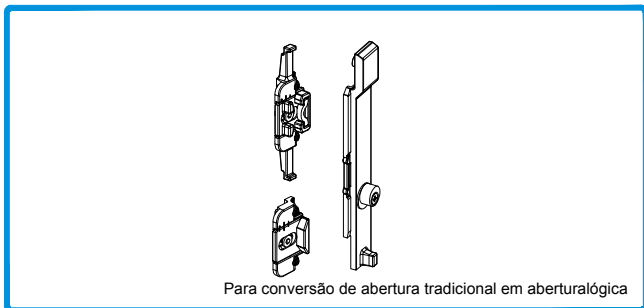
299091

MICRO-VENTILAÇÃO OB 5250



212232

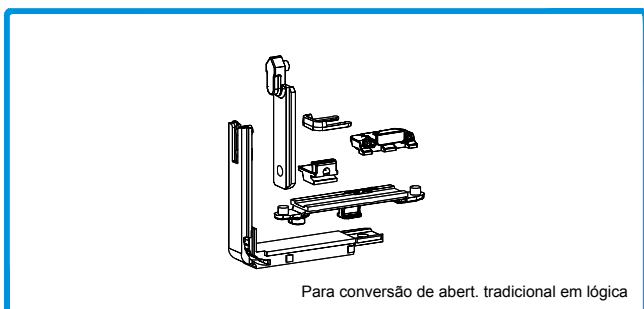
CONJ. FECHO OB 5233



Para conversão de abertura tradicional em aberturalógica

223096

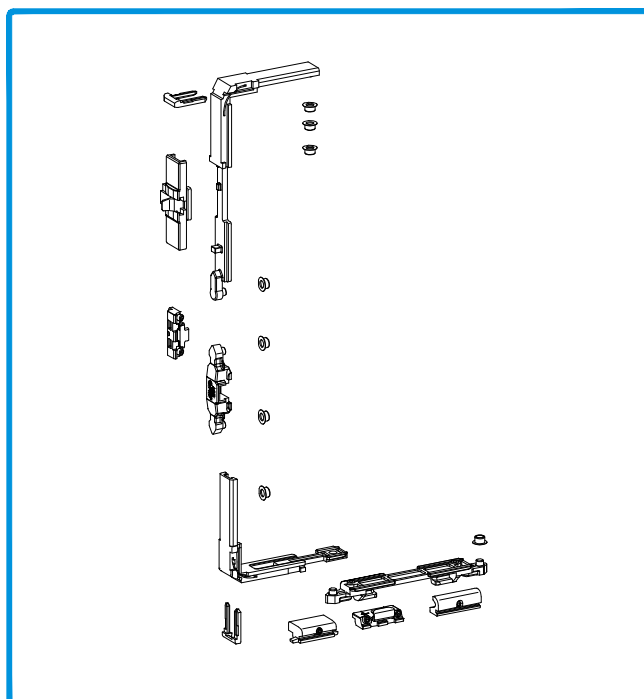
KIT ADICIONAL MANOB. LÓGICA



Para conversão de abert. tradicional em lógica

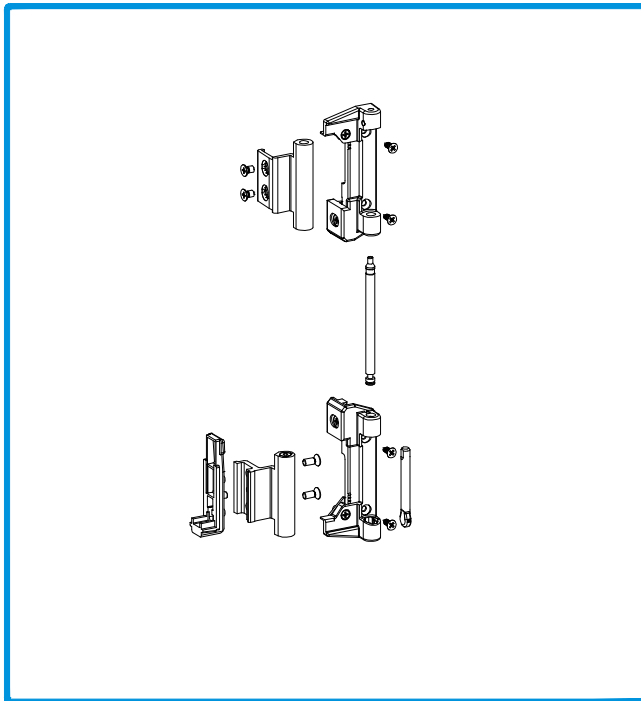
223097

KIT ADICIONAL 2ª F MANOB. LÓGICA



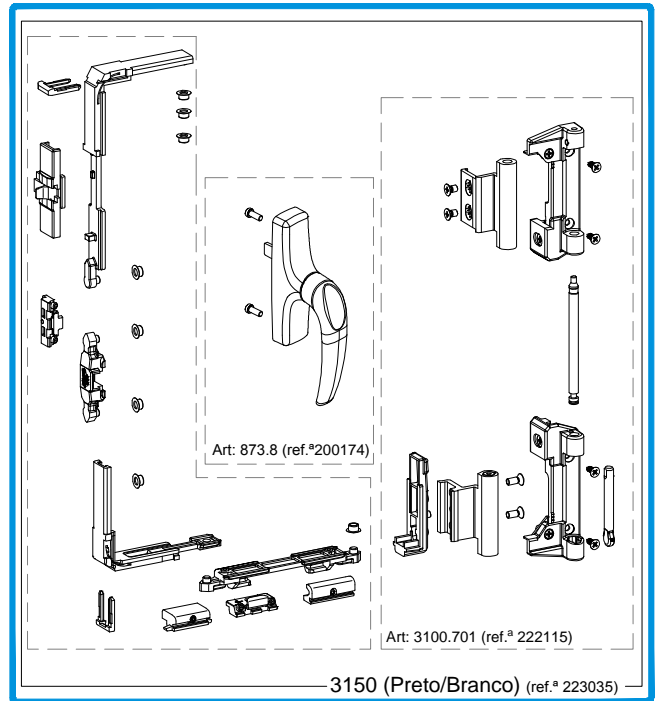
223035

KIT OSC-BATENTE 3150



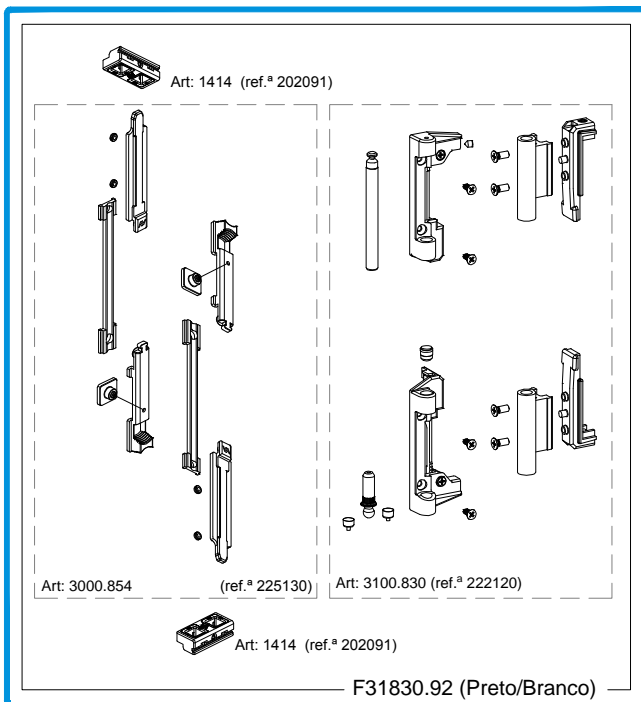
222115

JOGO DOBRADIÇA 3100.701



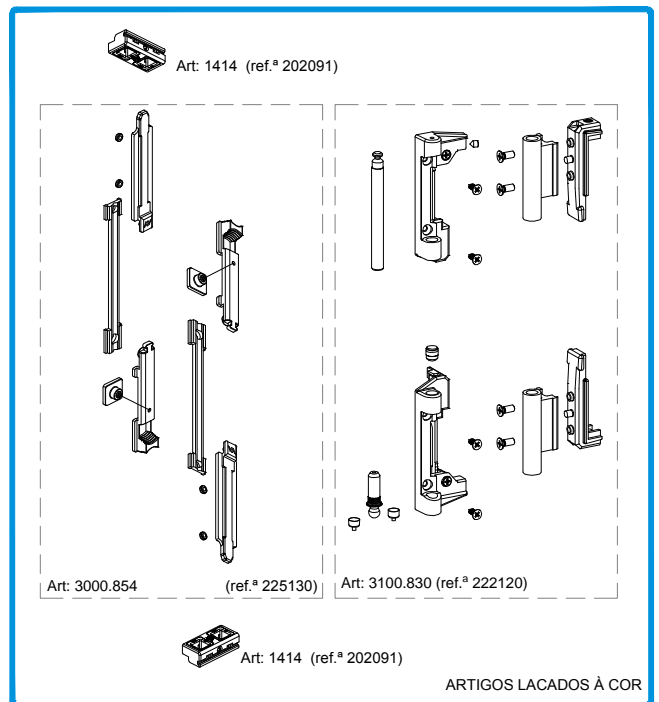
223029

KIT OSC-BATENTE 1 FOLHA S/COMPASSO F3150.92 RB3 (Br./Pr.)



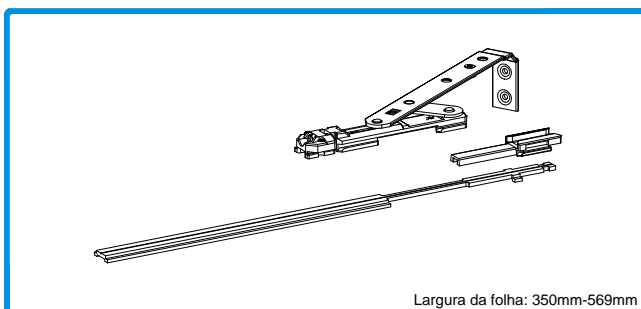
223030

KIT 2ª FOLHA F31830.92 RB3 (Br./Pr.)



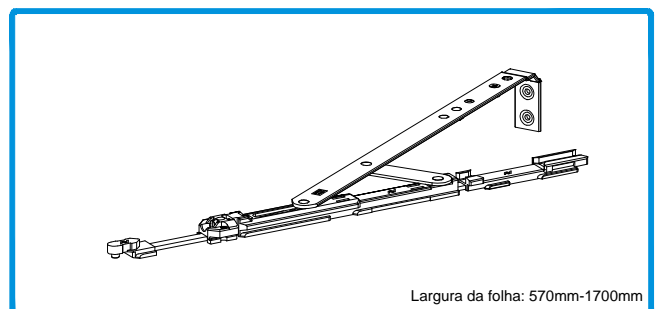
225130
222120
202091

PASSADOR FOLHA 300.854
JOGO DOBRADIÇA 3100.830
CONTRA FECHO DUPLO REGULÁVEL 1414



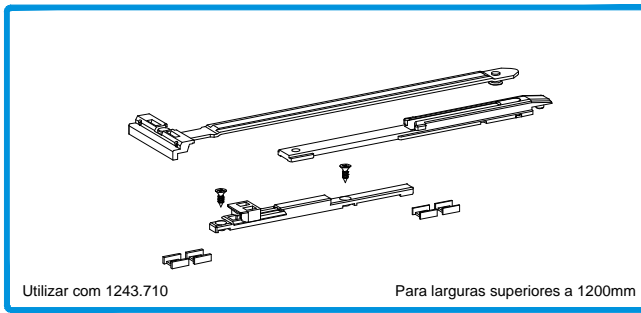
202060

COMPASSO CURTO 3150.752 RB3

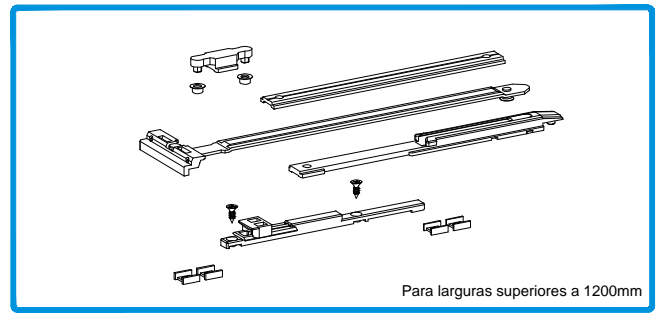


202058

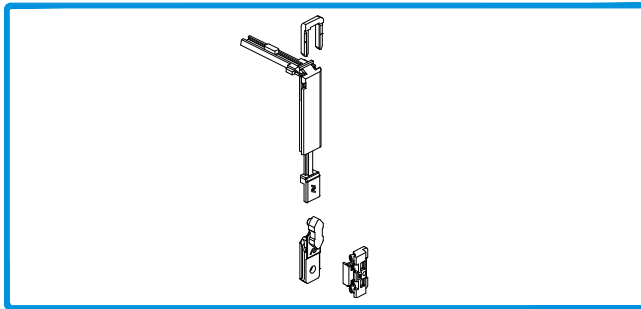
COMPASSO STANDARD 3150.750 RB3



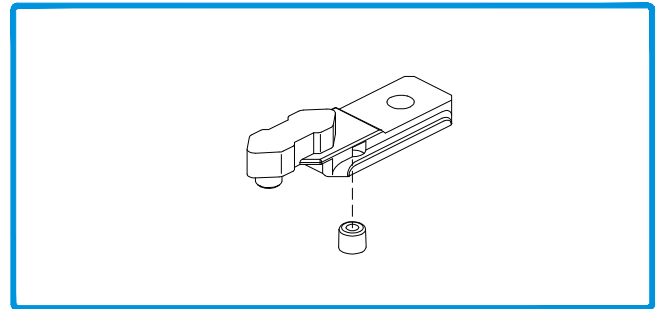
202068 COMPASSO SUPLEMENTAR 3100.800



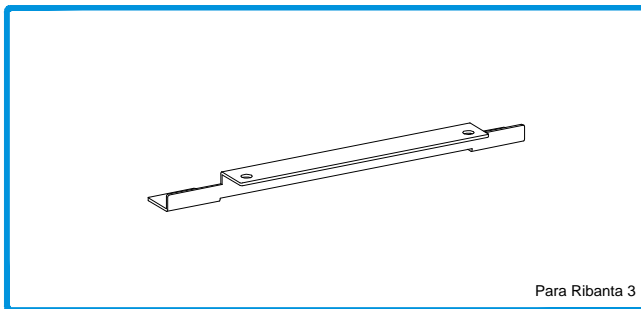
202015 COMPASSO SUPLEMENTAR 3150.800 RB3



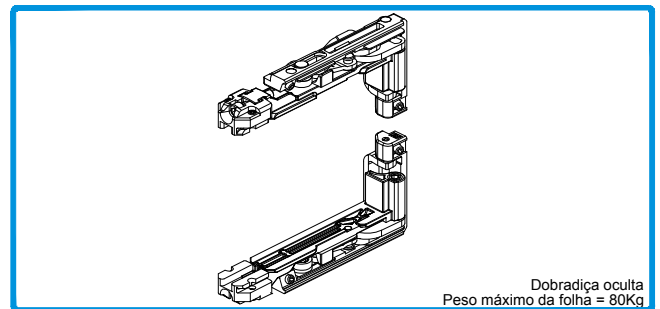
223750 KIT PARA 6 PONTOS DE FECHO 3000.820



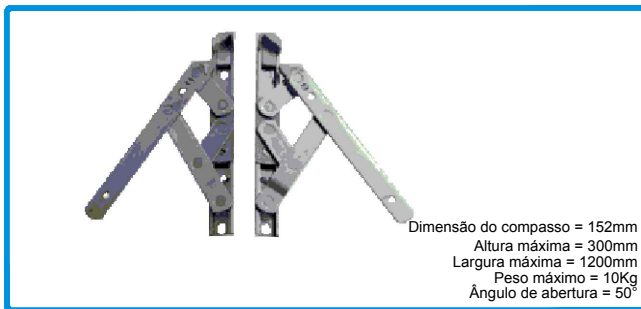
211524 PONTO DE FECHO 3100.821



211211 GABARITO MONTAGEM 3100.950



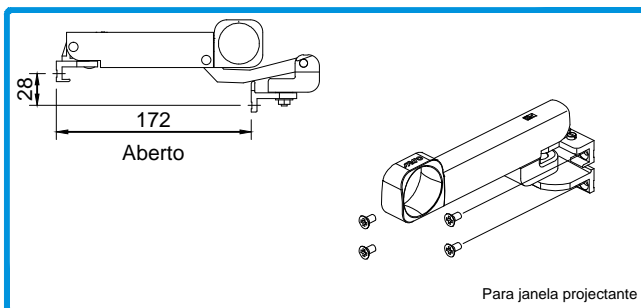
222121 JOGO DOBRADIÇA 3020 (Zamak Preto)



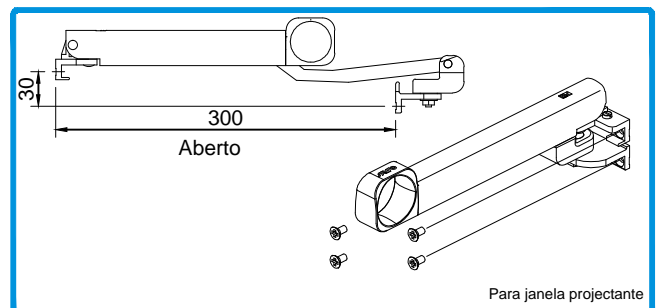
212030 CONJUNTO BRAÇO PARA PROJECTANTES S 150



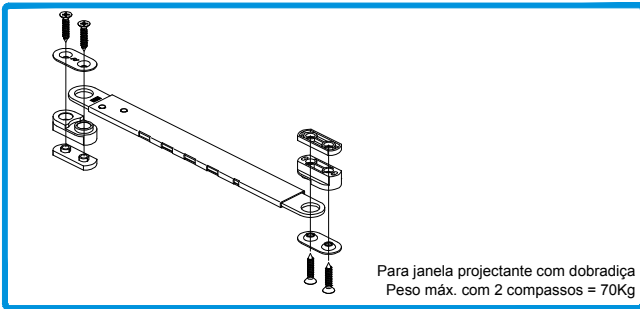
212060 CONJUNTO DOBRADIÇA INOX 1953 (PARA JANELA BASCULANTE OU PROJECTANTE)



214253 COMANDO 1206.1/1 LAC. 905



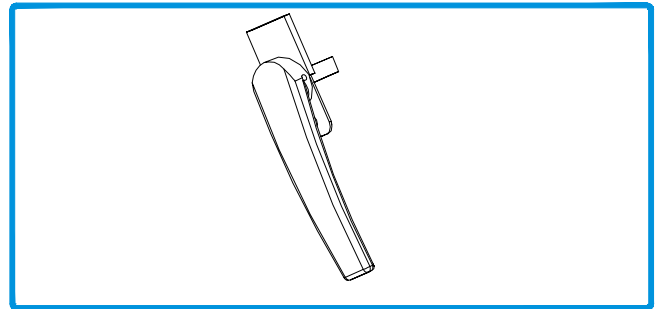
202605 COMANDO 1206.1/2 LAC. 900



Para janela projectante com dobradiça
Peso máx. com 2 compassos = 70Kg

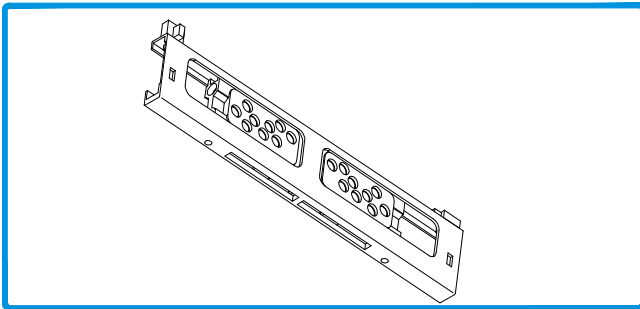
202065

COMPASSO SAVIO 1307.1



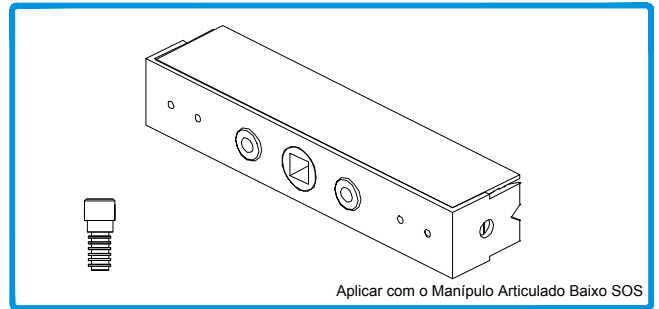
416006

MANÍPULO ARTICULADO BAIXO SOS



223670

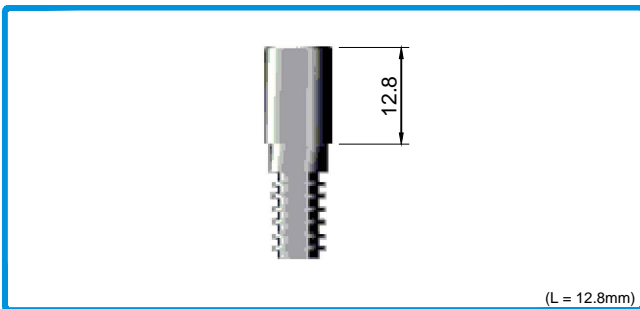
KIT MOV. INT. 1475.6



Aplicar com o Manipulo Articulado Baixo SOS

228210

MECANISMO INTERIOR SOS



(L = 12.8mm)

290101

PARAFUSO PB 12.8 mm



Quadra 7x7x100 + 2 parafusos M5x85 DIN 7985
Cortar à medida de acordo com o sistema

223102

KIT FIXAÇÃO ABERTURA EXTERIOR



Abertura exterior para aberturas de batente
Caixa de transmissão Monodirecional

228012

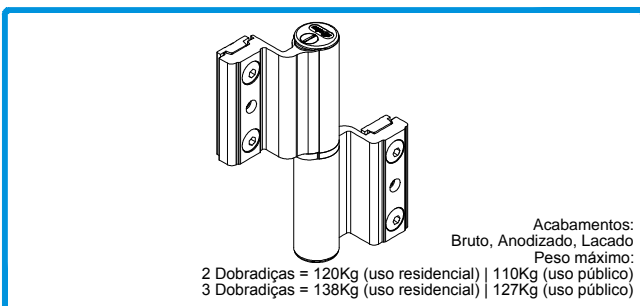
MECANISMO MONO 90 EXT 0507177



Abertura exterior para batente ou oscilo batente
Caixa de transmissão Monodirecional

228013

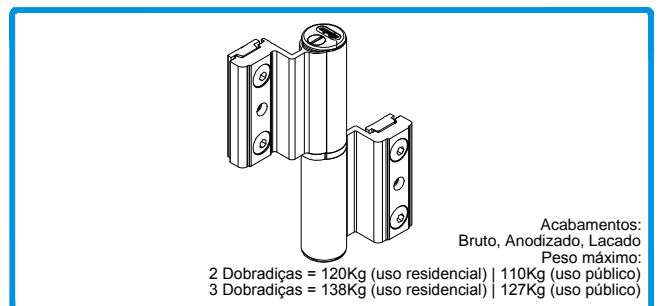
MECANISMO MONO 180 EXT 0507178



Acabamentos:
Bruto, Anodizado, Lacado
Peso máximo:
2 Dobradiças = 120Kg (uso residencial) | 110Kg (uso público)
3 Dobradiças = 138Kg (uso residencial) | 127Kg (uso público)

202235

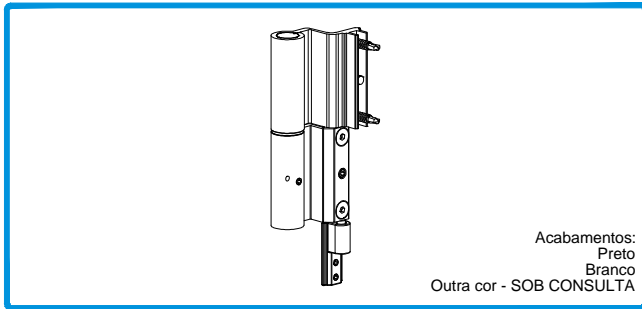
DOBRADIÇA PORTA 2L AFINAÇÃO 3D



Acabamentos:
Bruto, Anodizado, Lacado
Peso máximo:
2 Dobradiças = 120Kg (uso residencial) | 110Kg (uso público)
3 Dobradiças = 138Kg (uso residencial) | 127Kg (uso público)

202236

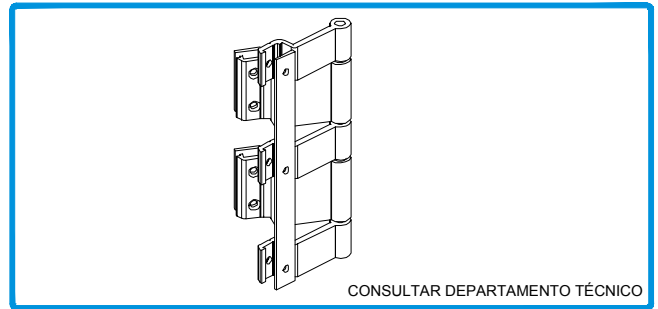
DOB. 3ªF PORTA 2L AFINAÇÃO 3D



Acabamentos:
Preto
Branco
Outra cor - SOB CONSULTA

202212

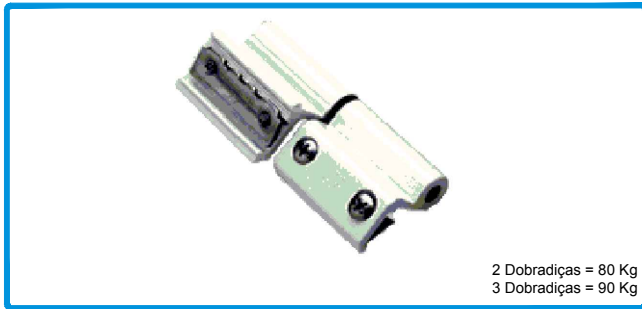
DOBR. PORTA C16 AFINAÇÃO 3D



CONSULTAR DEPARTAMENTO TÉCNICO

202141

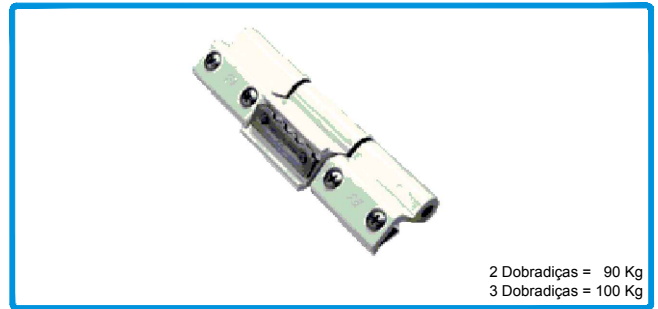
DOBRADIÇA AVANÇO PB 2000



2 Dobradiças = 80 Kg
3 Dobradiças = 90 Kg

202208

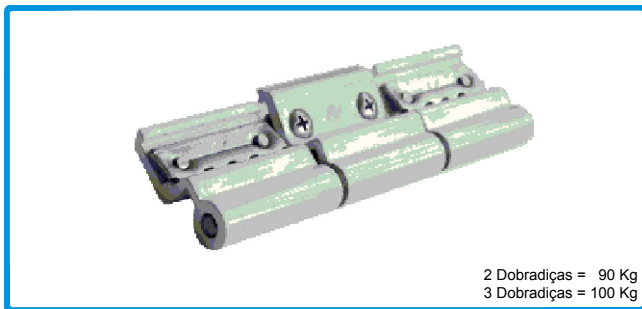
DOBRADIÇA MORSA 1121.1



2 Dobradiças = 90 Kg
3 Dobradiças = 100 Kg

202104

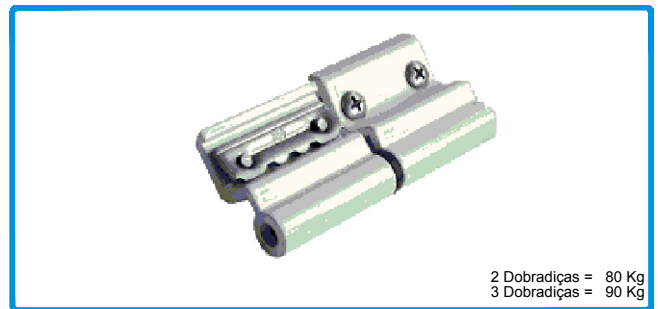
DOBRADIÇA MORSA 1122



2 Dobradiças = 90 Kg
3 Dobradiças = 100 Kg

202112

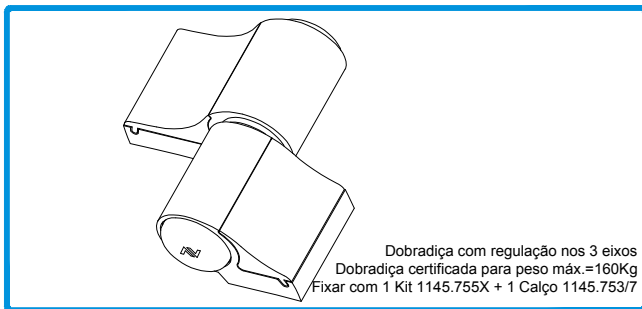
DOBRADIÇA MORSA PARA A 3ª FOLHA 1122.92



2 Dobradiças = 80 Kg
3 Dobradiças = 90 Kg

202209

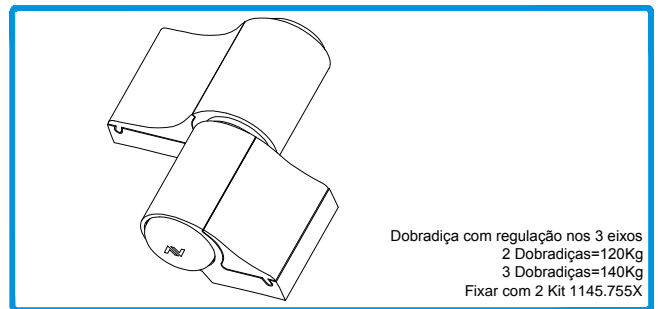
DOBRADIÇA MORSA 1123



Dobradiça com regulação nos 3 eixos
Dobradiça certificada para peso máx.=160Kg
Fixar com 1 Kit 1145.755X + 1 Calço 1145.753/7

202010

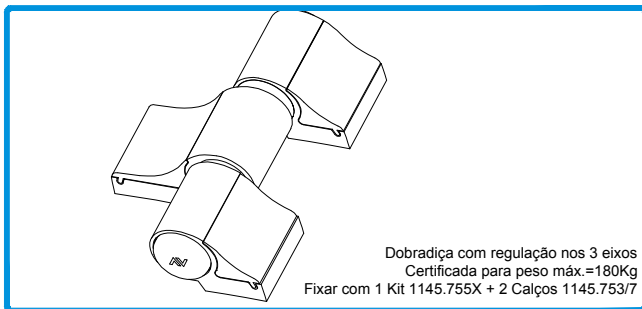
DOBRADIÇA MECHANICA 2 ABAS 1145/60



Dobradiça com regulação nos 3 eixos
2 Dobradiças=120Kg
3 Dobradiças=140Kg
Fixar com 2 Kit 1145.755X

202012

DOBRADIÇA MECHANICA 2 ABAS 1145/79



Dobradiça com regulação nos 3 eixos
Certificada para peso máx.=180Kg
Fixar com 1 Kit 1145.755X + 2 Calços 1145.753/7

202610
000000

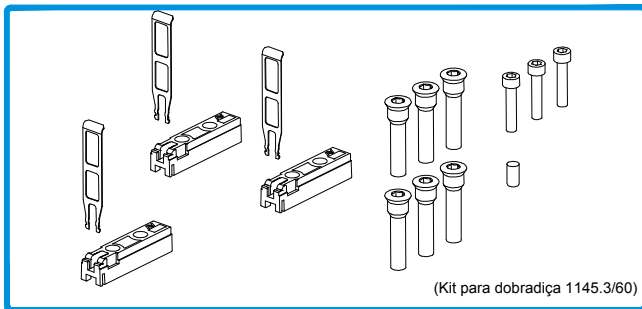
DOBRADIÇA MECHANICA 3 ABAS 1145.3/60
DOBRADIÇA MECHANICA 3 ABAS 1145.3/79



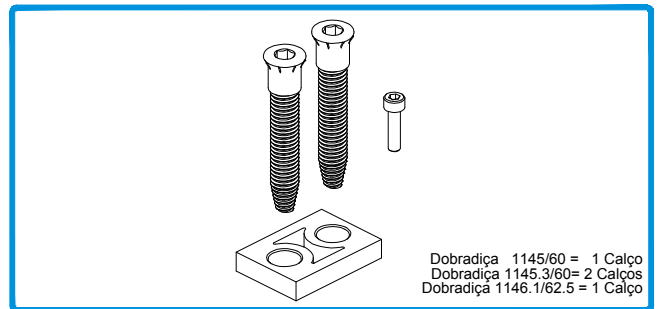
Kit para dobradiças 1145/60 e 1145.3/60, com parafusos em inox
Para sistemas com rutura térmica

223060

KIT DE FIXAÇÃO PARA MECHANICA 1145.755X

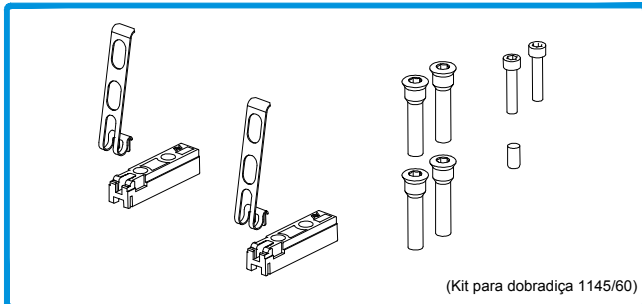


223020 KIT DE FIXAÇÃO PARA MECHANICA 1145.715

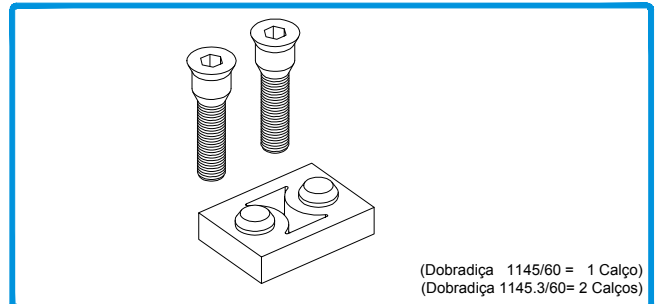


218182 CALÇO PARA DOBRADIÇA MECHANICA 1145.753/7

Dobradiça 1145/60 = 1 Calço
Dobradiça 1145.3/60= 2 Calços
Dobradiça 1146.1/62.5 = 1 Calço



223100 KIT DE FIXAÇÃO PARA MECHANICA 1145.705



218170 CALÇO PARA DOBRADIÇA MECHANICA 1145.703/7

(Dobradiça 1145/60 = 1 Calço)
(Dobradiça 1145.3/60= 2 Calços)



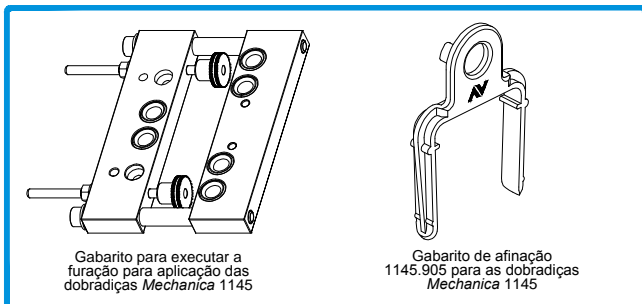
(1125.802: aplicar com as dobradiças 1127, 1127.1 ou 1129 com abertura exterior)

210158 SEPARADOR 1125.801
210010 SEPARADOR 1125.802



(1145.801: aplicar com as dobradiças 1145/79 ou 1145.3/79)
(1145.802: aplicar com as dobradiças Mechanica de abertura exterior)

210292 SEPARADOR 1145.801 (14-20)
210011 SEPARADOR 1145.802 (20-28)



Gabarito para executar a furação para aplicação das dobradiças Mechanica 1145

Gabarito de afinação 1145.905 para as dobradiças Mechanica 1145

211101 GABARITO PARA FURAÇÃO 1145.908



Fixar com 1 Kit 1145.755X + 1 Calço 1145.753/7

202611 DOBRADIÇA 2 ABAS 1146.1/62.5



Fixar com 1 Kit 1145.755X + 2 Calços 1145.753/7

202107 DOBRADIÇA 3 ABAS 1146.13/62.5



Gabarito para dobradiças Mechanica 1146.1/62.5 e 1146.13/62.5

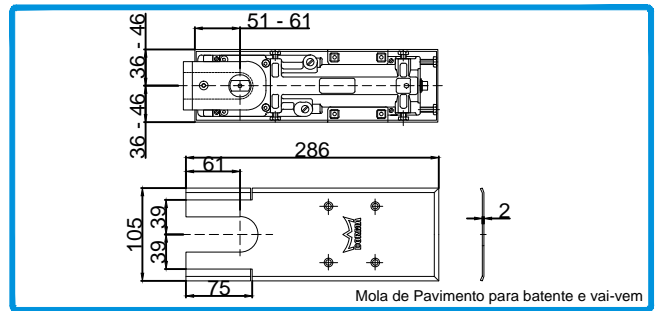
GABARITO MONTAGEM 1145.901



Aplicar com a Tampa 1129.802 em conjunto com Dobradiça 1146.1/62.5 ou 1146.13/62.5

202511

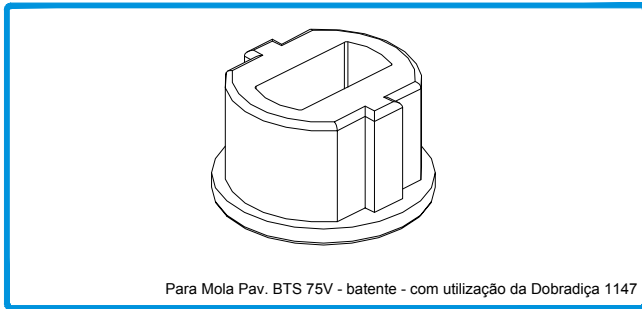
DOBRADIÇA P/ MOLA 1147



Mola de Pavimento para batente e vai-vem

228071

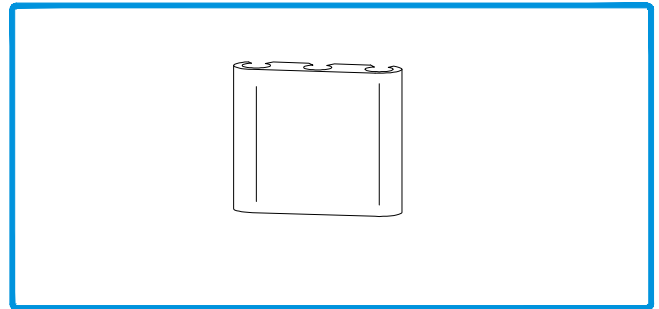
MOLA DE PAVIMENTO BTS 75V



Para Mola Pav. BTS 75V - batente - com utilização da Dobradiça 1147

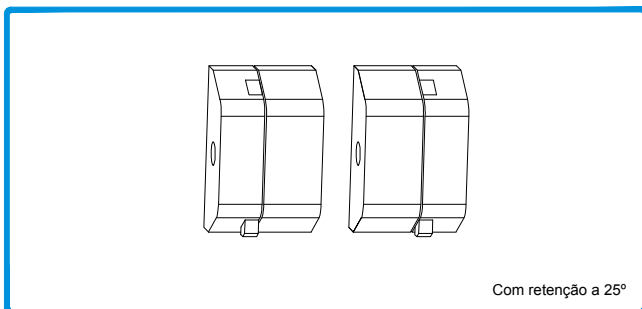
207327

SEPARADOR R. TER/1129.802 OXID



215071

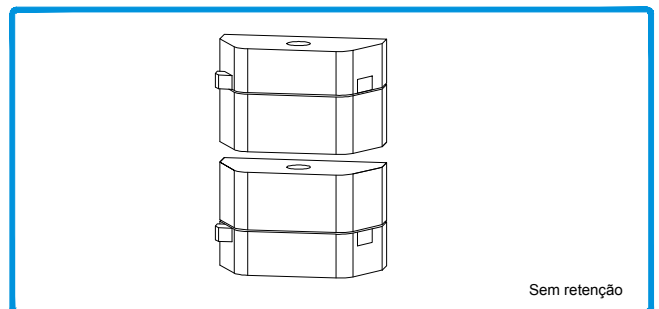
PEÇA DE LIGAÇÃO P/ SA-33



Com retenção a 25°

212317

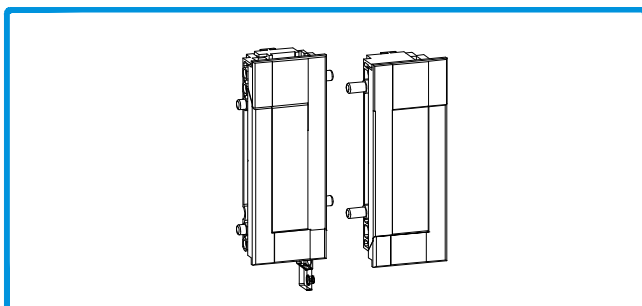
CONJ. PIVOT 515/60 HORIZONTAL 130Kg



Sem retenção

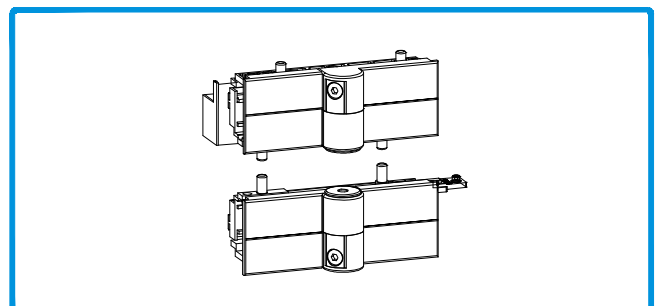
212318

CONJ. PIVOT 515P VERTICAL 130Kg



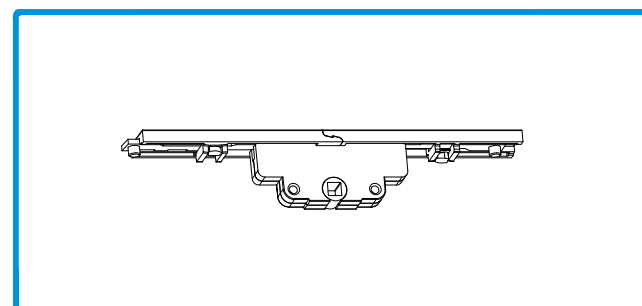
212319

CONJ. PIVOT UNITAS 18/3 HORIZONTAL 175Kg



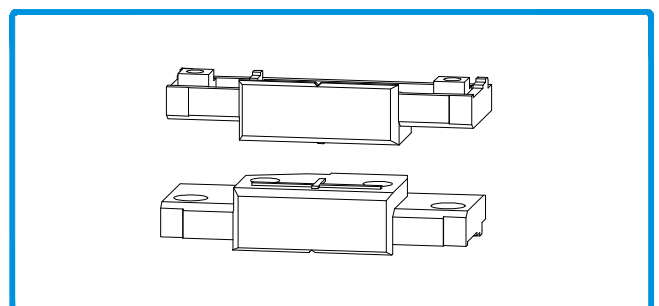
212323

CONJ. PIVOT UNITAS 88 VERTICAL 175Kg



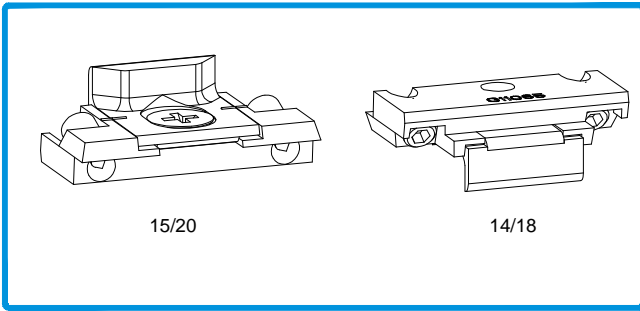
228211

MECANISMO CREMONA 90°



218153

CALÇO APOIO P/ PIVOT 515

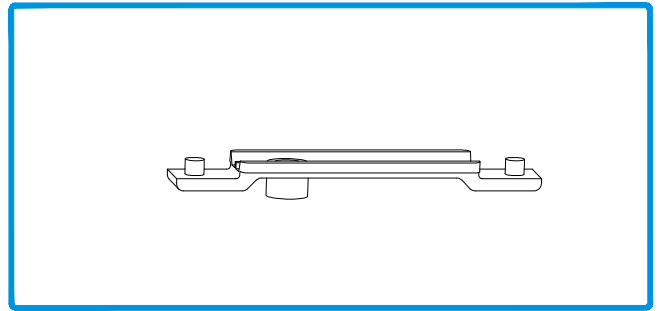


15/20

14/18

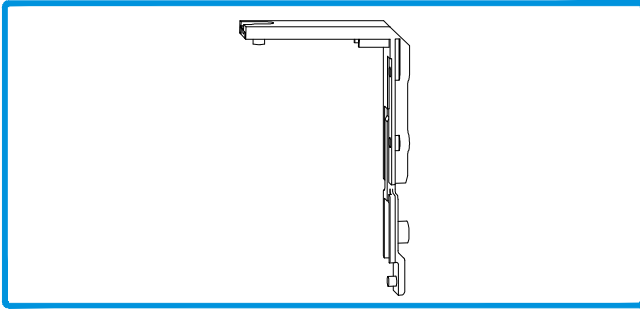
202081
202082

CONTRA-FECHO REGULÁVEL 15/20
CONTRA-FECHO REGULÁVEL 14/18



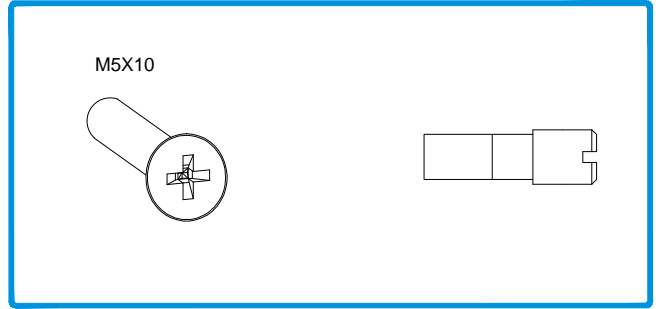
211500

PONTO DE FECHO 85mm



213291

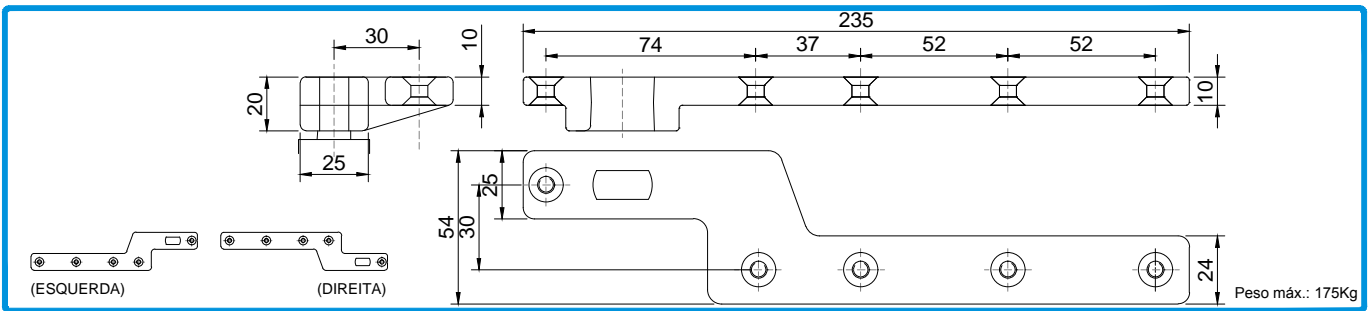
ANGULO DE REENVIO



M5X10

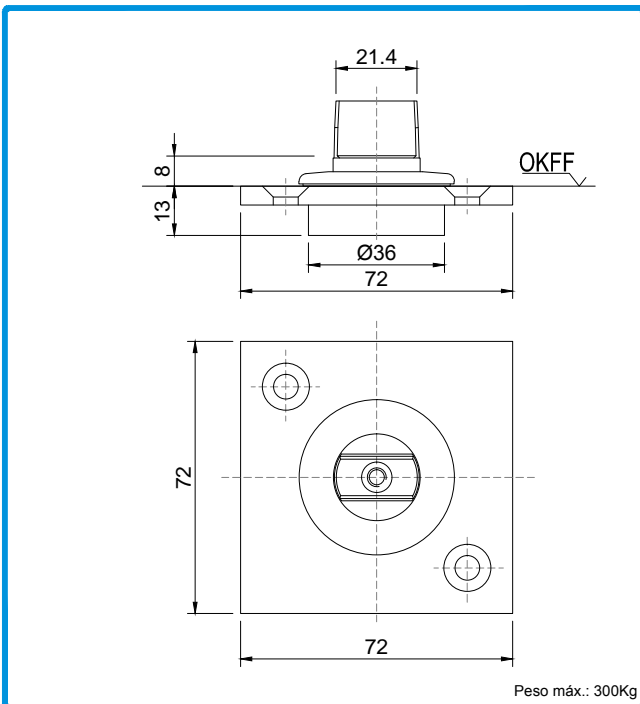
290107
207011

PARAFUSO M5X10
PERNO PARA BARRA SA-33



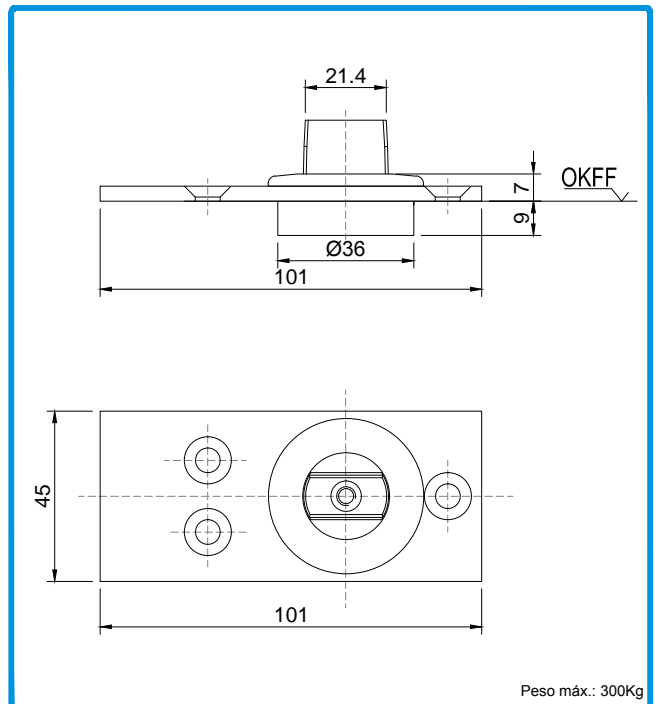
210119

BRAÇO PARA PIVOT DE CHÃO SOS D 30mm



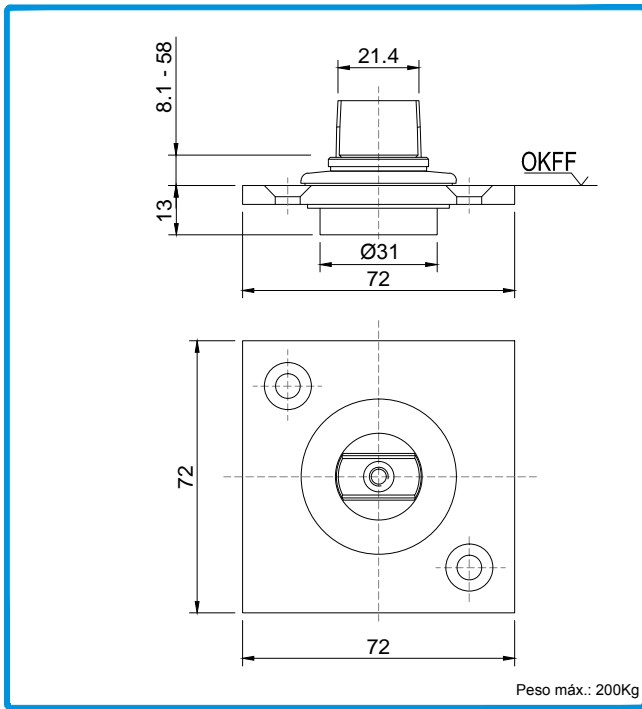
227114

PIVOT DE CHÃO 7471 AX



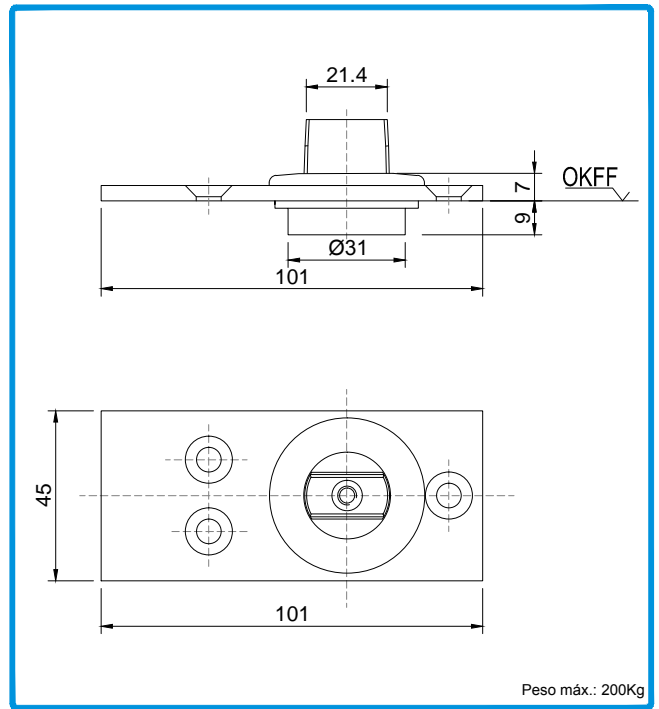
227115

PIVOT DE CHÃO 7475 AX



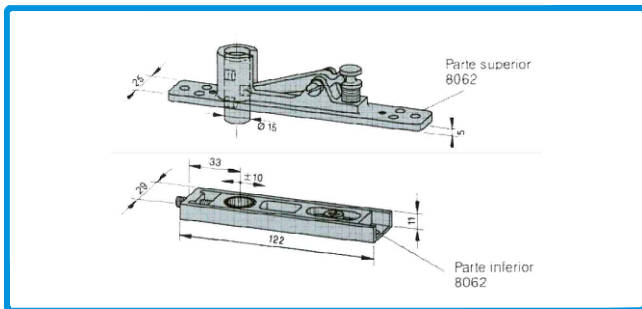
227116

PIVOT DE CHÃO 7471 K



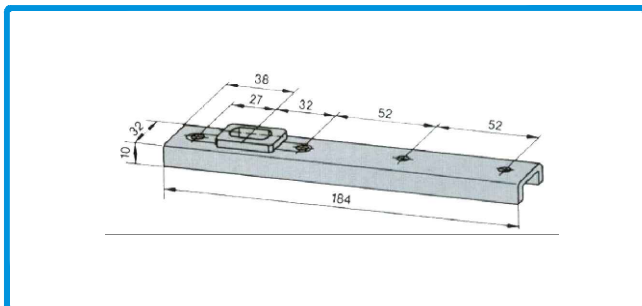
227117

PIVOT DE CHÃO 8560 G



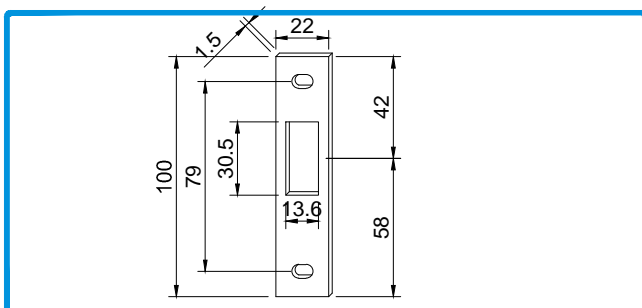
227111

PIVOT SUPERIOR VAI-DEM 8062



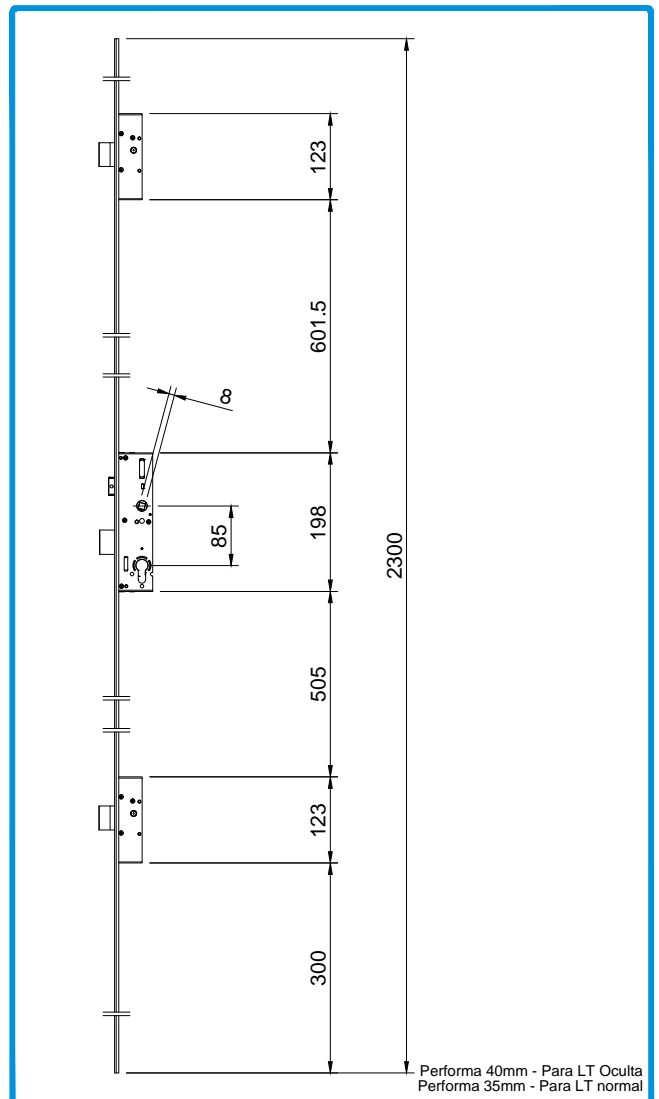
210104

BRAÇO INFERIOR VAI-DEM 8021



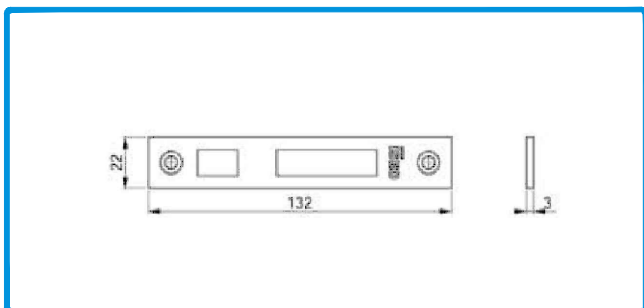
280200

TESTA FECHADURA 5791x90

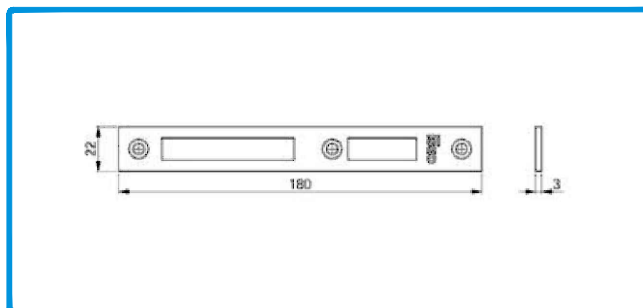


201615
201616

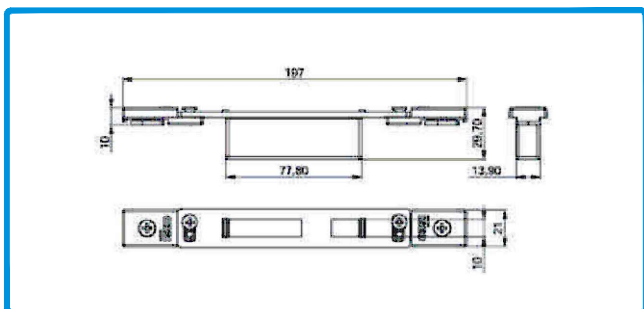
FECHADURA DE 3 PONTOS PERFORMA 35mm
FECHADURA DE 3 PONTOS PERFORMA 40mm



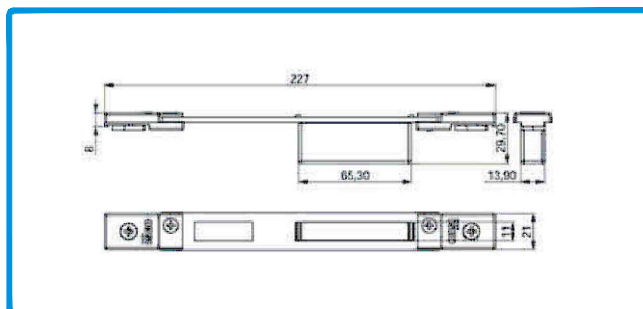
280010 TESTA SUP/INF 3x24 P/ FECHADURAS (Inox)



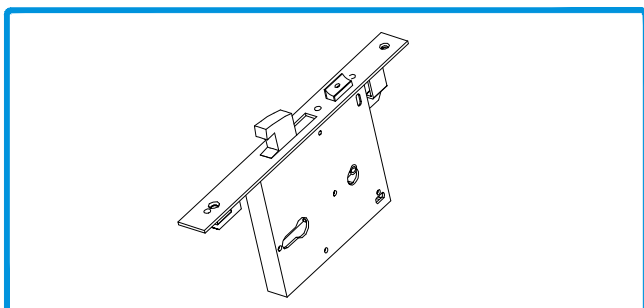
280009 TESTA CENTRAL 3x22 P/ FECHADURAS (Inox)



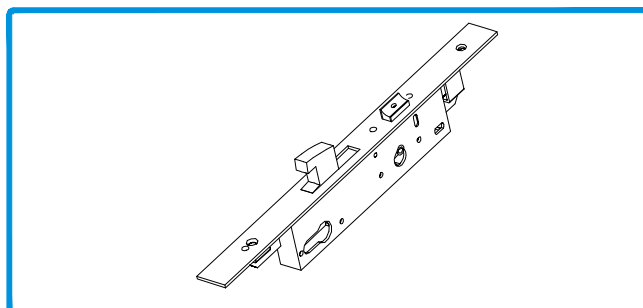
280011 TESTA SUP/INF 22x197 P/ FECHADURA PERFORMA (Pr.)



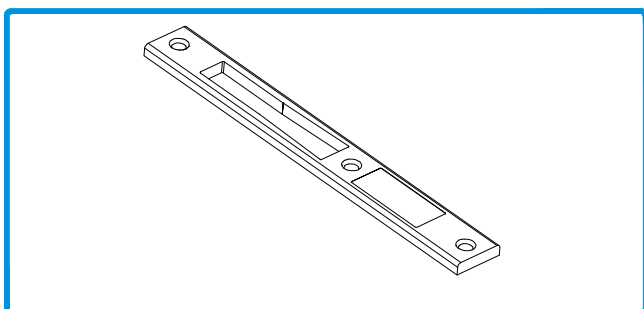
280012 TESTA CENTRAL 22x227 P/ FECHADURA PERFORMA (Pr.)



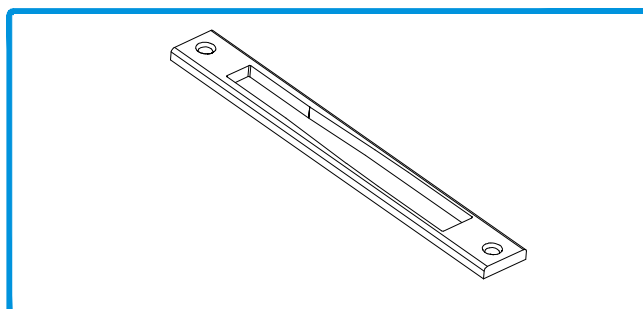
201013 FECHADURA DE ALMOFADA 5791x90



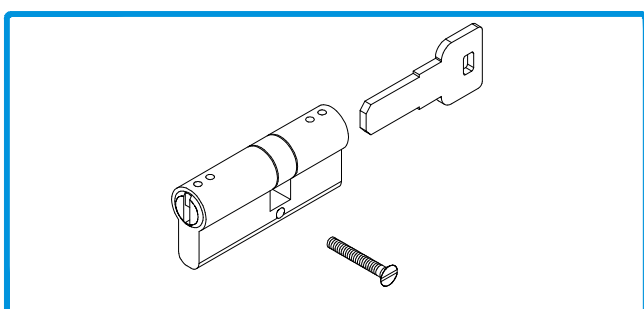
201073 FECHADURA 7716x30
201050 FECHADURA 7716x35



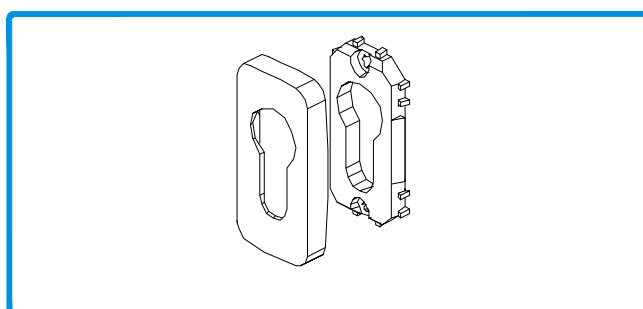
280220 TESTA FECHADURA PRUMO 2000



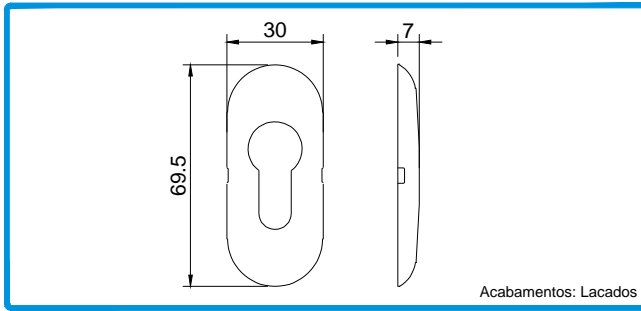
280230 TESTA FECHADURA STAND 2001



230502 SEGREDO 70/30 NIQUELADO
230503 SEGREDO SEGURANÇA 70/32 NIQUELADO

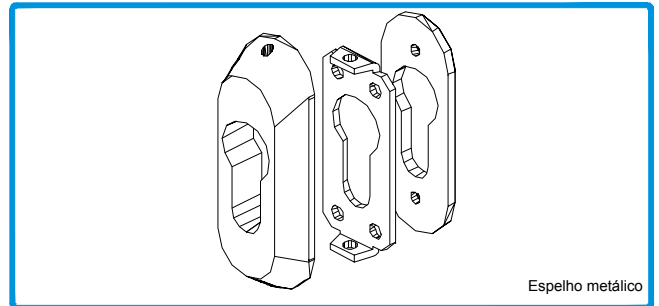


220190 ESPELHO 874.801 (Br./Pr.)



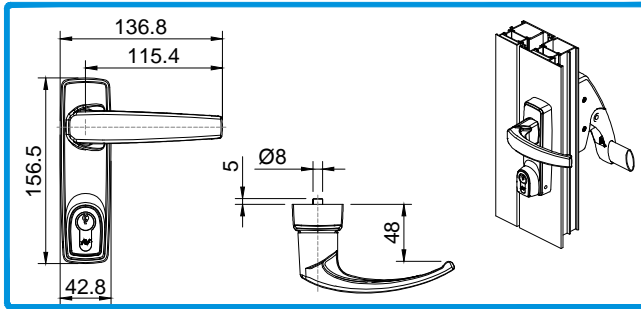
220251

ESPELHO P/SEGREDO 3500



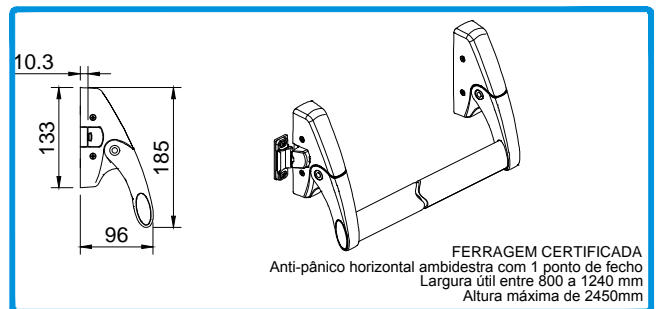
220008

ESPELHO PARA SEGURANÇA 5100 (Pr.)



200347

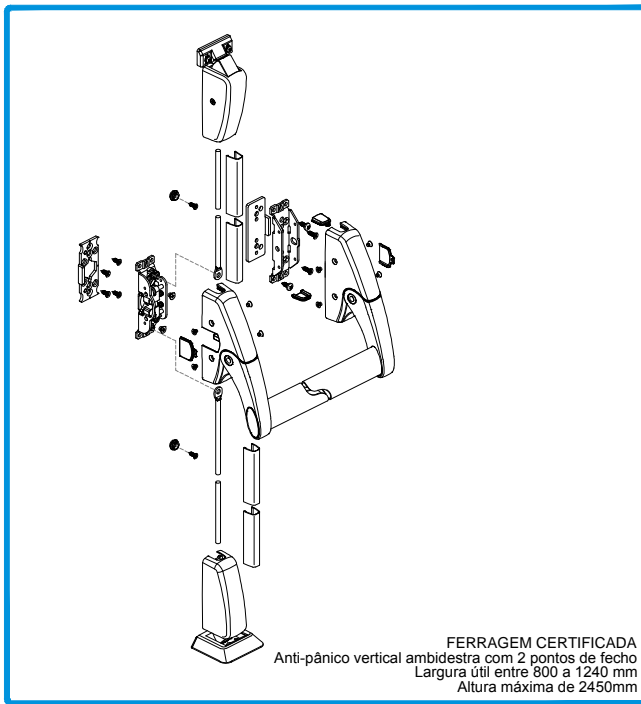
CREMONE COM FECHADURA 6010.875



200993

ANTI-PÂNICO HORIZONTAL 6010.1/1200

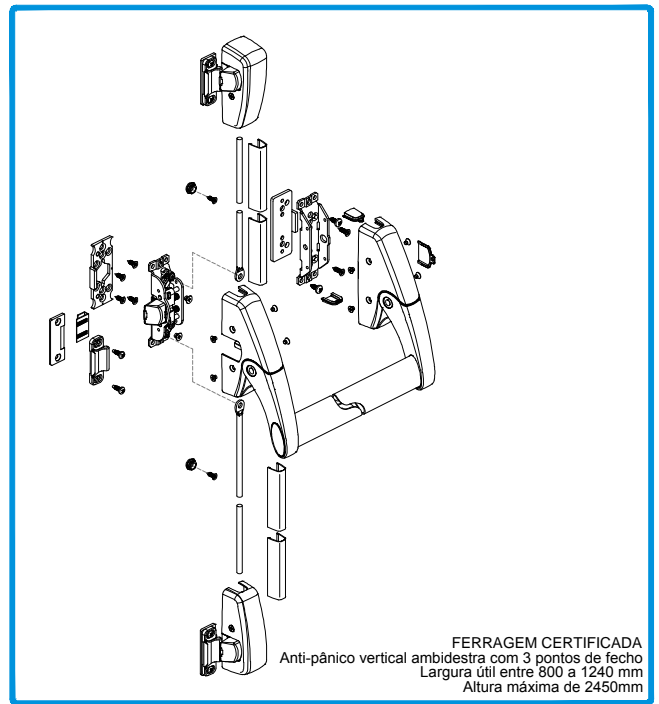
FERRAGEM CERTIFICADA
Anti-pânico horizontal ambidestra com 1 ponto de fecho
Largura útil entre 800 a 1240 mm
Altura máxima de 2450mm



200991

ANTI-PÂNICO HORIZONTAL 6010.2/1200

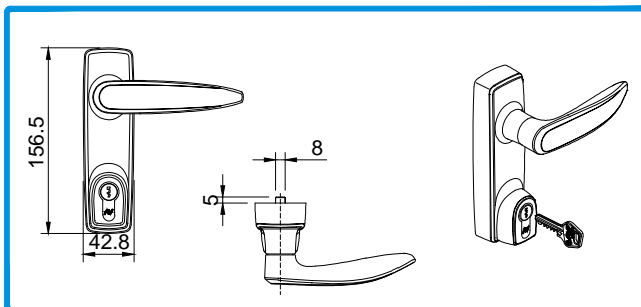
FERRAGEM CERTIFICADA
Anti-pânico vertical ambidestra com 2 pontos de fecho
Largura útil entre 800 a 1240 mm
Altura máxima de 2450mm



200992

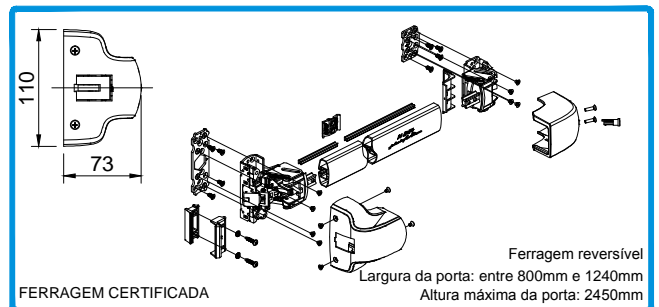
ANTI-PÂNICO HORIZONTAL 6010.3/1200

FERRAGEM CERTIFICADA
Anti-pânico vertical ambidestra com 3 pontos de fecho
Largura útil entre 800 a 1240 mm
Altura máxima de 2450mm



200914

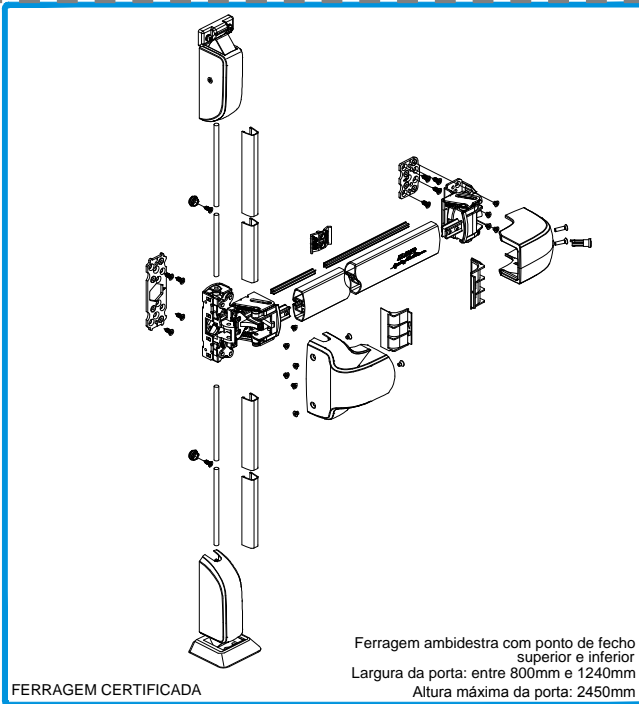
CREMONE COM FECHADURA 6000.875 Pr.



200970

ANTI-PÂNICO HORIZONTAL 6100.1/1085

Ferragem reversível
FERRAGEM CERTIFICADA
Largura da porta: entre 800mm e 1240mm
Altura máxima da porta: 2450mm

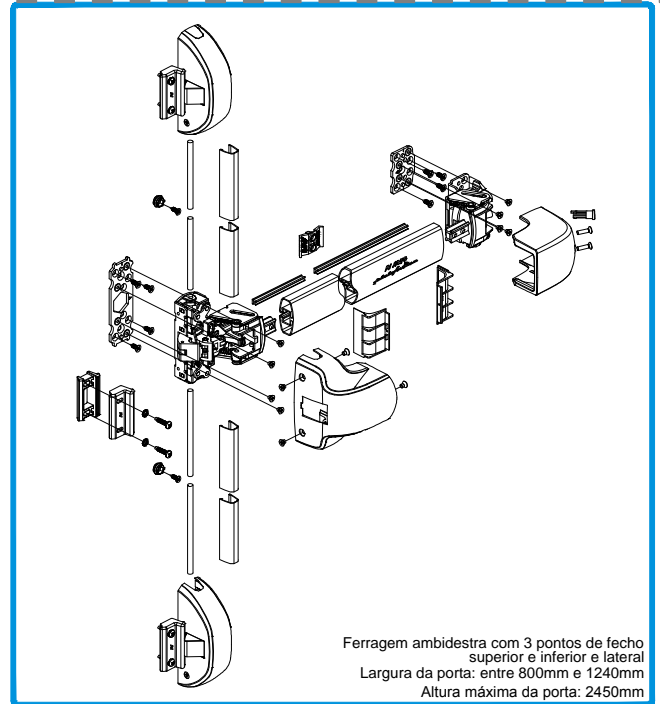


FERRAGEM CERTIFICADA

Ferragem ambidestra com ponto de fecho superior e inferior
Largura da porta: entre 800mm e 1240mm
Altura máxima da porta: 2450mm

200995

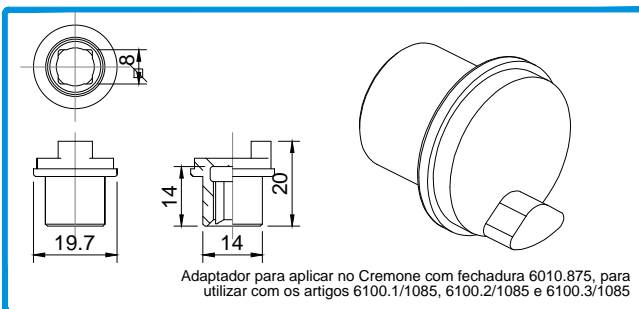
ANTI-PÂNICO VERTICAL 6100.2/1085



Ferragem ambidestra com 3 pontos de fecho superior e inferior e lateral
Largura da porta: entre 800mm e 1240mm
Altura máxima da porta: 2450mm

200971

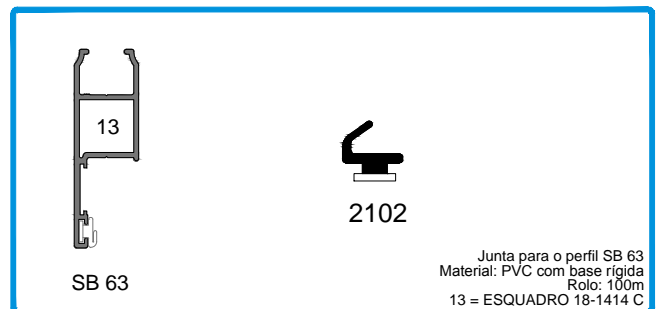
ANTI-PÂNICO VERTICAL 6100.3/1085



Adaptador para aplicar no Cremone com fechadura 6010.875, para utilizar com os artigos 6100.1/1085, 6100.2/1085 e 6100.3/1085

213143

ADAPTADOR PARA CREMONE C/FECHADURA 6000.401



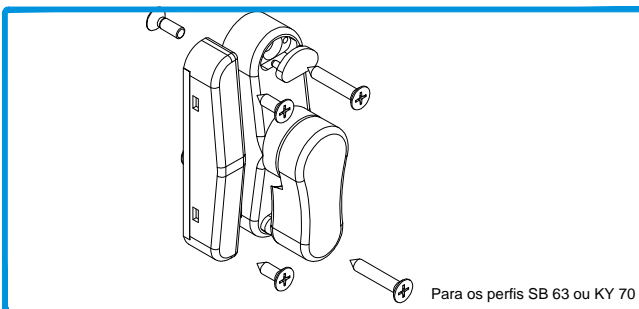
SB 63

2102

Junta para o perfil SB 63
Material: PVC com base rígida
Rolo: 100m
13 = ESQUADRO 18-1414 C

208264

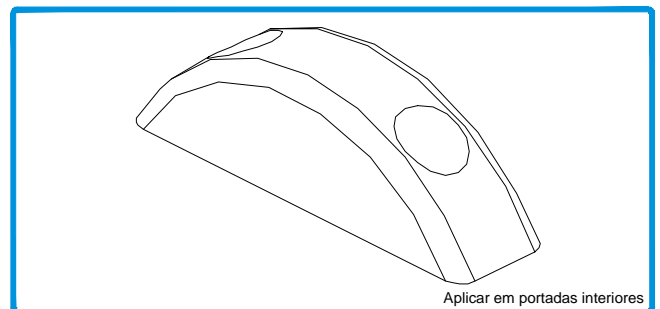
JUNTA ESTANQUICIDADE 2102



Para os perfis SB 63 ou KY 70

231214

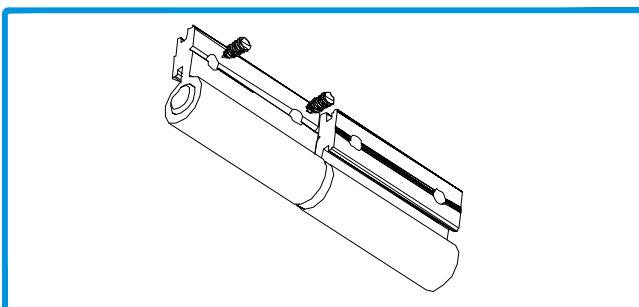
TRINCO REVERSÍVEL 9566 (Br./Pr.)



Aplicar em portadas interiores

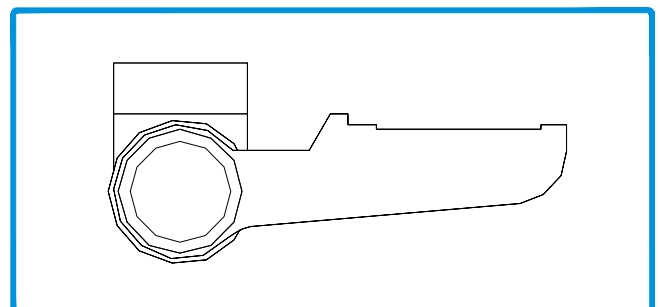
214146

BATENTE PARA PERSIANA 877.804



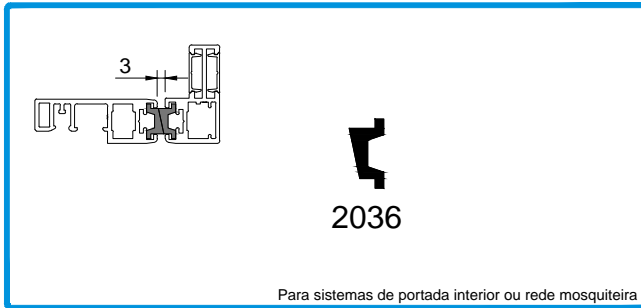
202230

DOBRADIÇA PARA PORTADAS INTERIORES/REDE MOSQUITEIRA



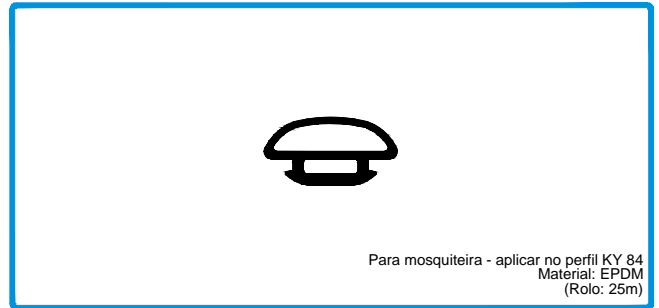
202229

DOBRADIÇA PARA SISTEMA TAPA-LUZ



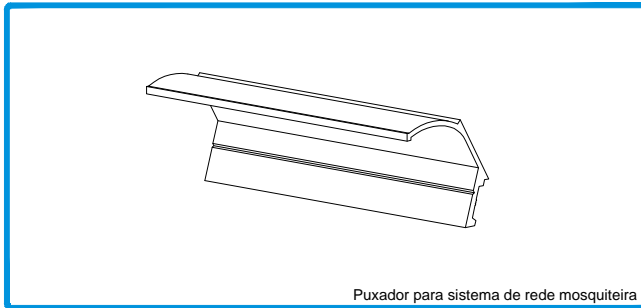
215155

PERFIL MAGNÉTICO 2036



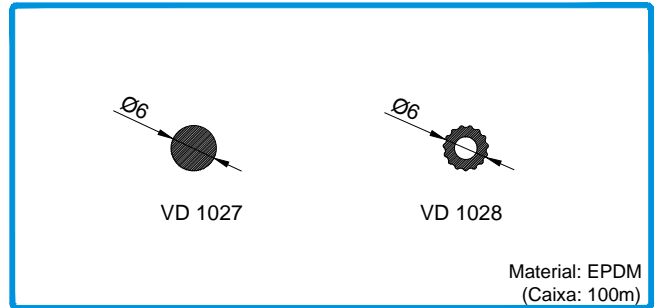
208261

JUNTA ESTANQUICIDADE 2027



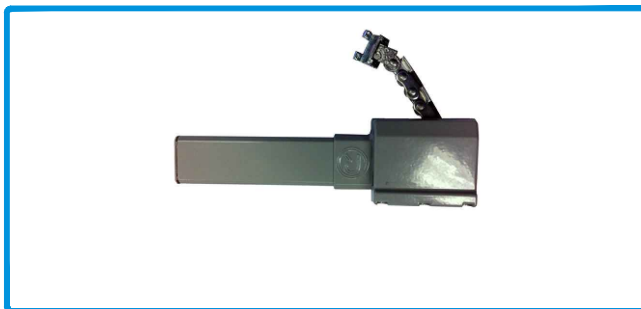
200910

PUXADOR SIMPLES SOS 80



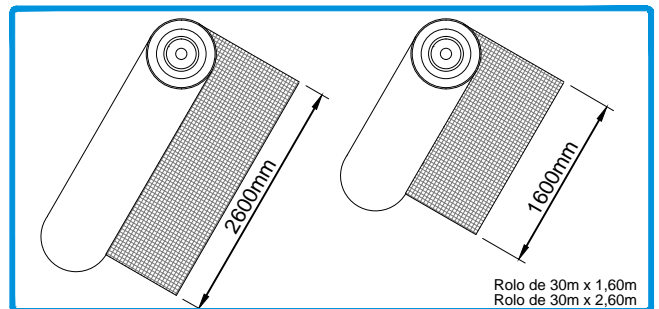
208310
208311

VEDANTE PARA MOSQUITEIRA 1027 Pr.
VEDANTE PARA MOSQUITEIRA 1028 Pr.



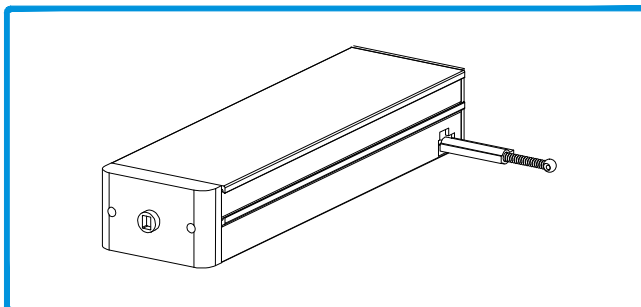
213124

ACIONADOR MECÂNICO CINZA



229105
229106

REDE MOSQUITEIRA EM FIBRA 1600mm (Cinza)
REDE MOSQUITEIRA EM FIBRA 2600mm (Cinza)



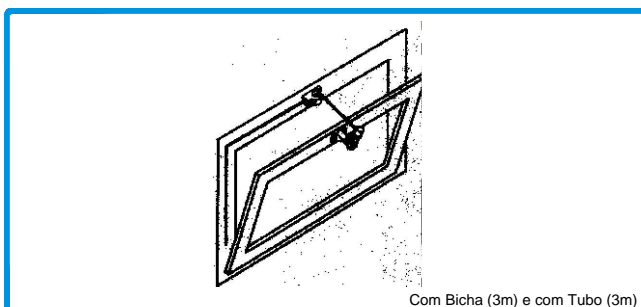
212248

ACCIONADOR ELÉCTRICO PRT.



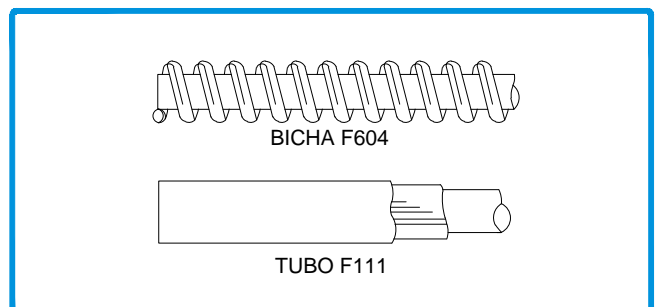
223760

KIT PARA BASCULANTE SIMPLES



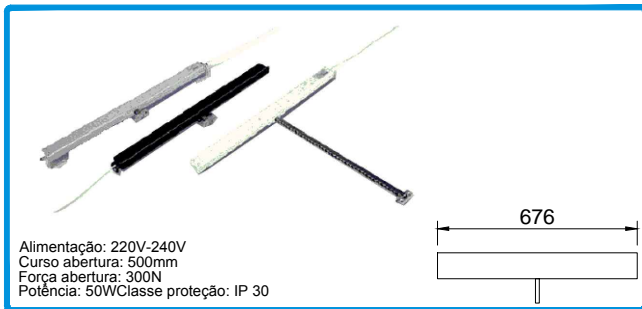
223906

KIT COMPLETO QL. 1 (3m)



217118
231002

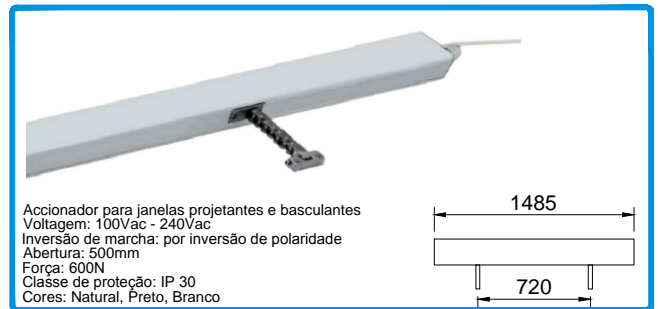
BICHA F604 (POR METRO)
TUBO F111 (3 METROS)



Alimentação: 220V-240V
Curso abertura: 500mm
Força abertura: 300N
Potência: 50W Classe proteção: IP 30

212640

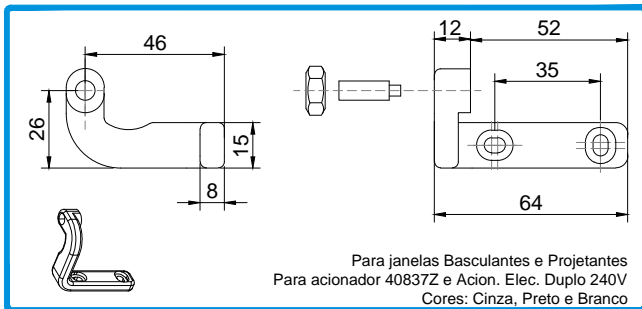
ACIONADOR 40837Z



Acionador para janelas projetantes e basculantes
Voltagem: 100Vac - 240Vac
Inversão de marcha: por inversão de polaridade
Abertura: 500mm
Força: 600N
Classe de proteção: IP 30
Cores: Natural, Preto, Branco

212036

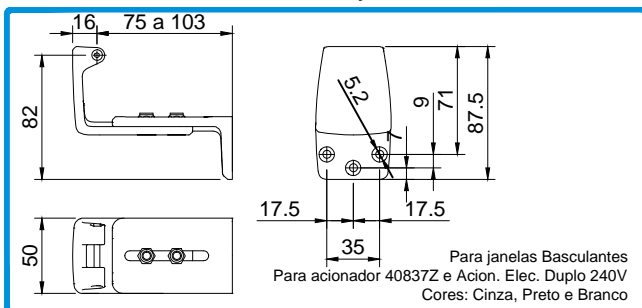
ACIONADOR ELÉCTRICO DUPLO 240Vac 40989D



Para janelas Basculantes e Projetantes
Para acionador 40837Z e Acion. Elec. Duplo 240V
Cores: Cinza, Preto e Branco

223089
223091
223090

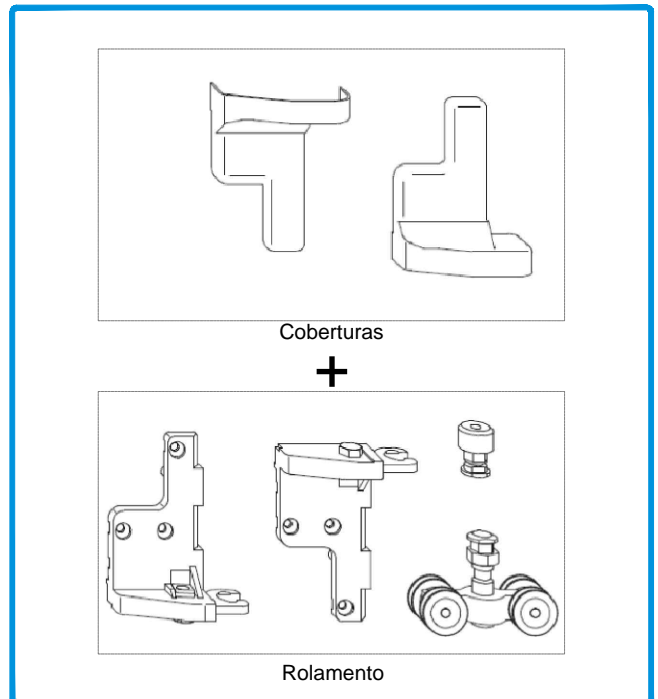
KIT FIXAÇÃO ACIONADOR 40843F CINZA
KIT FIXAÇÃO ACIONADOR 40844G PRETO
KIT FIXAÇÃO ACIONADOR 40845H BRANCO



Para janelas Basculantes
Para acionador 40837Z e Acion. Elec. Duplo 240V
Cores: Cinza, Preto e Branco

230236
230237
230238

SUPORTE P/ MOTOR 41709Z (Cinz.)
SUPORTE P/ MOTOR 41710A (Pr.)
SUPORTE P/ MOTOR 41711B (Br.)



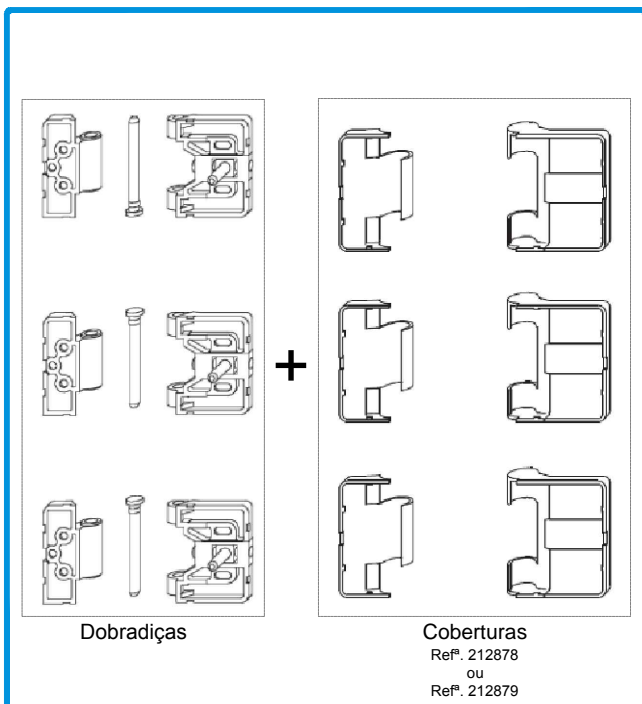
Coberturas

+

Rolamento

212320
212881

CONJUNTO ROLAM. TERM. FS-LM BRUTO
CONJUNTO COBERTURA P/ROLAM. TERM. FS-LM BRC/PRT

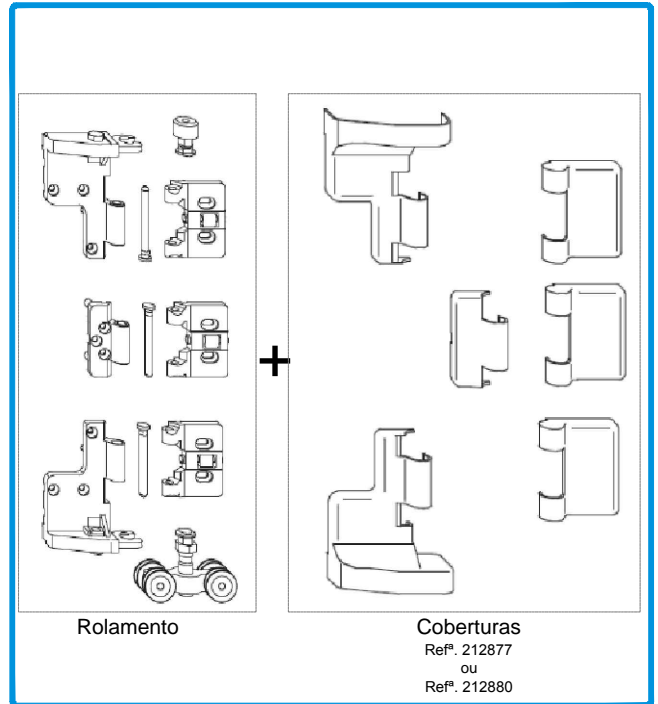


Dobradiças

Coberturas
Ref.º 212878
ou
Ref.º 212879

212064
212879
212878

CONJUNTO DOBRADIÇAS FS-LM BRUTO
CONJUNTO COBERTURAS P/DOBRADIÇAS FS-LM BRC
CONJUNTO COBERTURAS P/DOBRADIÇAS FS-LM PRT

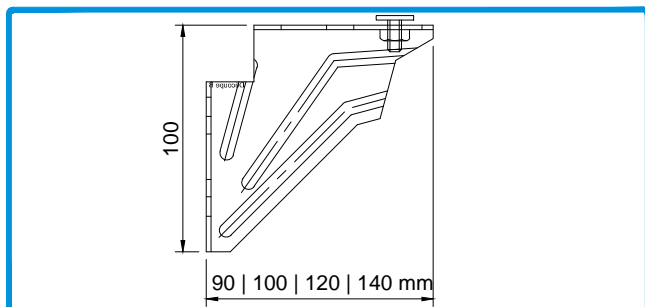


Rolamento

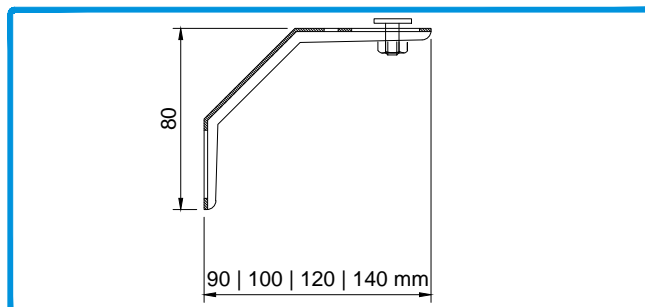
Coberturas
Ref.º 212877
ou
Ref.º 212880

212321
212880
212877

CONJUNTO ROLAM. INTERM. FS-LM BRUTO
CONJUNTO COBERTURA P/ROLAM. INTERM. FS-LM BRC
CONJUNTO COBERTURA P/ROLAM. INTERM. FS-LM PRT



230309 SUPORTE FIXAÇÃO 90mm
 230014 SUPORTE FIXAÇÃO 100mm
 230019 SUPORTE FIXAÇÃO 120mm
 230308 SUPORTE FIXAÇÃO 140mm



213257 ÂNGULO FIXAÇÃO 90mm
 213239 ÂNGULO FIXAÇÃO 100mm
 213240 ÂNGULO FIXAÇÃO 120mm
 213256 ÂNGULO FIXAÇÃO 140mm



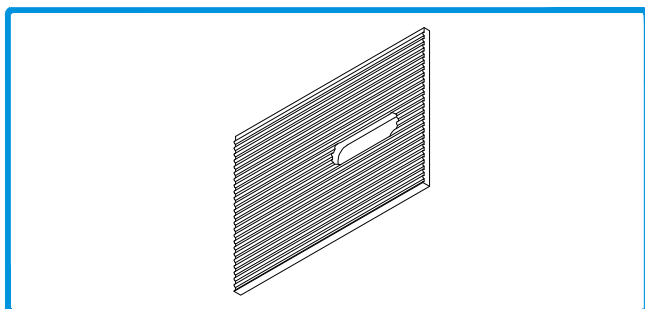
207203

PRESILHA M6 x 17mm



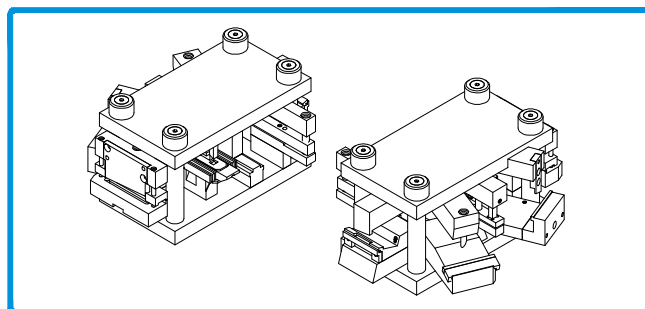
207220

PRESILHA M6 x 37mm



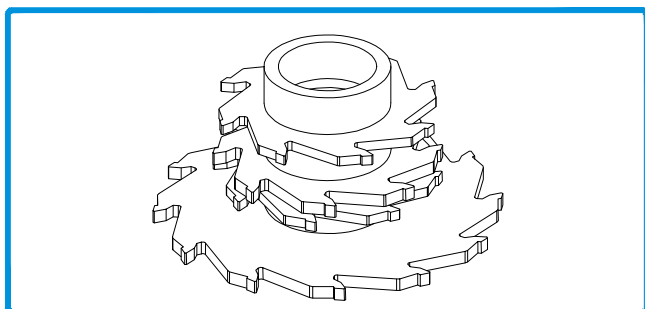
218116

CALÇO SEPARADOR (50 x 70 mm)



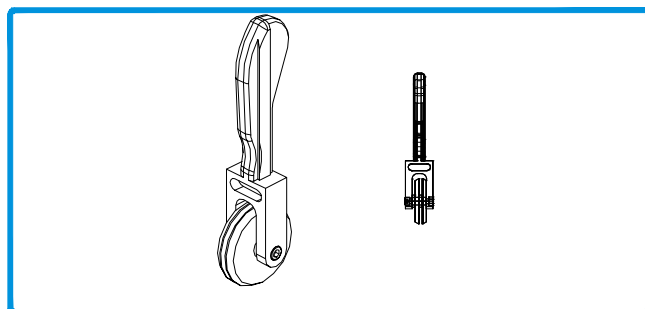
408040

CORTANTE SISTEMA LT



406009

CONJUNTO DE FRESAS SISTEMA LT



425001

ROLETA P/VED. CPT 150D



220100

DISPOSITIVO MANUAL P18/14



426003

TESOURA PARA VEDANTES MULTICOUPL



Limpeza de alumínio lacado ou anodizado.
Para preparação das superfícies a serem unidas e limpeza final.

208704 PRODUTO LIMPEZA DE ALUMÍNIO (1L) Transparente



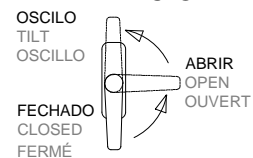
Junta de vedação elástica, resistente aos UV. Impede a corrosão de penetrar pelas zonas cortadas.

208019 SELA JUNTAS 150gr. (Cinza)



221119 FITA E.P.D.M. 5x20mm

FERRAGEM PARA OSCILO-BATENTE RIBANTA 3 - MÁXIMO DE 150Kg - MANOBRA TRADICIONAL
TILT AND TURN HARDWARE RIBANTA 3- 150Kg MAXIMUM - TRADITIONAL MANOEUVRE
FERRURE OSCILLO-BATTANT RIBANTA 3 - MAXIMUM 150Kg - MANOEUVRE TRADITIONNELLE



REGULÁVEL - ADJUSTABLE - RÉGLABLE

FOLHA ATIVA - PESO MÁXIMO: 150Kg *

ACTIVE LEAF - MAXIMUM WEIGHT | VANTAIL DE SERVICE - POIDS MAXIMALE

| CÓDIGO CODE | DESIGNAÇÃO DESIGNATION NOMINATION | 600 - 1400 | | 1401 - 2800 | | |
|----------------|--|-----------------------|-----------------------|-----------------------|-----------------------|---|
| | | 4 PONTOS 350 - 569 | 6 PONTOS 350 - 569 | 4 PONTOS 350 - 569 | 6 PONTOS 350 - 569 | |
| 223035 | KIT OSC-BATENTE 3150 | | | | | 1 |
| 222115 | JOGO DOB. 3100.701 | | | | | 1 |
| 202060 | COMPASSO OSCILO CURTO 3150.752 RB3 | | | | | 1 |
| 223750 | KIT P/6 PONTOS DE FECHO 3000.820 | - | | | 1 | |
| 200798 | MANETE MINIMALISTA CUBIC | | | | | 1 |
| 203017 | CAIXA TRANSMISSÃO + MECANISMO BASE | | | | | |
| 200507 | CREMONE OSCIOBATENTE CUBIC | | | | | |
| 211211 | GABARITO MONTAGEM 3100.950 <small>(facultativo)</small> | | | | | 1 |

FOLHA ATIVA - PESO MÁXIMO: 150Kg *

ACTIVE LEAF - MAXIMUM WEIGHT | VANTAIL DE SERVICE - POIDS MAXIMALE

| CÓDIGO CODE | DESIGNAÇÃO DESIGNATION NOMINATION | 600 - 1400 | | 1401 - 2800 | | |
|----------------|--|----------------------|----------------------|----------------------|----------------------|---|
| | | 4 PONTOS 570-1700 | 6 PONTOS 570-1700 | 4 PONTOS 570-1700 | 6 PONTOS 570-1700 | |
| 223035 | KIT OSC-BATENTE 3150 | | | | | 1 |
| 222115 | JOGO DOB. 3100.701 | | | | | 1 |
| 202058 | COMPASSO OSCILO STANDARD 3150.750 RB3 | | | | | 1 |
| 223750 | KIT P/6 PONTOS DE FECHO 3000.820 | - | | | 1 | |
| 200798 | MANETE MINIMALISTA CUBIC | | | | | 1 |
| 203017 | CAIXA TRANSMISSÃO + MECANISMO BASE | | | | | |
| 200507 | CREMONE OSCIOBATENTE CUBIC | | | | | |
| 211211 | GABARITO MONTAGEM 3100.950 <small>(facultativo)</small> | | | | | 1 |

FOLHA ATIVA - PESO MÁXIMO: 150Kg *

ACTIVE LEAF - MAXIMUM WEIGHT | VANTAIL DE SERVICE - POIDS MAXIMALE

| CÓDIGO CODE | DESIGNAÇÃO DESIGNATION NOMINATION | 600 - 1400 | | 1401 - 2800 | | |
|----------------|--|-----------------------|-----------------------|-----------------------|-----------------------|---|
| | | 4 PONTOS 1201-1400 | 6 PONTOS 1201-1400 | 4 PONTOS 1201-1400 | 6 PONTOS 1201-1400 | |
| 223035 | KIT OSC-BATENTE 3150 | | | | | 1 |
| 222115 | JOGO DOB. 3100.701 | | | | | 1 |
| 202058 | COMPASSO OSCILO STANDARD 3150.750 RB3 | | | | | 1 |
| 202068 | COMPASSO SUPLEMENTAR 3100.800 | | | | | 1 |
| 201463 | FECHO LAT. 1243.710 | | | | | 1 |
| 211524 | PONTO DE FECHO 3100.821 | | | | | 1 |
| 202075 | CONTRA-FECHO 1243.721 | | | | | 2 |
| 223750 | KIT P/6 PONTOS DE FECHO 3000.820 | - | | | 1 | |
| 200798 | MANETE MINIMALISTA CUBIC | | | | | 1 |
| 203017 | CAIXA TRANSMISSÃO + MECANISMO BASE | | | | | |
| 200507 | CREMONE OSCIOBATENTE CUBIC | | | | | |
| 211211 | GABARITO MONTAGEM 3100.950 <small>(facultativo)</small> | | | | | 1 |

FOLHA ATIVA - PESO MÁXIMO: 150Kg *

ACTIVE LEAF - MAXIMUM WEIGHT | VANTAIL DE SERVICE - POIDS MAXIMALE

| CÓDIGO CODE | DESIGNAÇÃO DESIGNATION NOMINATION | 1401-2800 | | |
|----------------|--|-----------------------|-----------------------|---|
| | | 8 PONTOS 1401-1700 | 8 PONTOS 1401-1700 | |
| 223035 | KIT OSC-BATENTE 3150 | | | 1 |
| 222115 | JOGO DOB. 3100.701 | | | 1 |
| 202058 | COMPASSO OSCILO STANDARD 3150.750 RB3 | | | 1 |
| 202068 | COMPASSO SUPLEMENTAR 3100.800 | | | 1 |
| 201463 | FECHO LAT. 1243.710 | | | 1 |
| 211524 | PONTO DE FECHO 3100.821 | | | 1 |
| 202075 | CONTRA-FECHO 1243.721 | | | 2 |
| 223750 | KIT P/6 PONTOS DE FECHO 3000.820 | | | 1 |
| 200798 | MANETE MINIMALISTA CUBIC | | | 1 |
| 203017 | CAIXA TRANSMISSÃO + MECANISMO BASE | | | |
| 200507 | CREMONE OSCIOBATENTE CUBIC | | | |
| 211211 | GABARITO MONTAGEM 3100.950 <small>(facultativo)</small> | | | 1 |

FOLHA PASSIVA - PESO MÁXIMO: 150Kg

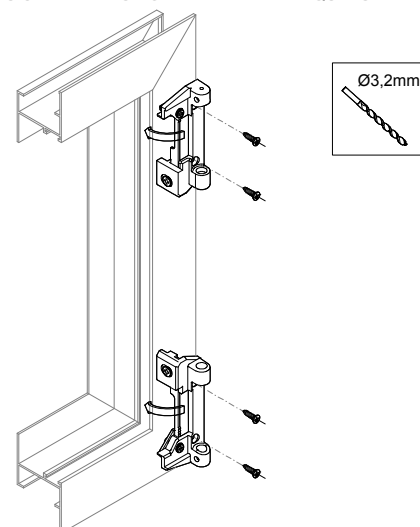
NON-ACTIVE LEAF - MAXIMUM WEIGHT | VANTAIL SEMI-FIXE - POIDS MAXIMALE

| CÓDIGO CODE | DESIGNAÇÃO DESIGNATION NOMINATION | 600-1400 | | 1401-2700 | | |
|----------------|--|----------|----------|-----------|----------|---|
| | | 2 PONTOS | 3 PONTOS | 2 PONTOS | 3 PONTOS | |
| 223030 | KIT 2ª FOLHA F31830.92 RB3 (Br./Pr.) | | | | | 1 |
| 201537 | FECHO SUPLEMENTAR 1246.832 | - | | | 1 | |

* PARA PESOS SUPERIORES A 100Kg E ATÉ 150Kg, DEVERÃO SER APLICADOS OS PARAFUSOS FORNECIDOS JUNTO COM AS DOBRADIÇAS

FOR WEIGHTS OVER 100Kg AND UP TO 150Kg, THE SCREWS SUPPLIED WITH THE HINGES MUST BE APPLIED

POUR LES POIDS SUPÉRIEURS À 100Kg ET JUSQU'À 150Kg, LES VIS FOURNIES AVEC LES CHARNIÈRES DOIVENT ÊTRE APPLIQUÉES



SOLICITAR O SEU MAPA DE MONTAGEM
 ASK YOUR ASSEMBLY CARD | DEMANDEZ VOTRE CARTE DE MONTAGE

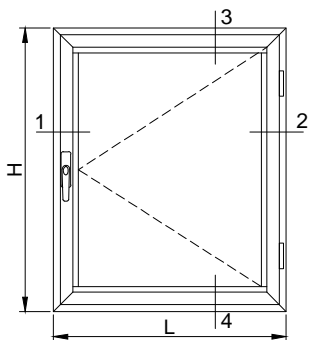
IMPORTANTE | IMPORTANT | IMPORTANT:

AS MEDIDAS MINI E MAXI PARA L/H REPORTAM-SE ÀS DIMENSÕES DA ÁREA MÓVEL DA JANELA DISPONÍVEL DIVERSAS ALTERNATIVAS PARA FECHO PARA MAIS INFORMAÇÕES CONSULTAR O NOSSO DEPARTAMENTO TÉCNICO.

THE MINI AND MAXI MEASURES FOR L/H ARE REPORTED TO THE DIMENSIONS OF THE WINDOW MOBILE AREA AVAILABLE DIFFERENT ALTERNATIVES FOR LOCKER FOR MORE INFORMATION, CONSULT OUR TECHNICAL DEPARTMENT.

LES MESURES MINI ET MAXI DE L/H SONT RAPPORTÉES AUX DIMENSIONS DE LA SURFACE MOBILE DE LA FENÊTRE DIFFÉRENTES ALTERNATIVES DISPONIBLES POUR LA FERMETURE POUR PLUS D'INFORMATIONS, MERCI DE CONSULTER NOTRE DÉPARTEMENT TECHNIQUE.

JANELA DE BATENTE DE 1 FOLHA - LT OCULTA
 COM JUNTA REMATE PAREDE - COM E SEM SOLEIRA



| PERFIS (COM JUNTA REMATE PAREDE - SEM SOLEIRA) | | | | | | |
|---|------------------|------------|--------------|-------------|--------|-------|
| DES ^o | REF ^o | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-6 | 2+2 | |
| | LT-90 | ARO MÓVEL | L-48,5 | H-48,5 | 2+2 | |
| | LT-95 | BITE RETO | L-95,5 | H-95,5 | 2+2 | |
| | SA-33 | VARETA | - | (H-290)/2 | 2 | |

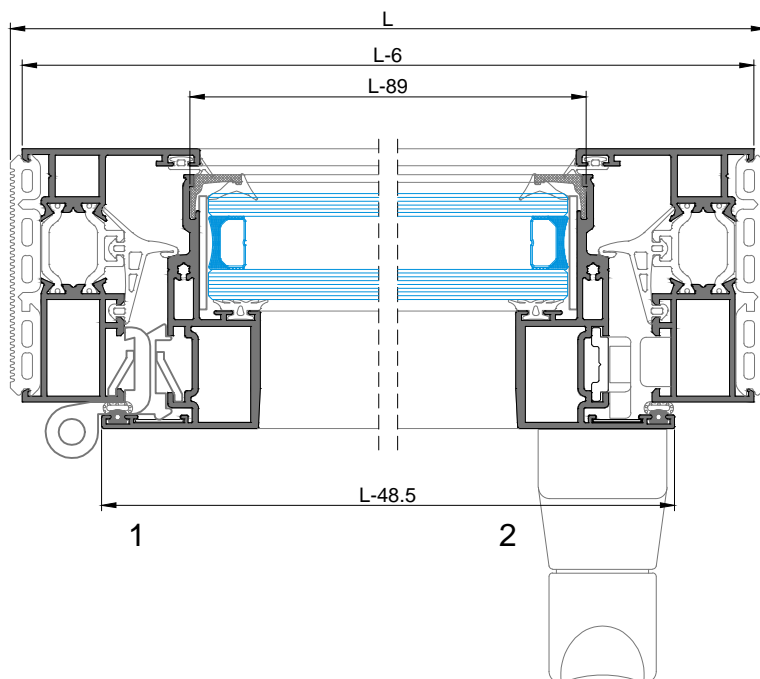
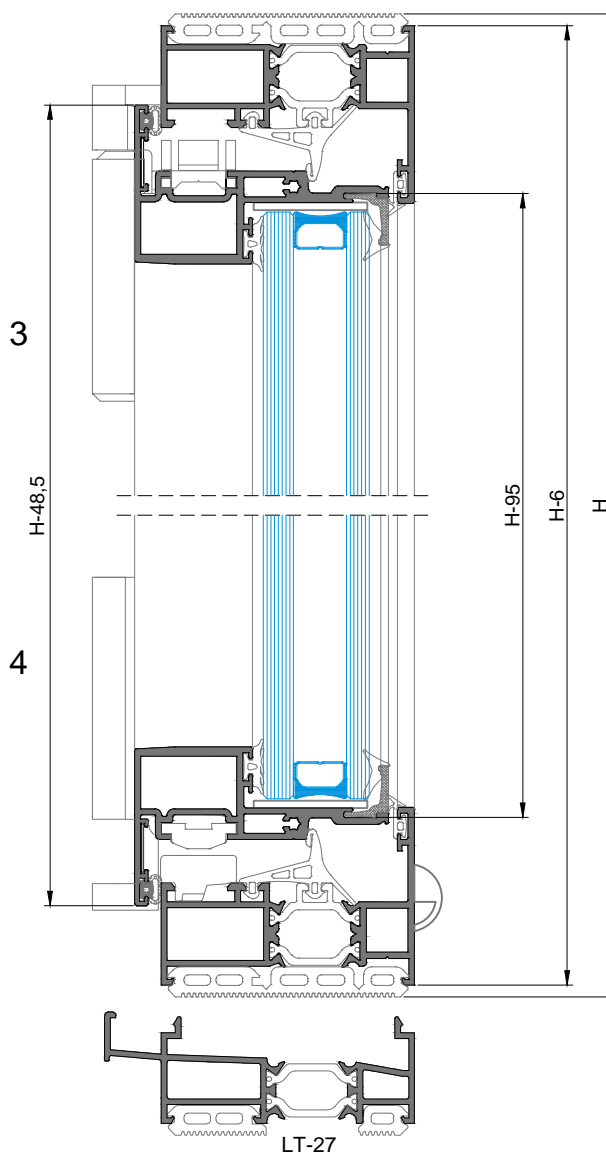
| MEDIDAS VIDROS (COM JUNTA REMATE PAREDE - SEM SOLEIRA) | |
|---|------------|
| Lvidro(mm) | Hvidro(mm) |
| L-104 | H-104 |

| PERFIS (COM JUNTA REMATE PAREDE - COM SOLEIRA) | | | | | | |
|---|------------------|------------------|--------------|-------------|--------|-------|
| DES ^o | REF ^o | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-30 | 2+2 | |
| | LT-90 | ARO MÓVEL | L-48,5 | H-72,5 | 2+2 | |
| | LT-27 | SOLEIRA CONDENS. | L-6 | - | 1 | |
| | LT-95 | BITE RETO | L-95 | H-119 | 2+2 | |
| | SA-33 | VARETA | - | (H-290)/2 | 2 | |

| MEDIDAS VIDROS (COM JUNTA REMATE PAREDE - COM SOLEIRA) | |
|---|------------|
| Lvidro(mm) | Hvidro(mm) |
| L-104 | H-128 |

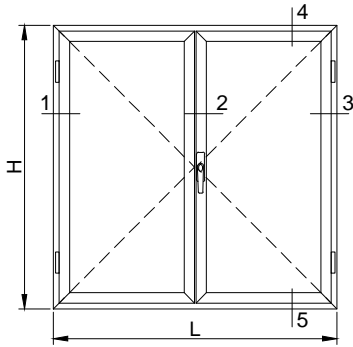
| ACESSÓRIOS | | |
|------------|--|--------|
| CÓDIGO | DESIGNAÇÃO | QUANT. |
| 210154 | GOTEIRA 1875 | 2 |
| 213246 | CANTO CR S/SB | 4 |
| 204901 | ESQ. 18-1112-C | 4 |
| 204728 | ESQ. AT E P | 8 |
| 202208 | DOB. 1121.1 | 2 |
| 200302 | CREMONE 870.2 | 1 |
| 215114 | PEÇA CREMONE VARETA 1481 | 2 |
| 206490 | TERMINAL VARETA 1486 | 2 |
| 202090 | CONTRA-FECHO DUPLO 1416.6 | 2 |
| 218113 | CALÇOS P/VIDRO 79x40x2 | 4 |
| 212366 | CONJUNTO TOPO SOL 26 (Adicionar com aplicação de soleira) | 1 |

| VEDANTES | | | |
|------------------|----------|----------------------------|--------|
| DES ^o | CÓDIGO | DESIGNAÇÃO | QUANT. |
| | 208152 | JUNTA REMATE PAREDE 2069 | 2L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 2L+2H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+2H |
| | 208278 | JUNTA DE ESTANQUIDADE 2112 | 2L+2H |
| | 208289 | JUNTA DE BATENTE 2055 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |



JANELA DE BATENTE DE 2 FOLHAS - LT OCULTA

COM JUNTA REMATE PAREDE - COM E SEM SOLEIRA



| PERFIS (COM JUNTA REMATE PAREDE - SEM SOLEIRA) | | | | | | |
|---|-------|------------|--------------|-------------|--------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-6 | 2+2 | |
| | LT-90 | ARO MÓVEL | (L-55)/2 | H-48,5 | 4+4 | |
| | LT-96 | INVERSOR | - | H-116,5 | 1 | |
| | LT-95 | BITE RETO | (L-149)/2 | H-95 | 4+4 | |
| | SA-33 | VARETA | - | (H-290)/2 | 2 | |

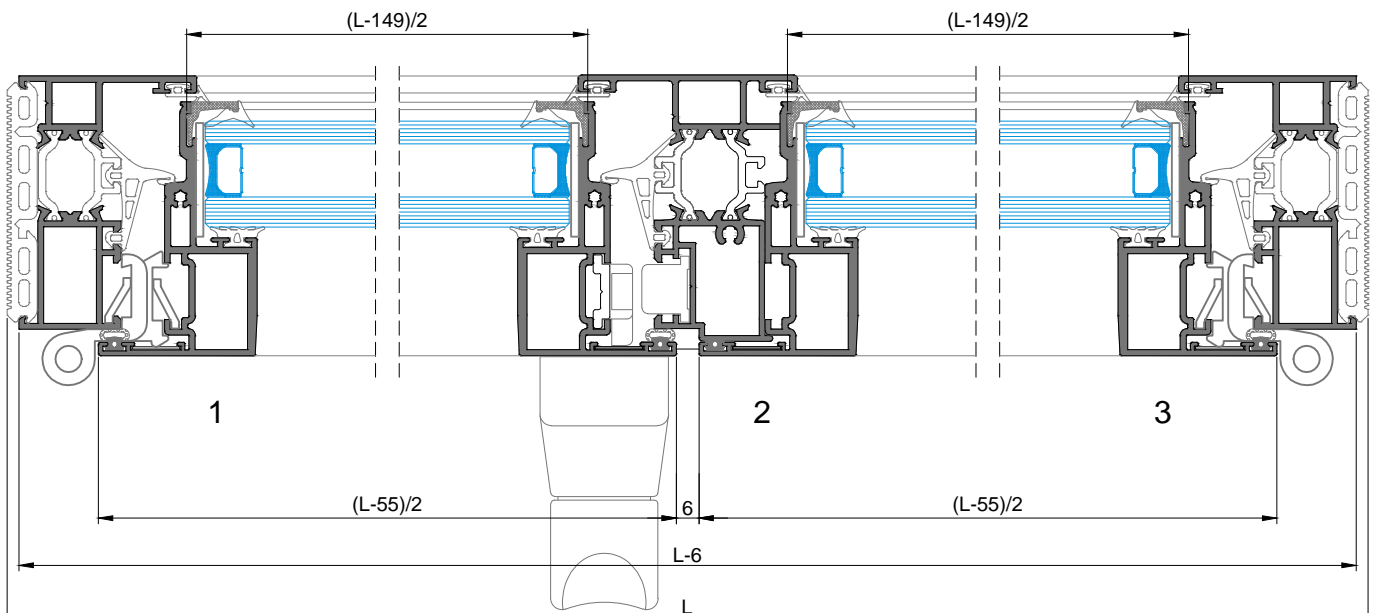
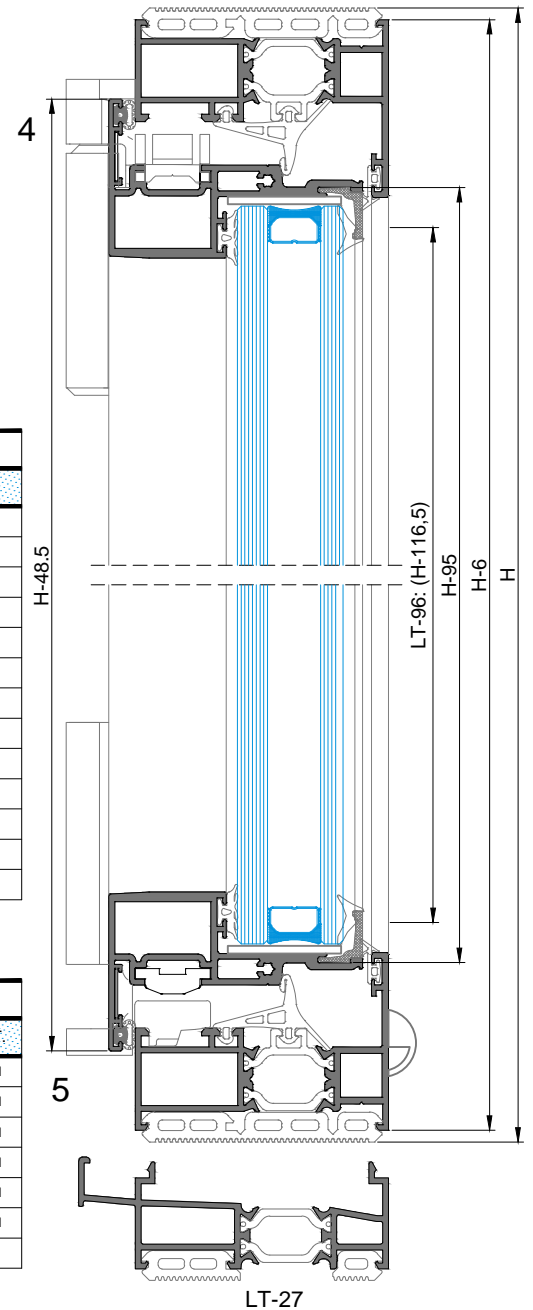
| MEDIDAS VIDROS (COM JUNTA REMATE PAREDE - SEM SOLEIRA) | |
|---|------------|
| Lvidro(mm) | Hvidro(mm) |
| (L/2)-84 | H-104 |

| PERFIS (COM JUNTA REMATE PAREDE - COM SOLEIRA) | | | | | | |
|---|--------|------------------|--------------|-------------|--------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-30 | 2+2 | |
| | LT-90 | ARO MÓVEL | (L/2)-27,5 | H-72,5 | 4+4 | |
| | LT-96 | INVERSOR | - | H-140,5 | 1 | |
| | LT-27 | SOLEIRA CONDENS. | L-6 | - | 1 | |
| | LT-95 | BITE RETO | (L/2)-74,5 | H-119 | 4+4 | |
| SA-33 | VARETA | - | (H-290)/2 | 2 | | |

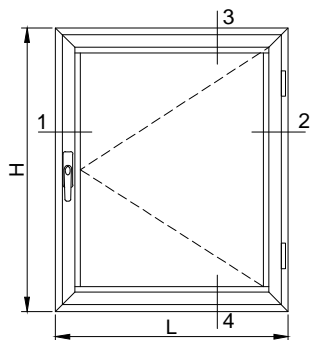
| MEDIDAS VIDROS (COM JUNTA REMATE PAREDE - COM SOLEIRA) | |
|---|------------|
| Lvidro(mm) | Hvidro(mm) |
| (L/2)-84 | H-128 |

| ACESSÓRIOS | | |
|------------|--|--------|
| CÓDIGO | DESIGNAÇÃO | QUANT. |
| 210154 | GOTEIRA 1875 | 2 |
| 213246 | CANTO CR S/SB | 8 |
| 204901 | ESQ. 18-1112-C | 4 |
| 204728 | ESQ. AT E P | 12 |
| 202208 | DOB. 1121.1 | 4 |
| 200302 | CREMONE 870.2 | 1 |
| 215114 | PEÇA CREMONE VARETA 1481 | 2 |
| 206490 | TERMINAL VARETA 1486 | 2 |
| 202090 | CONTRA-FECHO DUPLO 1416.6 | 2 |
| 218113 | CALÇOS P/VIDRO 79x40x2 | 8 |
| 212057 | CONJ. INVERSOR LT-OCULTA | 1 |
| 201490 | FECHO P/ 2ª FOLHA 1541 | 2 |
| 212366 | CONJUNTO TOPO SOL 26 (Adicionar com aplicação de soleira) | 1 |

| VEDANTES | | | |
|----------|----------|----------------------------|--------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANT. |
| | 208152 | JUNTA REMATE PAREDE 2069 | 2L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 2L+3H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+3H |
| | 208278 | JUNTA DE ESTANQUIDADE 2112 | 2L+4H |
| | 208289 | JUNTA DE BATENTE 2055 | 2L+4H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+4H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |



JANELA DE BATENTE DE 1 FOLHA - LT 71 + LT 90

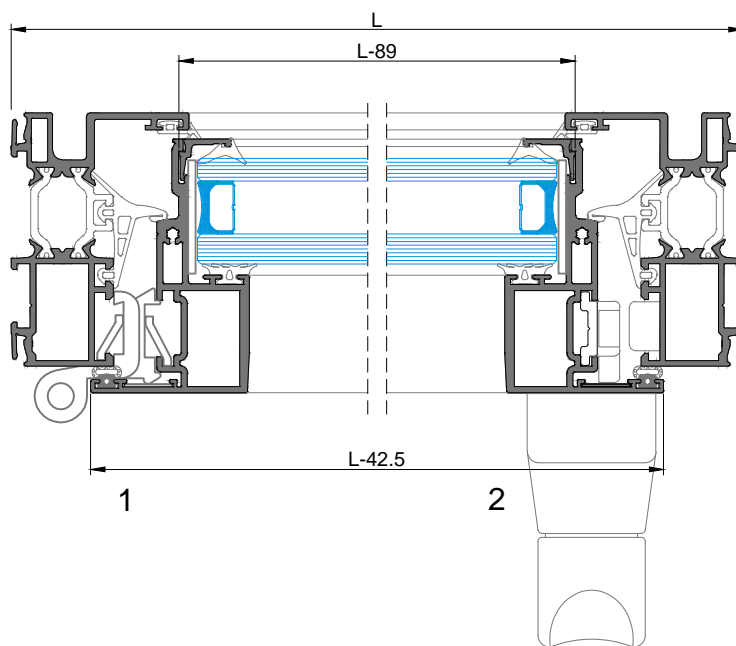
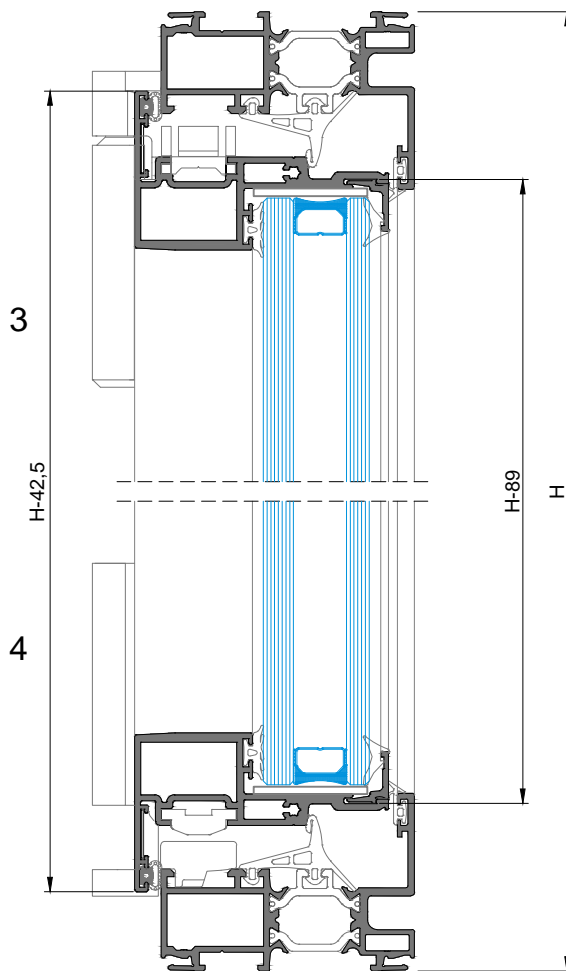


| PERFIS | | | | | | |
|--------|-------|------------|--------------|-------------|--------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-71 | ARO FIXO | L | H | 2+2 | |
| | LT-90 | ARO MÓVEL | L-42,5 | H-42,5 | 2+2 | |
| | LT-95 | BITE RETO | L-89 | H-89 | 2+2 | |
| | SA-33 | VARETA | - | (H-284)/2 | 2 | |

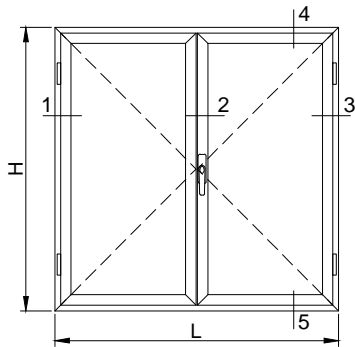
| MEDIDAS VIDROS | |
|----------------|------------|
| Lvidro(mm) | Hvidro(mm) |
| L-98 | H-98 |

| ACESSÓRIOS | | |
|------------|--|--------|
| CÓDIGO | DESIGNAÇÃO | QUANT. |
| 213246 | CANTO CR S/SB | 4 |
| 204163 | ESQUADRO LT 1104 | 4 |
| 204728 | ESQ. AT E P | 8 |
| 202208 | DOB. 1121.1 | 2 |
| 200302 | CREMONE 870.2 | 1 |
| 215114 | PEÇA CREMONE VARETA 1481 | 2 |
| 206490 | TERMINAL VARETA 1486 | 2 |
| 202090 | CONTRA-FECHO DUPLO 1416.6 | 2 |
| 218113 | CALÇOS P/VIDRO 79x40x2 | 4 |
| 212366 | CONJUNTO TOPO SOL 26 (Adicionar com aplicação de soleira) | 1 |

| VEDANTES | | | |
|----------|----------|----------------------------|--------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANT. |
| | 208008 | JUNTA INTERIOR 2051 | 2L+2H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+2H |
| | 208278 | JUNTA DE ESTANQUIDADE 2112 | 2L+2H |
| | 208289 | JUNTA DE BATENTE 2055 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |



JANELA DE 2 FOLHAS - LT 71 + LT 90

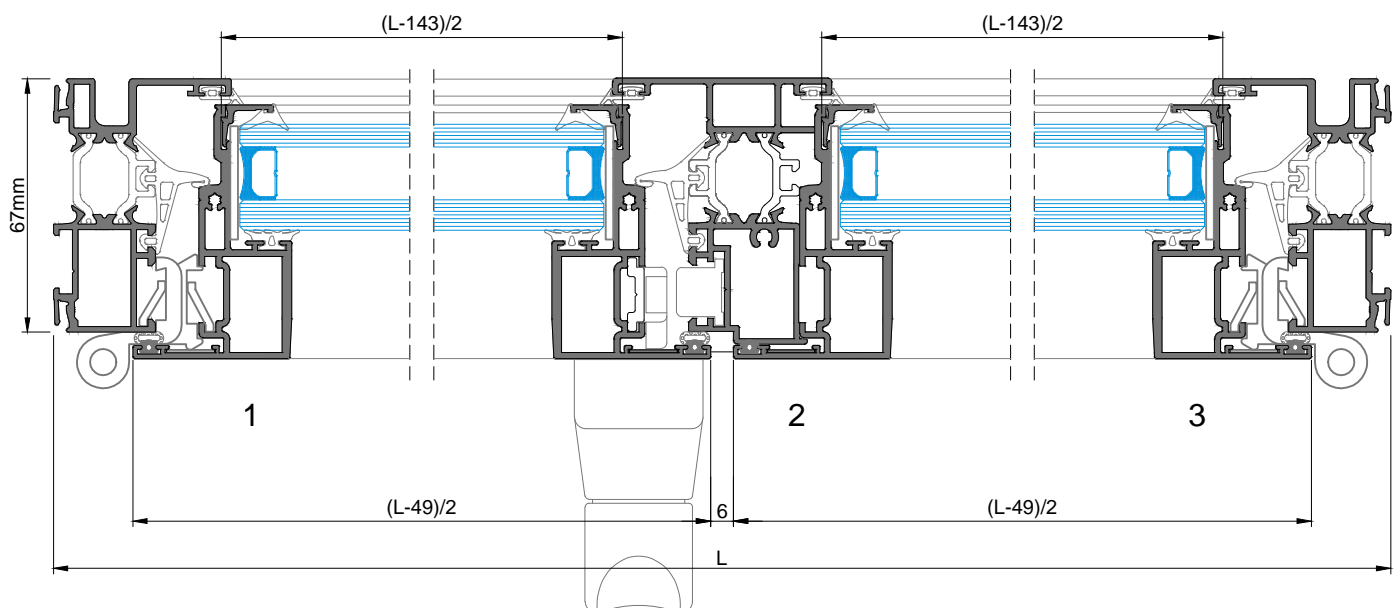
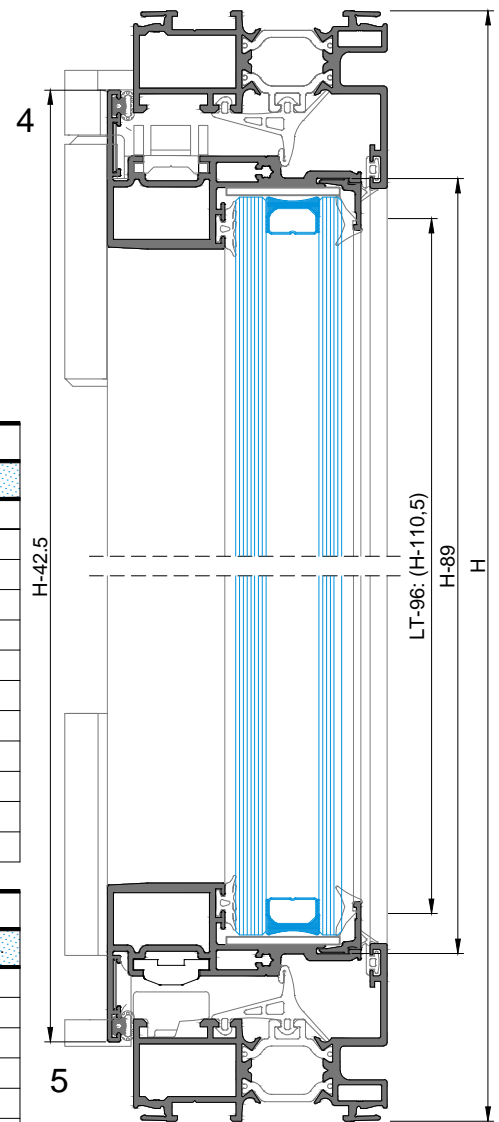


| PERFIS | | | | | | |
|--------|-------|------------|--------------|-------------|--------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| LT | LT-71 | ARO FIXO | L | H | 2+2 | |
| | LT-90 | ARO MÓVEL | (L-49)/2 | H-42,5 | 4+4 | |
| | LT-96 | INVERSOR | - | H-110,5 | 1 | |
| | LT-95 | BITE RETO | (L-143)/2 | H-89 | 4+4 | |
| SA | SA-33 | VARETA | - | (H-284)/2 | 2 | |

| MEDIDAS VIDROS | |
|----------------|------------|
| Lvidro(mm) | Hvidro(mm) |
| (L/2)-81 | H-98 |

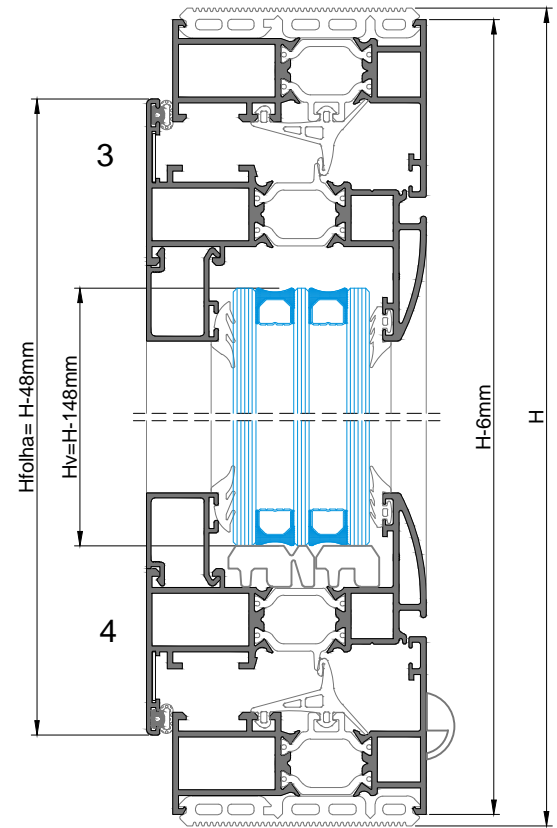
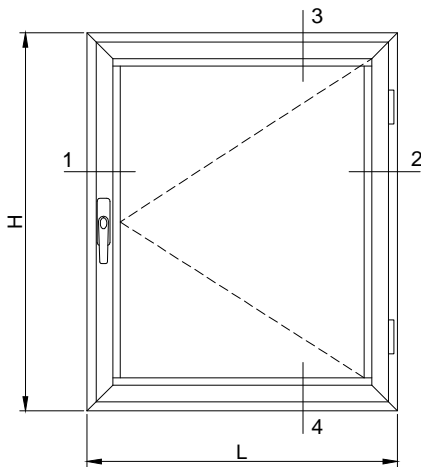
| ACESSÓRIOS | | |
|------------|--|--------|
| CÓDIGO | DESIGNAÇÃO | QUANT. |
| 213246 | CANTO CR S/SB | 8 |
| 204163 | ESQUADRO LT 1104 | 4 |
| 204728 | ESQ. AT E P | 12 |
| 202208 | DOB. 1121.1 | 4 |
| 200302 | CREMONE 870.2 | 1 |
| 215114 | PEÇA CREMONE VARETA 1481 | 2 |
| 206490 | TERMINAL VARETA 1486 | 2 |
| 202090 | CONTRA-FECHO DUPLO 1416.6 | 2 |
| 218113 | CALÇOS P/VIDRO 79x40x2 | 8 |
| 212057 | CONJ. INVERSOR LT-OCULTA | 1 |
| 201490 | FECHO P/ 2ª FOLHA 1541 | 2 |
| 212366 | CONJUNTO TOPO SOL 26 (Adicionar com aplicação de soleira) | 1 |

| VEDANTES | | | |
|----------|----------|----------------------------|--------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANT. |
| 6 | 208008 | JUNTA INTERIOR 2051 | 2L+3H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+3H |
| 7 | 208278 | JUNTA DE ESTANQUIDADE 2112 | 2L+4H |
| | 208289 | JUNTA DE BATENTE 2055 | 2L+4H |
| 8 | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+4H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |



JANELA DE 1 FOLHA - LT 01 + LT 85

COM JUNTA REMATE PAREDE - SEM SOLEIRA

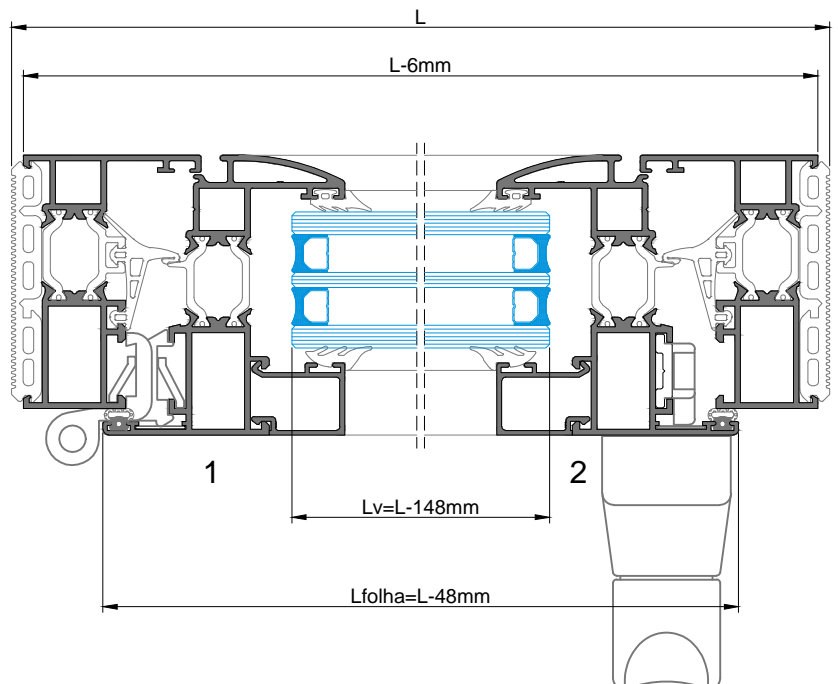


| PERFIS | | | | | | |
|--------|-------|------------|--------------|-------------|--------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-6 | 2+2 | |
| | LT-85 | ARO MÓVEL | L-48 | H-48 | 2+2 | |
| | - | BITE RETO | L-136 | H-176 | 2+2 | |
| | SA-33 | VARETA | - | (H-290)/2 | 2 | |

| MEDIDAS VIDROS | |
|----------------|------------|
| Lvidro(mm) | Hvidro(mm) |
| L-148 | H-148 |

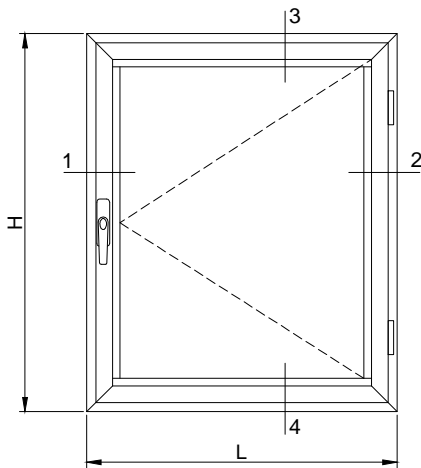
| ACESSÓRIOS | | |
|------------|---------------------------|------------|
| CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| 210154 | GOTEIRA 1875 | 2 |
| 213246 | CANTO CR S/SB | 4 |
| 204901 | ESQ. 18-1112-C | 8 |
| 204728 | ESQ. AT E P | 8 |
| 202208 | DOB. 1121.1 | 2 |
| 200302 | CREMONE 870.2 | 1 |
| 215114 | PEÇA CREMONE VARETA 1481 | 2 |
| 206490 | TERMINAL VARETA1486 | 2 |
| 202090 | CONTRA-FECHO DUPLO 1416.6 | 2 |
| 218194 | CALÇOS P/VIDRO EURO 2000 | 4 |

| VEDANTES | | | |
|----------|----------|---------------------------|------------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| | 208152 | JUNTA REMATE PAREDE 2069 | 2L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 2L+2H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+2H |
| | 208350 | JUNTA EXTERIOR VIDRO 2003 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |



JANELA DE 1 FOLHA - LT 07 + LT 85

COM JUNTA REMATE PAREDE - COM SOLEIRA

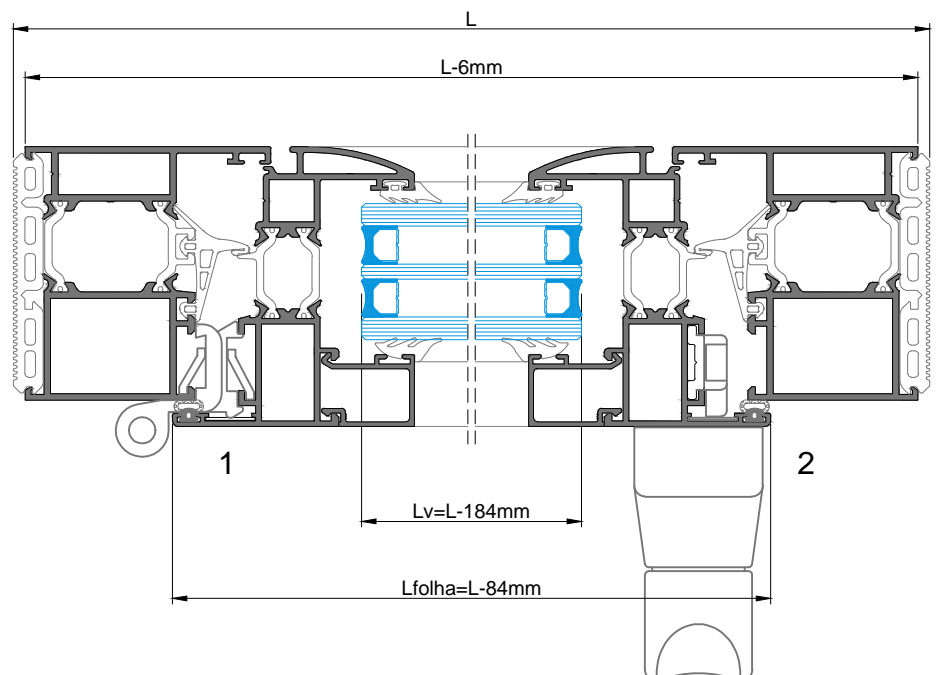
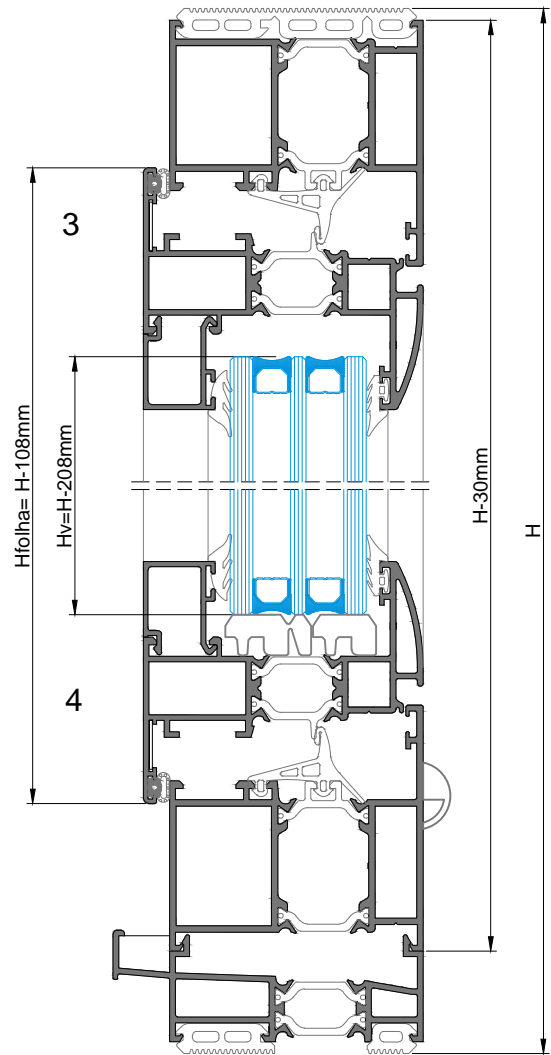


| PERFIS | | | | | | |
|------------------|------------------|------------------|-----------------|----------------|--------|-------|
| DES ^o | REF ^o | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-07 | ARO FIXO | L-6 | H-30 | 2+2 | |
| | LT-85 | ARO MÓVEL | L-84 | H-108 | 2+2 | |
| | LT-27 | SOLEIRA CONDENS. | L-6 | - | 1 | |
| | - | BITE RETO | L-172 | H-236 | 2+2 | |
| | SA-33 | VARETA | - | (H-350)/2 | 2 | |

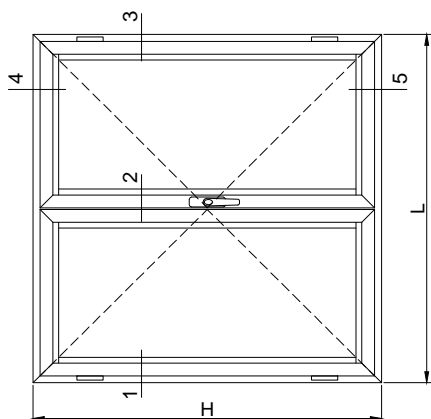
| MEDIDAS VIDROS | |
|----------------|------------|
| Lvidro(mm) | Hvidro(mm) |
| L-184 | H-208 |

| ACESSÓRIOS | | |
|------------|---------------------------|------------|
| CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| 210154 | GOTEIRA 1875 | 2 |
| 213246 | CANTO CR S/SB | 4 |
| 204009 | ESQ. 18-1130-C | 4 |
| 204730 | ESQ. AT. E G | 4 |
| 204901 | ESQ. 18-1112-C | 4 |
| 204728 | ESQ. AT E P | 4 |
| 202208 | DOB. 1121.1 | 2 |
| 200302 | CREMONE 870.2 | 1 |
| 215114 | PEÇA CREMONE VARETA 1481 | 2 |
| 206490 | TERMINAL VARETA1486 | 2 |
| 202090 | CONTRA-FECHO DUPLO 1416.6 | 2 |
| 218194 | CALÇOS P/VIDRO EURO 2000 | 4 |
| 212366 | CONJ. TOPO SOL26 | 1 |

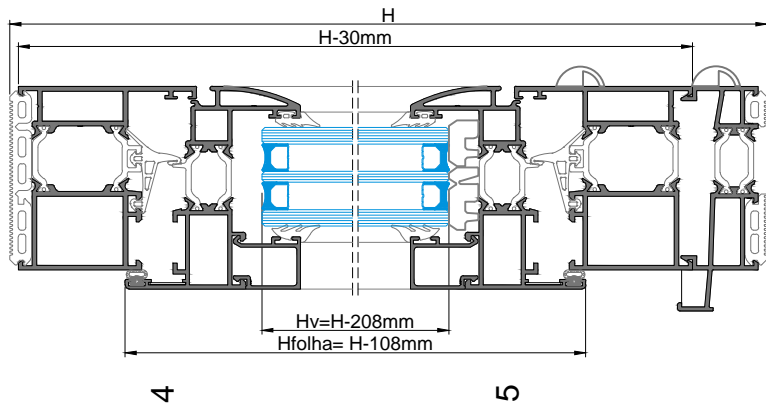
| VEDANTES | | | |
|------------------|----------|---------------------------|------------|
| DES ^o | CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| | 208152 | JUNTA REMATE PAREDE 2069 | 2L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 2L+2H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+2H |
| | 208350 | JUNTA EXTERIOR VIDRO 2003 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |



JANELA 2 FOLHAS ABERTURA PARA O INTERIOR



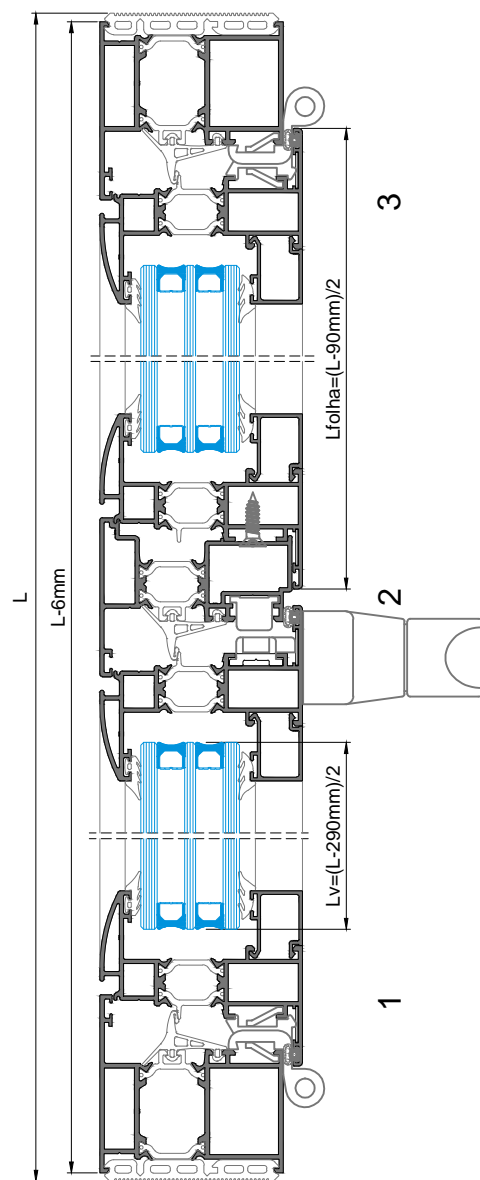
| ACESSÓRIOS | | |
|------------|--|------------|
| CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| 210154 | GOTEIRA 1875 | 2 |
| 213246 | CANTO CR S/SB | 8 |
| 204009 | ESQ. 18-1130-C | 4 |
| 204730 | ESQ. AT. E G | 4 |
| 204901 | ESQ. 18-1112-C | 8 |
| 204728 | ESQ. AT EP | 8 |
| 202208 | DOB. 1121.1 | 4 |
| 200302 | CREMONE 870.2 | 1 |
| 215114 | PEÇA CREMONE VARETA 1481 | 2 |
| 206490 | TERMINAL VARETA 1486 | 2 |
| 202090 | CONTRA-FECHO DUPLO 1416.6 | 2 |
| 218194 | CALÇOS P/VIDRO EURO 2000 | 8 |
| 212014 | CONJ. INVERSOR LT | 1 |
| 201480 | FECHO P/ 2ª FOLHA 1541 | 2 |
| 212366 | CONJUNTO TOPO SOL 26 (Adicional com aplicação de soleira) | 1 |



| PERFIS (COM JUNTA REMATE PAREDE - COM SOLEIRA) | | | | | |
|---|------------------|------------------|-----------------------------|--------------|-----|
| DES ^o | REF ^o | DESIGNAÇÃO | CORTE CORTE HORIZ. VERT. | QUANT. CORTE | |
| | LT-07 | ARO FIXO | L-6 | H-30 | 2+2 |
| | LT-85 | ARO MÓVEL | (L-90)/2 | H-108 | 4+4 |
| | LT-06 | INVERSOR | - | H-176 | 1 |
| | LT-27 | SOLEIRA CONDENS. | L-6 | - | 1 |
| | - | BITE RETO | (L-286)/2 | H-236 | 4+4 |
| | SA-33 | VARETA | - | (H-350)/2 | 2 |

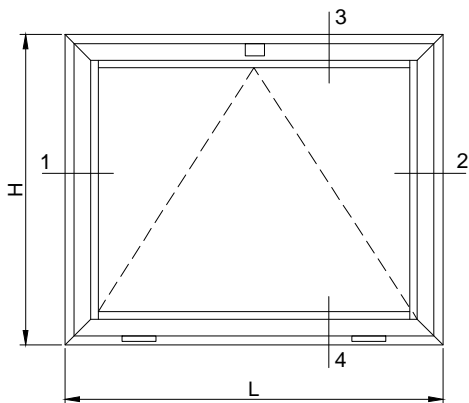
| PERFIS (COM JUNTA REMATE PAREDE - SEM SOLEIRA) | | | | | |
|---|------------------|------------|-----------------------------|--------------|-----|
| DES ^o | REF ^o | DESIGNAÇÃO | CORTE CORTE HORIZ. VERT. | QUANT. CORTE | |
| | LT-07 | ARO FIXO | L-6 | H-6 | 2+2 |
| | LT-85 | ARO MÓVEL | (L-90)/2 | H-84 | 4+4 |
| | LT-06 | INVERSOR | - | H-152 | 1 |
| | - | BITE RETO | (L-286)/2 | H-212 | 4+4 |
| | SA-33 | VARETA | - | (H-326)/2 | 2 |

| VEDANTES | | | |
|------------------|----------|---------------------------|------------|
| DES ^o | CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| | 208152 | JUNTA REMATE PAREDE 2069 | 2L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 2L+3H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+3H |
| | 208350 | JUNTA EXTERIOR VIDRO 2003 | 2L+4H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+4H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |



JANELA BASCULANTE

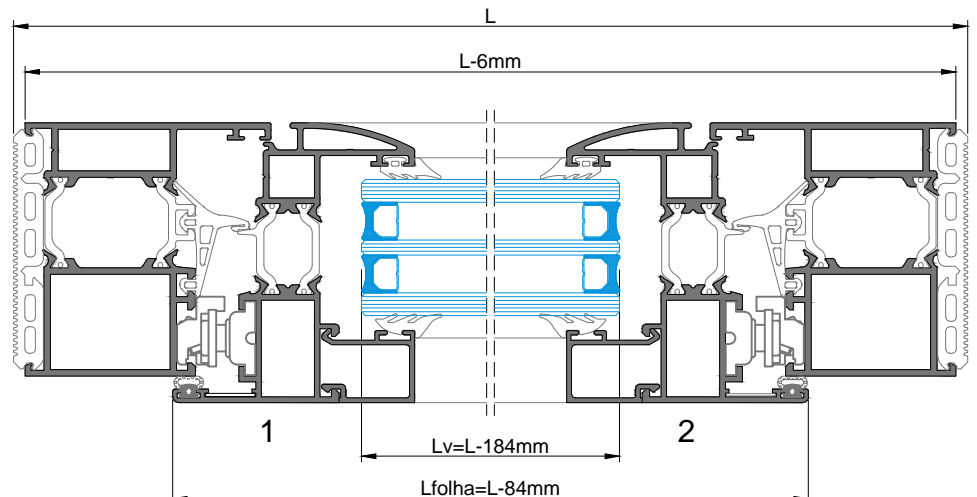
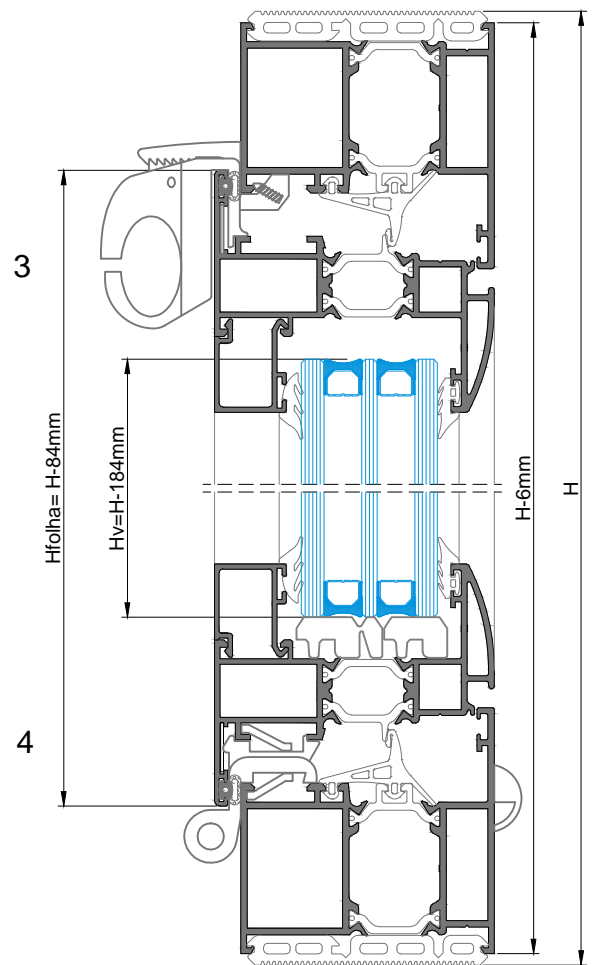
COM JUNTA REMATE PAREDE - SEM SOLEIRA



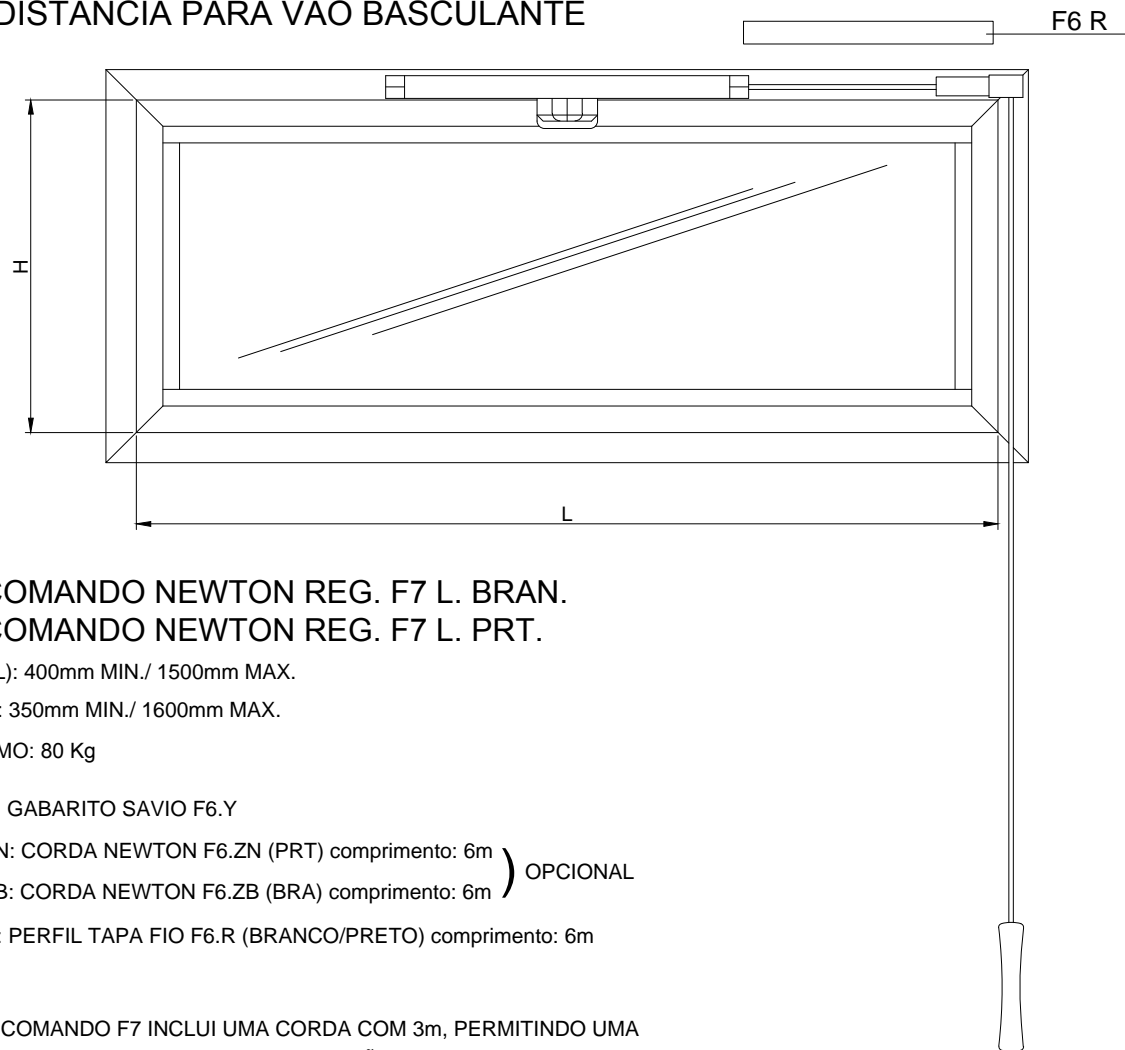
| PERFIS | | | | | | |
|--------|-------|------------|--------------|-------------|--------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-07 | ARO FIXO | L-6 | H-6 | 2+2 | |
| | LT-85 | ARO MÓVEL | L-84 | H-84 | 2+2 | |
| | - | BITE RETO | L-172 | H-212 | 2+2 | |

| ACESSÓRIOS | | |
|------------|---------------------------|--------------------------|
| CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| 210154 | GOTEIRA 1875 | 2 |
| 213246 | CANTO CR S/SB | 4 |
| 204009 | ESQ. 18-1130-C | 4 |
| 204730 | ESQ. AT. E G | 4 |
| 204901 | ESQ. 18-1112-C | 4 |
| 204728 | ESQ. AT E P | 4 |
| 202208 | DOB. 1121.1 | 2 |
| 201497 | FECHO P/BASCULANTE 1370.1 | 1 (L>800 · QUANT.= 2) |
| 210114 | BRAÇO PIOVRA 1344.4 | 2 |
| 218194 | CALÇOS P/VIDRO EURO 2000 | 8 |

| VEDANTES | | | |
|----------|----------|---------------------------|------------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| | 208152 | JUNTA REMATE PAREDE 2069 | 2L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 2L+2H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+2H |
| | 208350 | JUNTA EXTERIOR VIDRO 2003 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |



COMANDO À DISTÂNCIA PARA VÃO BASCULANTE



REF^a.: COMANDO NEWTON REG. F7 L. BRAN.

REF^a.: COMANDO NEWTON REG. F7 L. PRT.

LARGURA (L): 400mm MIN./ 1500mm MAX.

ALTURA (H): 350mm MIN./ 1600mm MAX.

PESO MÁXIMO: 80 Kg

+ ART. F6 Y: GABARITO SAVIO F6.Y

+ ART. F6 ZN: CORDA NEWTON F6.ZN (PRT) comprimento: 6m) OPCIONAL

+ ART. F6 ZB: CORDA NEWTON F6.ZB (BRA) comprimento: 6m

+ ART. F6 R: PERFIL TAPA FIO F6.R (BRANCO/PRETO) comprimento: 6m

NOTA: O COMANDO F7 INCLUI UMA CORDA COM 3m, PERMITINDO UMA JANELA BASCULANTE A $\pm 3.5m$ DO CHÃO.

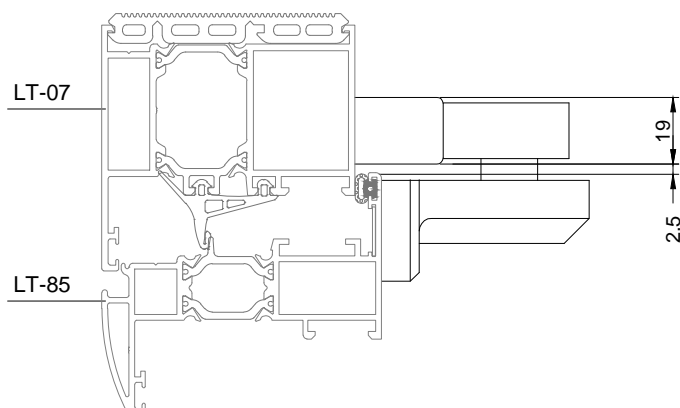
O COMANDO F7 POSSUI UM DISPOSITIVO DE REGULAÇÃO PARA DAR MAIOR FORÇA DE ABERTURA.

A DISTÂNCIA DE ABERTURA DO COMANDO F7 É DE 220mm.

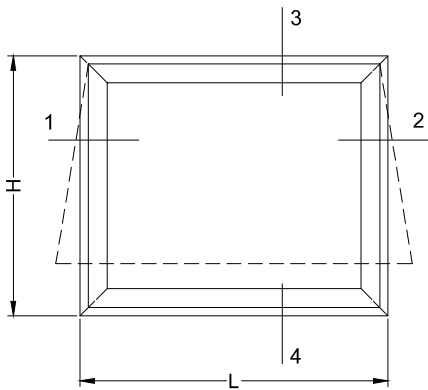
QUADRO PARA DEFINIÇÃO DA ESPESSURA DE VIDRO

| ALTURA | 350 a 1600mm | | | | | | | | | | | |
|--------------------------|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| LARGURA | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |
| ESPESSURA MAX. PERMITIDA | 41 | | 38 | 32 | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |

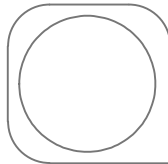
PORMENOR DE MONTAGEM



JANELA PROJETANTE
COM JUNTA REMATE PAREDE

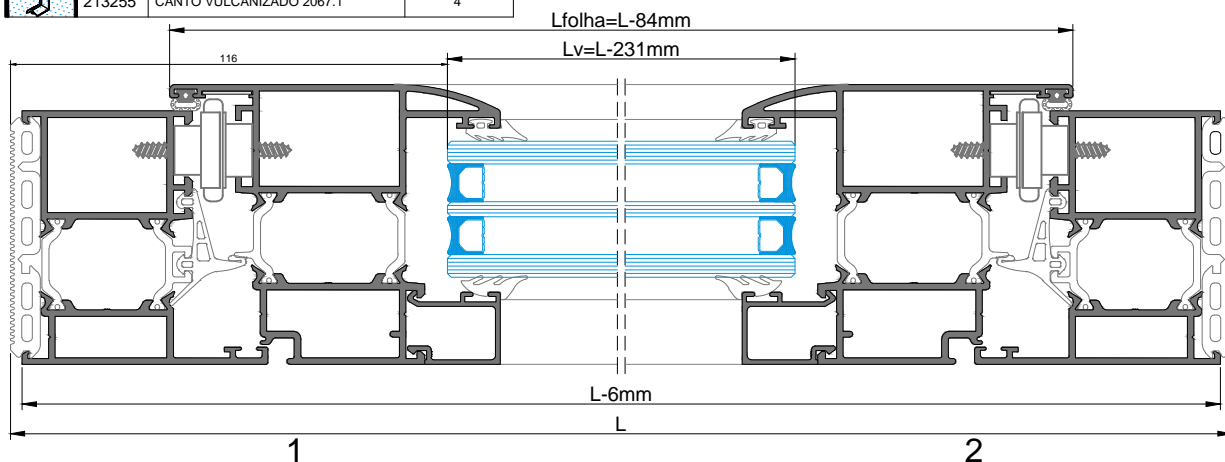
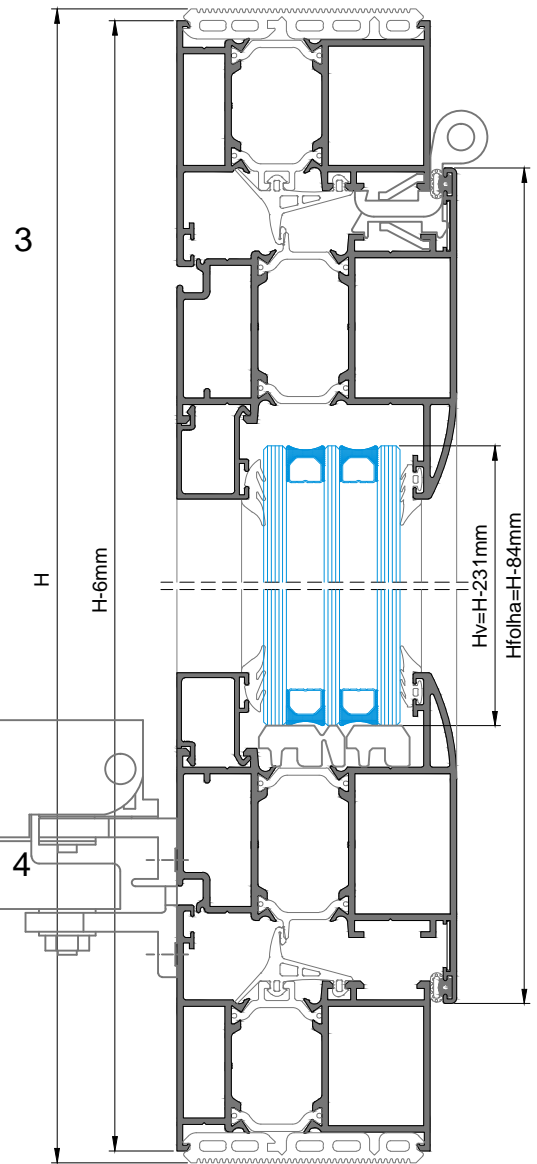


| PERFIS | | | | | | |
|--------|-------|------------|--------------|-------------|-------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT | CORTE |
| | LT-07 | ARO FIXO | L-6 | H-6 | 2+2 | |
| | LT-09 | ARO MÓVEL | L-84 | H-84 | 2+2 | |
| | - | BITE RETO | L-219 | H-259 | 2+2 | |

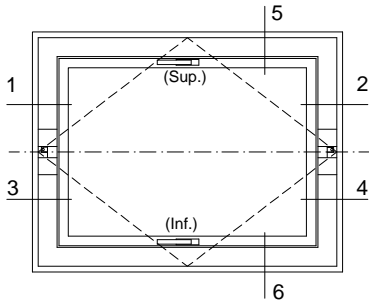


| ACESSÓRIOS | | |
|------------|---------------------------|----------------|
| CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| 213246 | CANTO CR S/SB | 4 |
| 204009 | ESQ. 18-1130-C | 4 |
| 204730 | ESQ. AT. E G | 4 |
| 204902 | ESQ. 18-1135-C | 4 |
| 204010 | ESQ. 26-2537-140 | 4 |
| 202208 | DOB. 1121.1 | 2 |
| 202065 | COMPASSO 1307.1 | 2 |
| 214253 | COMANDO 1206.1/1 (Preto) | 1 (L>1200 = 2) |
| 202605 | COMANDO 1206.1/2 (Branco) | |
| 218194 | CALÇOS P/VIDRO EURO 2000 | 4 |

| VEDANTES | | | |
|----------|----------|---------------------------|------------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| | 208152 | JUNTA REMATE PAREDE 2069 | 2L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 2L+2H |
| | 208491 | JUNTA CENTRAL 2067 | 2L+2H |
| | 208350 | JUNTA EXTERIOR VIDRO 2003 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 4 |

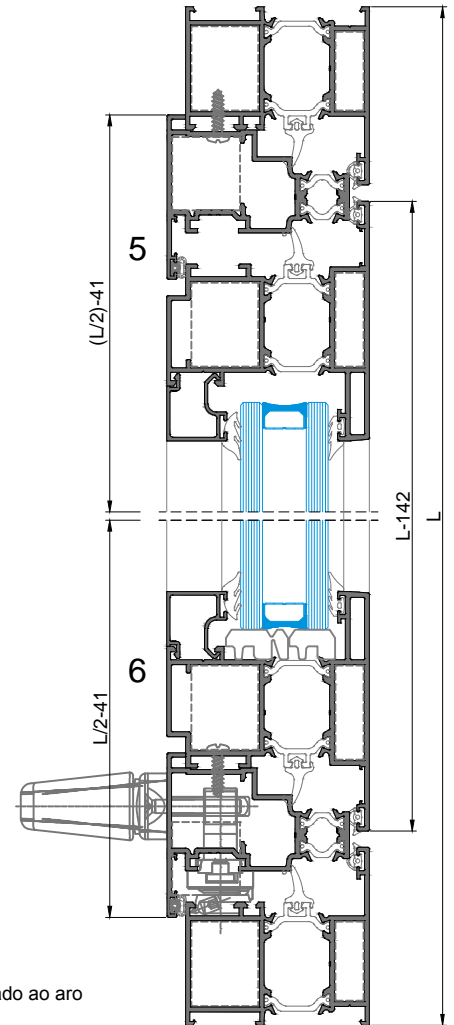
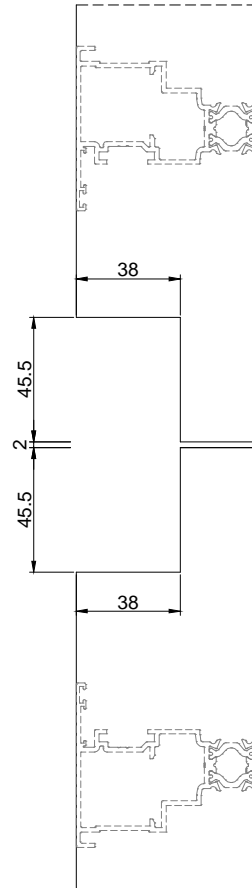
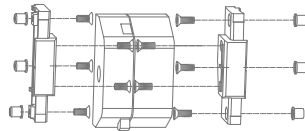


JANELA PIVOTANTE - EIXO HORIZONTAL

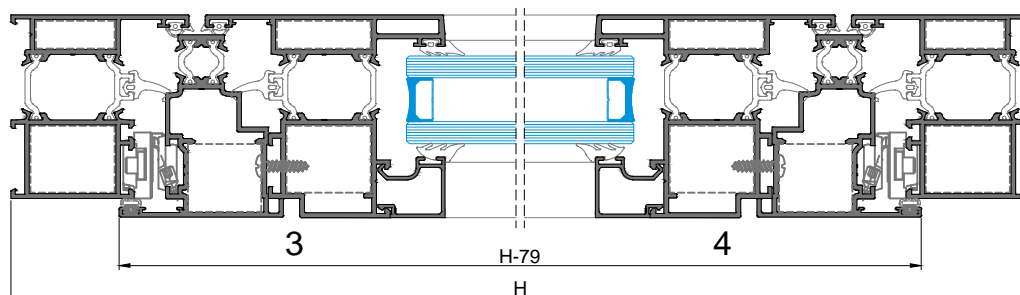
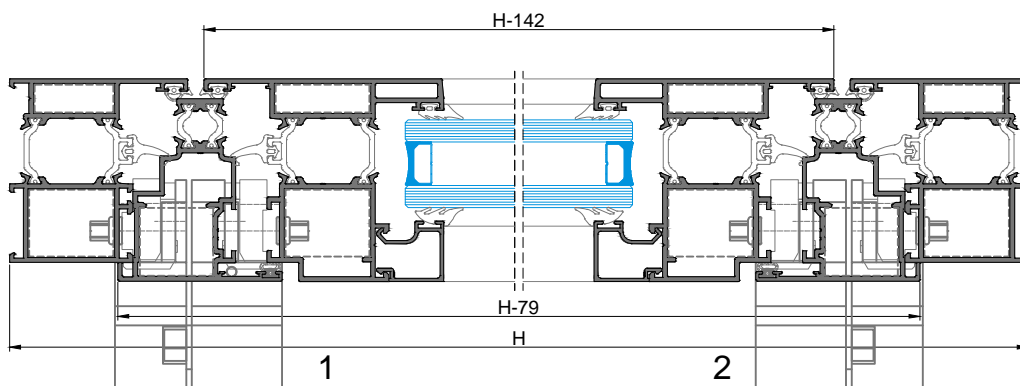


CARACTERÍSTICAS:

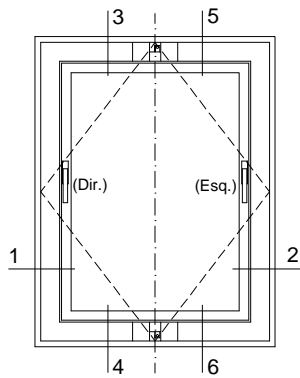
- Eixo de rotação horizontal (PIVOT 515 + Calços Pivot)
- Peso Máximo: 130 Kg
- Largura mínima: 600mm
- Altura mínima: 600mm
- Posições de abertura: Superior ou Inferior
- Regulação de força das rótulas
- Retenção a 25°



NOTA: O perfil LT 24 é aparafusado ao aro

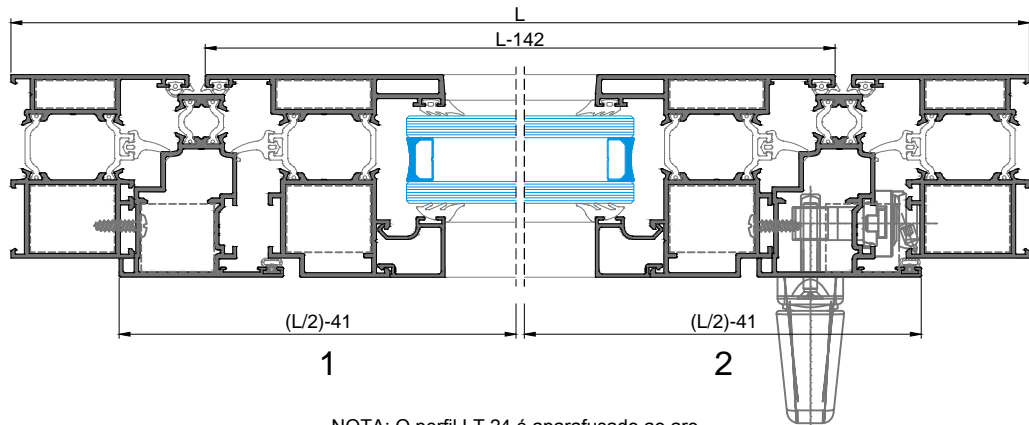
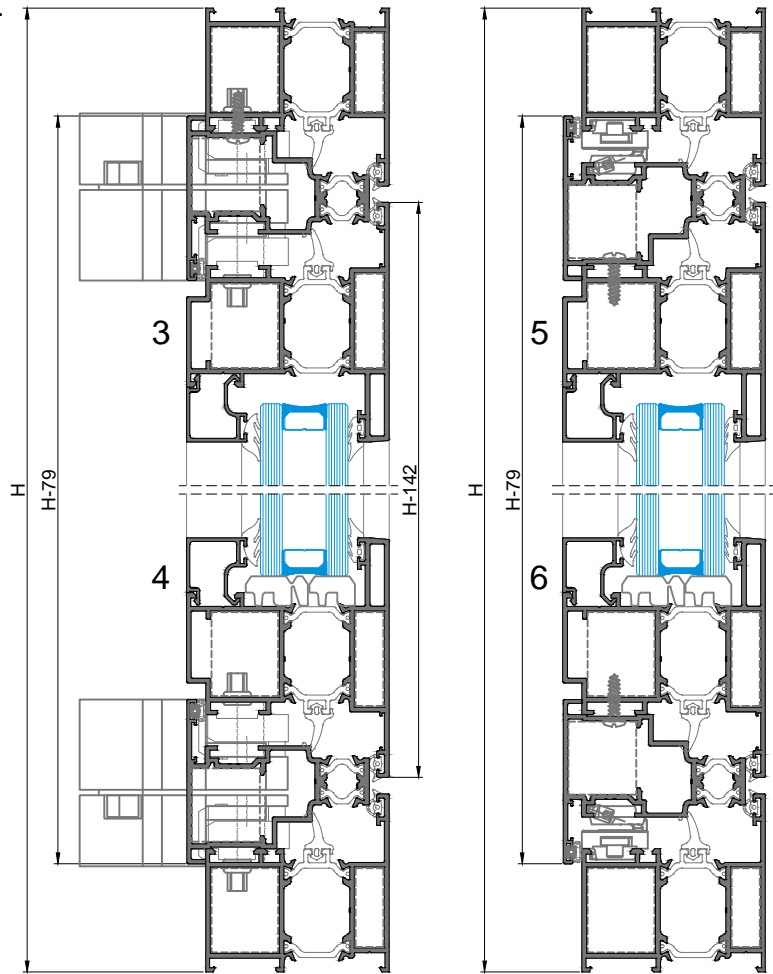


JANELA PIVOTANTE - EIXO VERTICAL

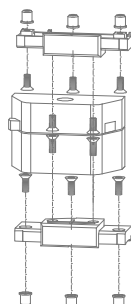
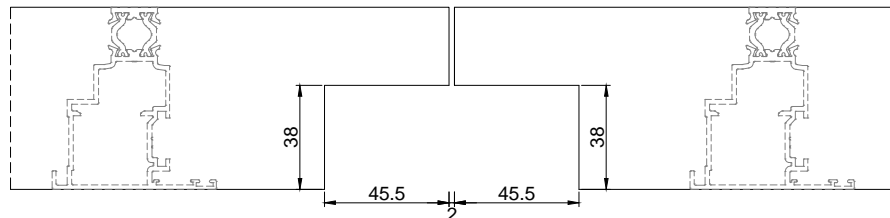


CARACTERÍSTICAS:

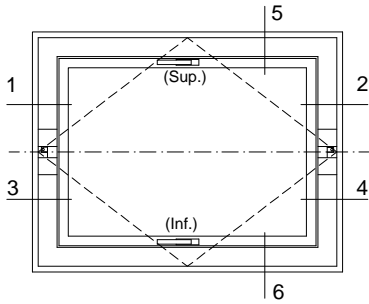
- Eixo de rotação Vertical (PIVOT 515P + Calços Pivot)
- Peso Máximo: 130 Kg
- Largura mínima: 600mm
- Altura mínima: 600mm
- Posições de abertura: Esquerda ou Direita
- Regulação de força das rótulas
- Sem retenção



NOTA: O perfil LT 24 é aparafusado ao aro

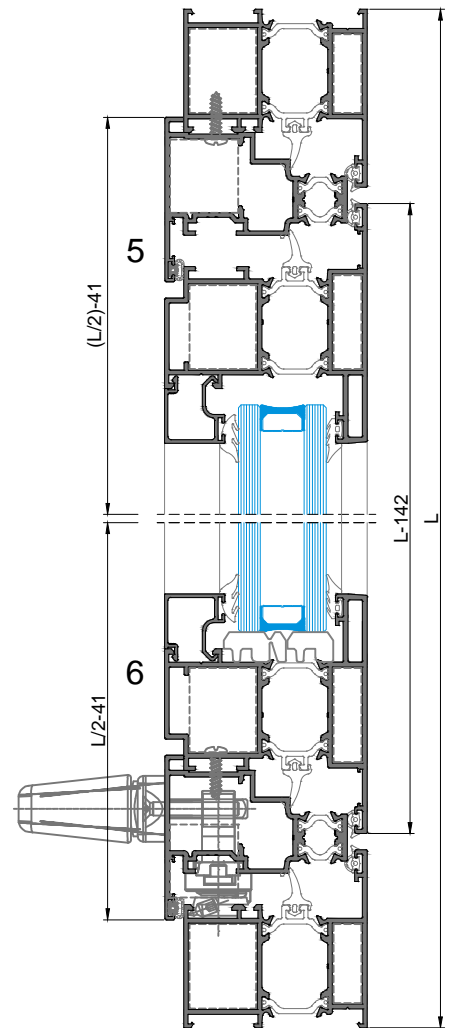
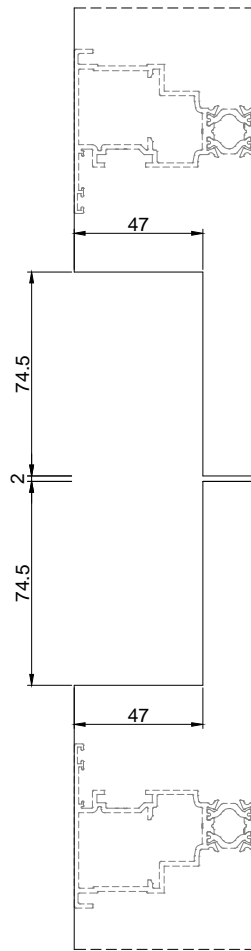
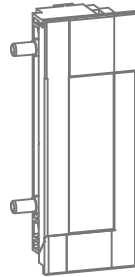


JANELA PIVOTANTE - EIXO HORIZONTAL

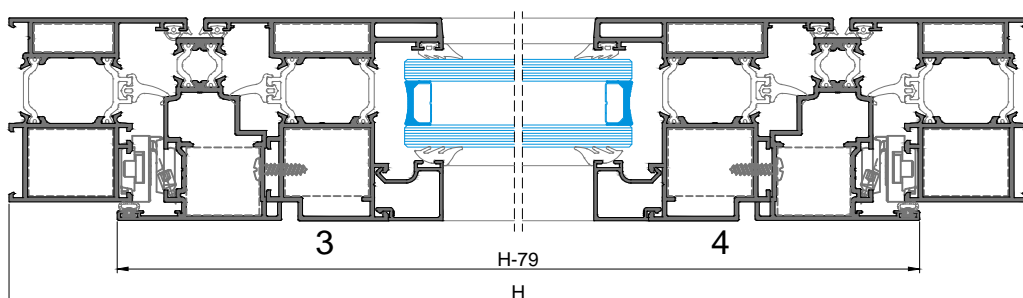
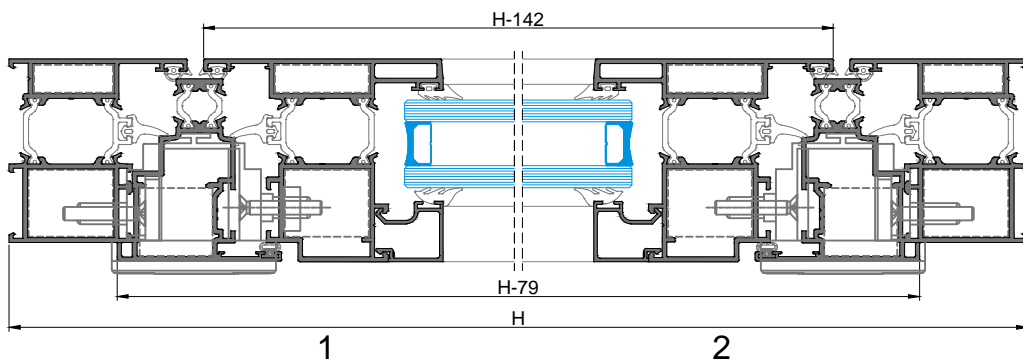


CARACTERÍSTICAS:

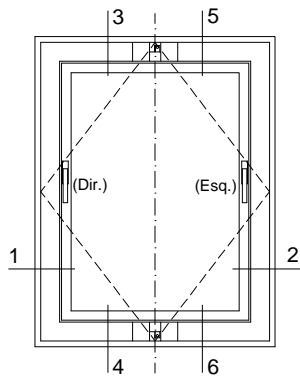
- Rótulas Verticais
- Peso Máximo: 175 Kg
- Largura mínima: 600mm
- Altura mínima: 600mm
- Posições de abertura: Esquerda e Direita
- Regulação de força das rótulas



NOTA: O perfil LT 24 é aparafusado ao aro

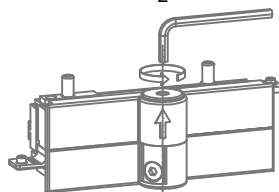
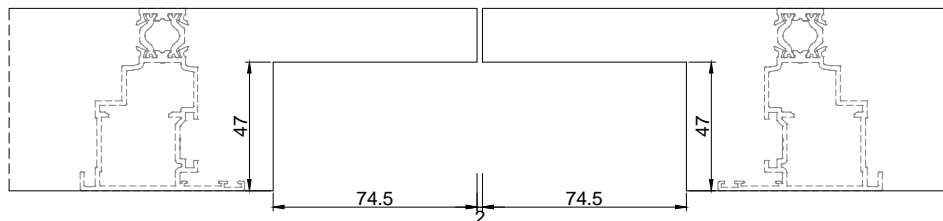
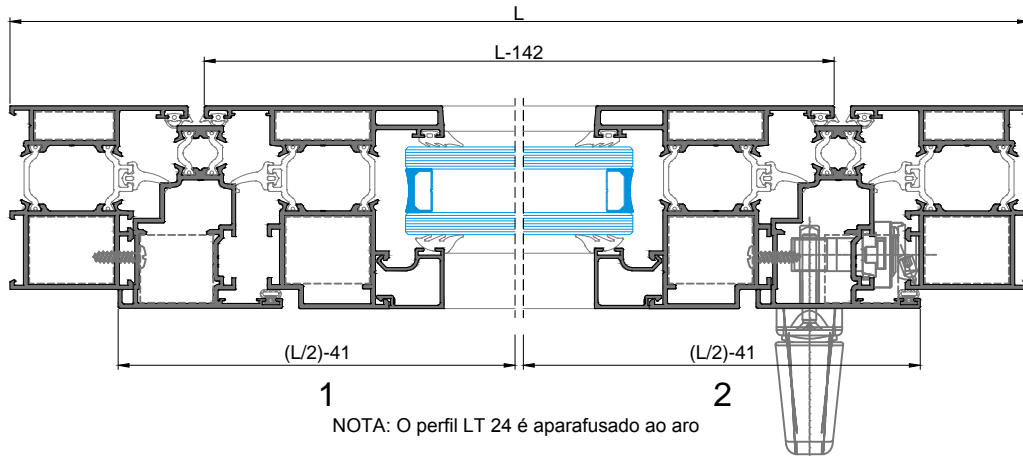
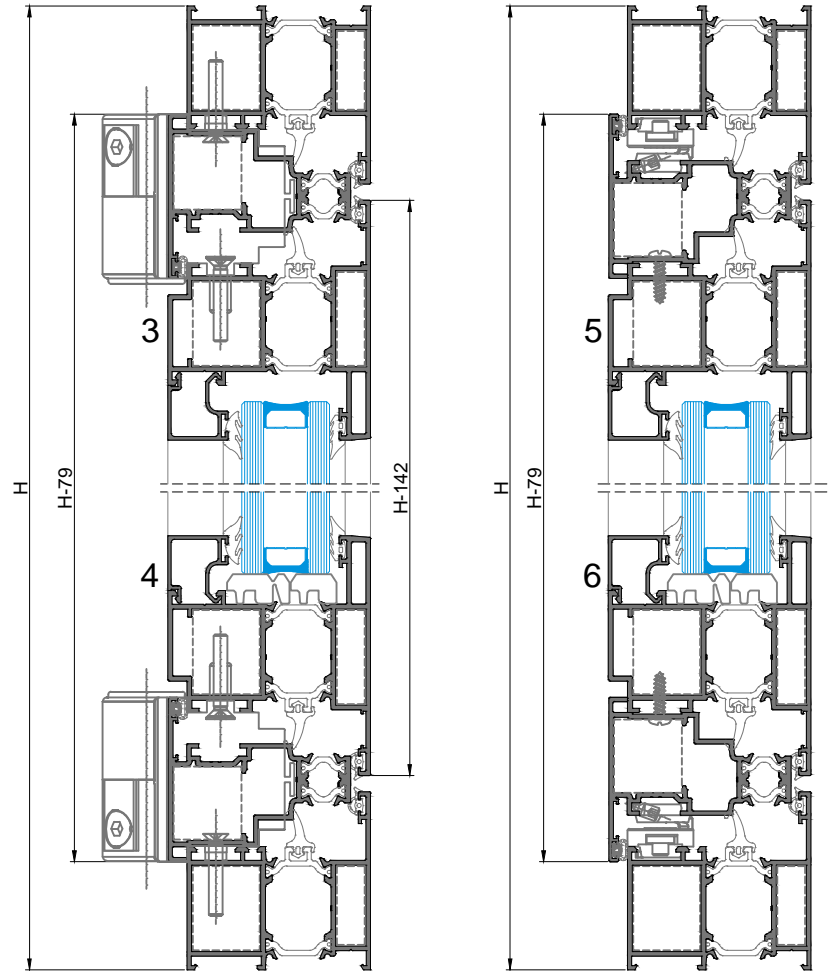


JANELA PIVOTANTE - EIXO VERTICAL

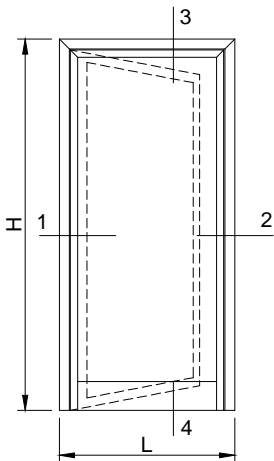


CARACTERÍSTICAS:

- Rótulas Verticais
- Peso Máximo: 175 Kg
- Largura mínima: 600mm
- Altura mínima: 600mm
- Posições de abertura: Superior e Inferior
- Regulação de força das rótulas



PORTA DE 1 FOLHA ABERTURA PARA INTERIOR (LT 50 + LT 91)
COM JUNTA REMATE PAREDE

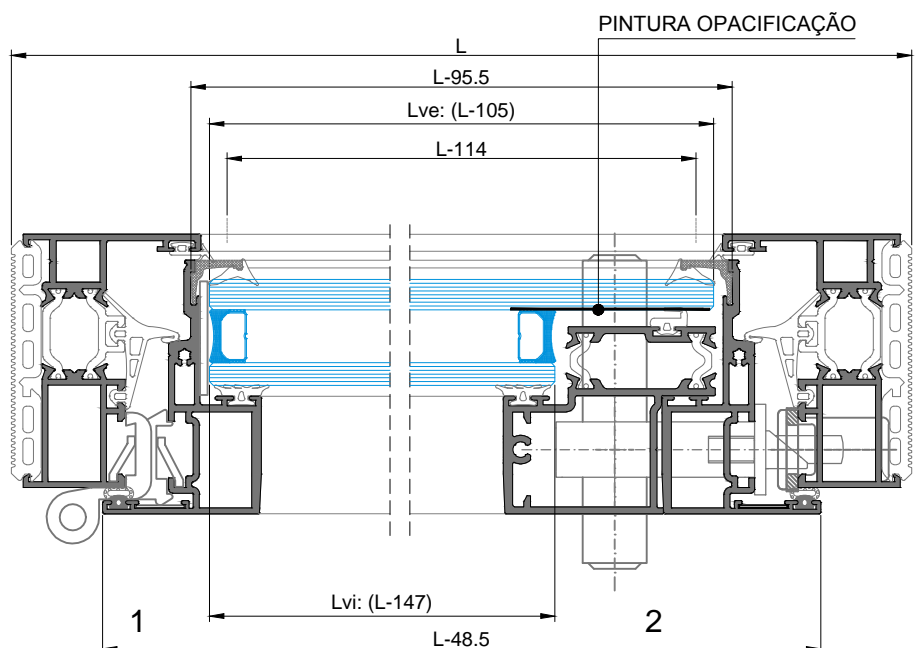
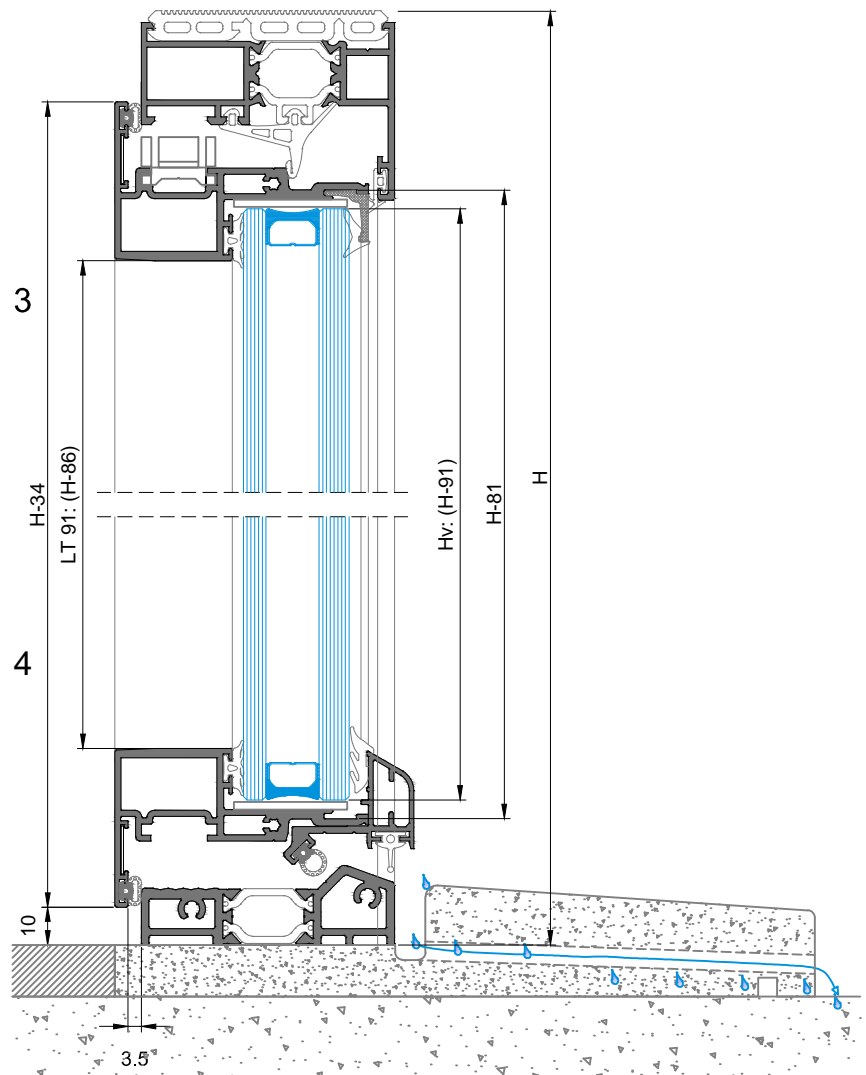


| PERFIS (COM JUNTA REMATE PAREDE) | | | | | | |
|-------------------------------------|-------|---------------------|--------------|-------------|--------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-3 | 1+2 | |
| | LT-90 | ARO MÓVEL | L-48.5 | H-34 | 2+2 | |
| | LT-95 | BITE RETO | L-95.5 | H-81 | 2+2 | |
| | LT-91 | PERFIL P/ PORTA OC. | - | H-86 | 1 | |
| | LT-50 | PERFIL DE SOLEIRA | L-50 | - | 1 | |
| | LT-32 | PINGADEIRA | L-114 | - | 1 | |

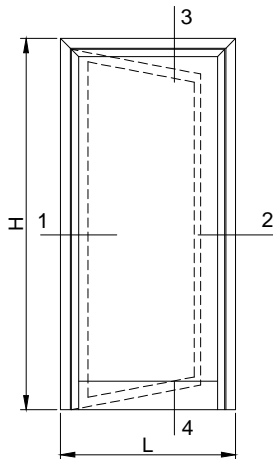
| MEDIDAS VIDROS (COM JUNTA REMATE PAREDE) | | |
|---|------------|------------|
| | Lvidro(mm) | Hvidro(mm) |
| VIDRO INTERIOR | L-147 | H-91 |
| VIDRO EXTERIOR | L-105 | H-91 |

| ACESSÓRIOS | | |
|------------|--------------------------------|--------|
| CÓDIGO | DESIGNAÇÃO | QUANT. |
| 213246 | CANTO CR S/SB | 4 |
| 204901 | ESQ. 18-1112-C | 2 |
| 204728 | ESQ. AT E P | 6 |
| 202208 | DOB. 1121.1 | 3 |
| 200028 | PUXADOR DUPLO 874.31 | 1 |
| 227301 | QUADRA DE AÇO 8mm x 140mm | 1 |
| 201616 | FECHADURA 3P. PERFORMA 40mm | 1 |
| 280012 | TESTA CENTRAL PERFORMA (Pr.) | 1 |
| 280011 | TESTA SUP./INF. PERFORMA (Pr.) | 2 |
| 230502 | SEGREDO 70/30 | 1 |
| 220190 | ESPELHO 874.801 | 2 |
| 218113 | CALÇOS P/VIDRO 79x40x2mm | 4 |
| 212346 | CONJUNTO TAPA-TOPOS SA 32 | 1 |

| VEDANTES | | | |
|----------|----------|----------------------------|--------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANT. |
| | 208152 | JUNTA REMATE PAREDE 2069 | L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 3L+2H |
| | 208491 | JUNTA CENTRAL 2067 | L+2H |
| | 208278 | JUNTA DE ESTANQUIDADE 2112 | L+2H |
| | 208289 | JUNTA DE BATENTE 2055 | 2L+2H |
| | 208114 | JUNTA DE BATENTE 2008 | H |
| | VARIÁVEL | JUNTA EXTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 2 |
| | 208246 | JUNTA ENCAIXE 1140 | L |



PORTA DE 1 FOLHA ABERTURA PARA INTERIOR (LT 50 + LT 91 PERIMETRAL)
COM JUNTA REMATE PAREDE

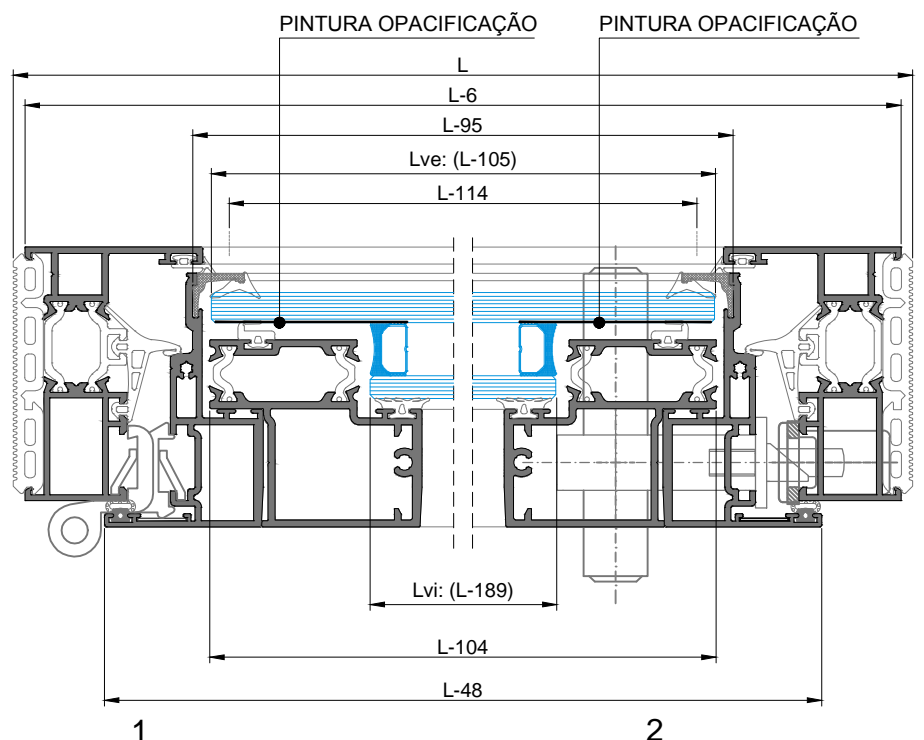
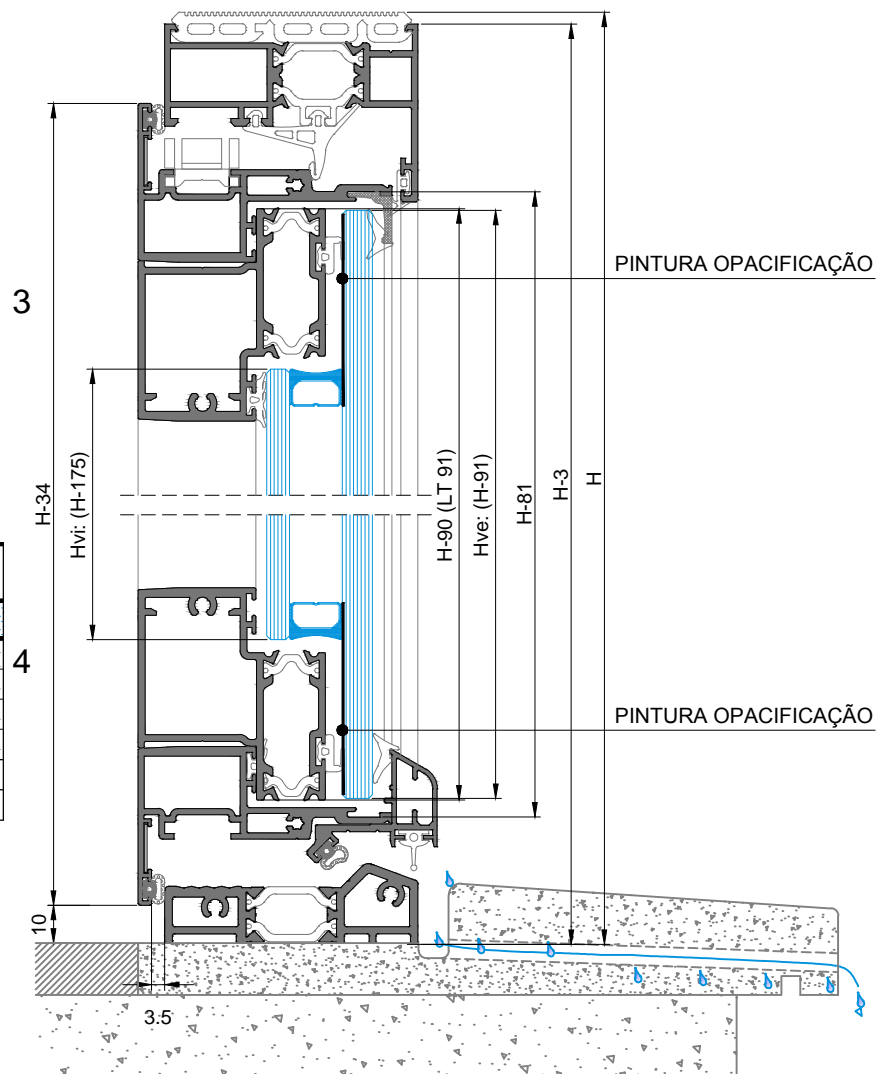


| PERFIS (COM JUNTA REMATE PAREDE - SEM SOLEIRA) | | | | | | |
|---|------------------|---------------------|--------------|-------------|--------|-------|
| DES ^o | REF ^o | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-3 | 1+2 | |
| | LT-90 | ARO MÓVEL | L-48 | H-34 | 2+2 | |
| | LT-95 | BITE RETO | L-95 | H-81 | 2+2 | |
| | LT-91 | PERFIL P/ PORTA OC. | L-104 | H-90 | 2+2 | |
| | LT-50 | PERFIL DE SOLEIRA | L-100 | - | 1 | |
| | LT-32 | PINGADEIRA | L-114 | - | 1 | |

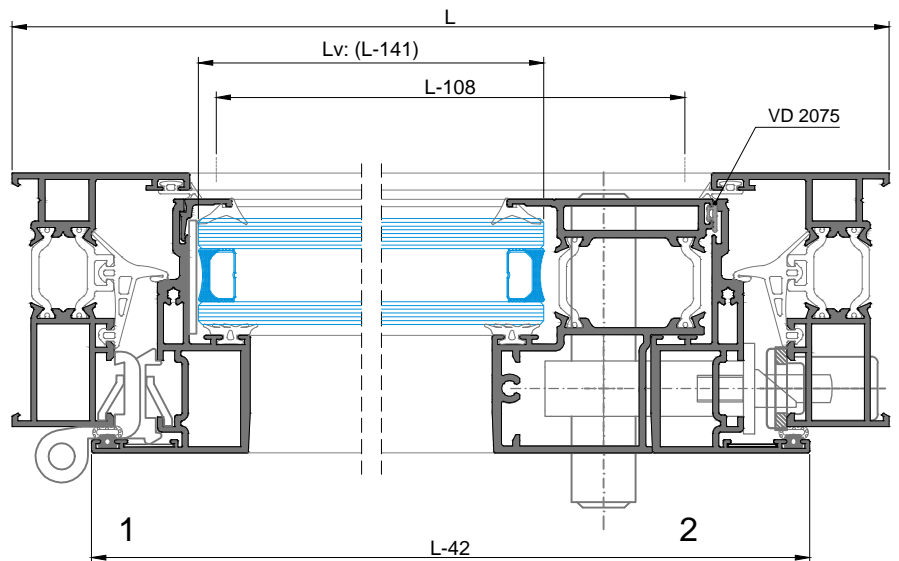
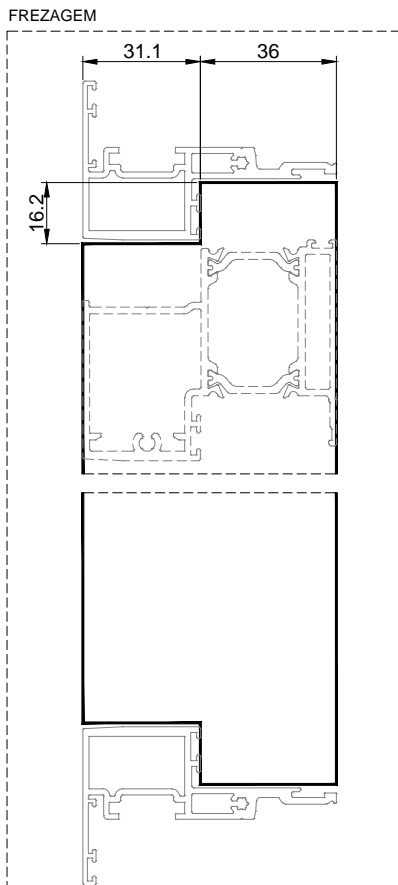
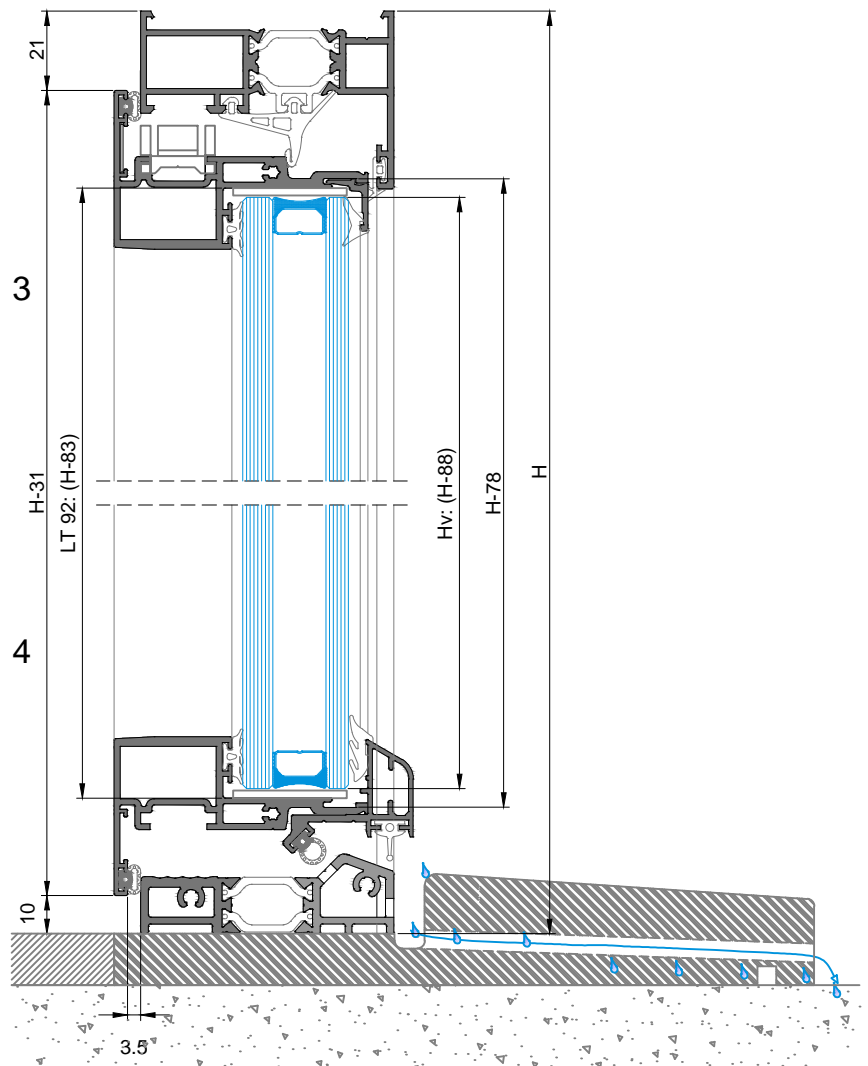
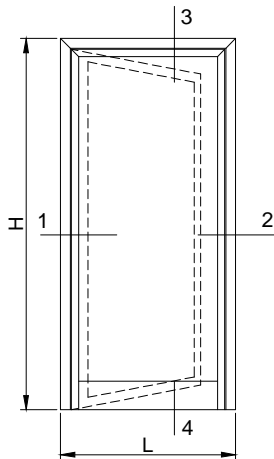
| MEDIDAS VIDROS (COM JUNTA REMATE PAREDE) | | |
|---|------------|------------|
| | Lvidro(mm) | Hvidro(mm) |
| VIDRO INTERIOR | L-189 | H-175 |
| VIDRO EXTERIOR | L-105 | H-91 |

| ACESSÓRIOS | | |
|------------|--------------------------------|--------|
| CÓDIGO | DESIGNAÇÃO | QUANT. |
| 213246 | CANTO CR S/SB | 4 |
| 204901 | ESQ. 18-1112-C | 2 |
| 204728 | ESQ. AT E P | 6 |
| 202208 | DOB. 1121.1 | 3 |
| 200028 | PUXADOR DUPLO 874.31 | 1 |
| 227301 | QUADRA DE AÇO 8mm x 140mm | 1 |
| 201616 | FECHADURA 3P. PERFORMA 40mm | 1 |
| 280012 | TESTA CENTRAL PERFORMA (Pr.) | 1 |
| 280011 | TESTA SUP./INF. PERFORMA (Pr.) | 2 |
| 230502 | SEGREDO 70/30 | 1 |
| 220190 | ESPELHO 874.801 | 2 |
| 218113 | CALÇOS P/VIDRO 79x40x2mm | 4 |
| 212346 | CONJUNTO TAPA-TOPOS SA 32 | 1 |

| VEDANTES | | | |
|------------------|----------|----------------------------|--------|
| DES ^o | CÓDIGO | DESIGNAÇÃO | QUANT. |
| | 208152 | JUNTA REMATE PAREDE 2069 | L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 3L+2H |
| | 208491 | JUNTA CENTRAL 2067 | L+2H |
| | 208278 | JUNTA DE ESTANQUIDADE 2112 | L+2H |
| | 208289 | JUNTA DE BATENTE 2055 | 2L+2H |
| | 208114 | JUNTA DE BATENTE 2008 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 2 |
| | 208246 | JUNTA ENCAIXE 1140 | L |

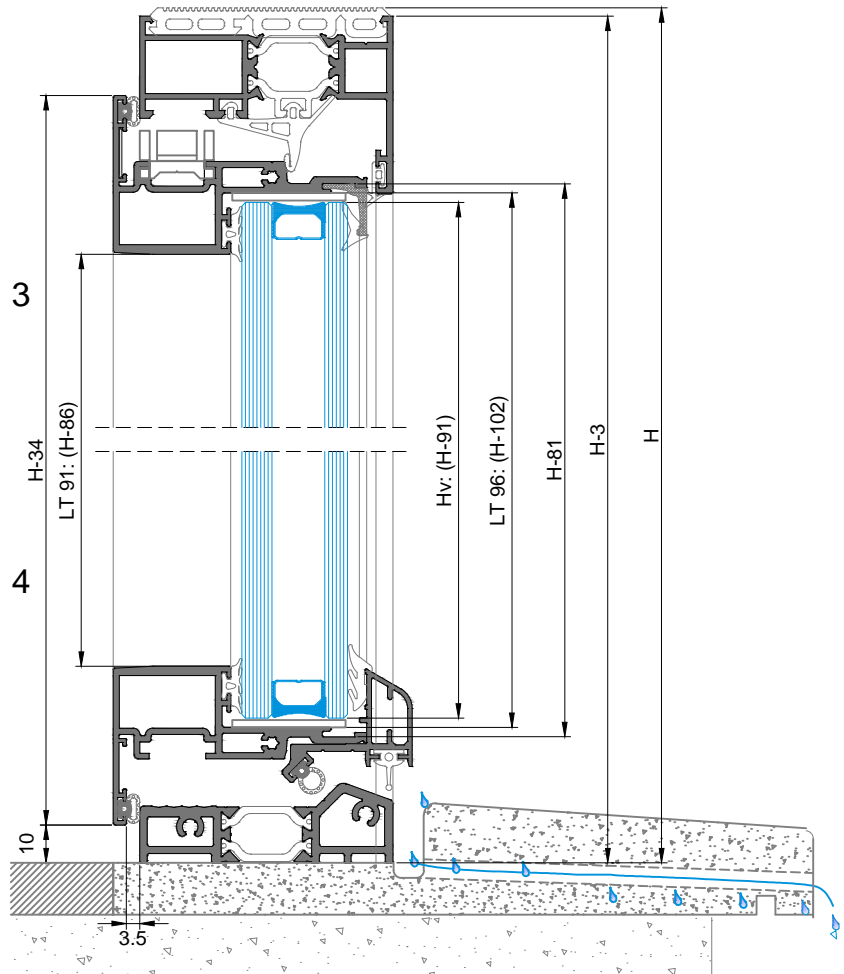
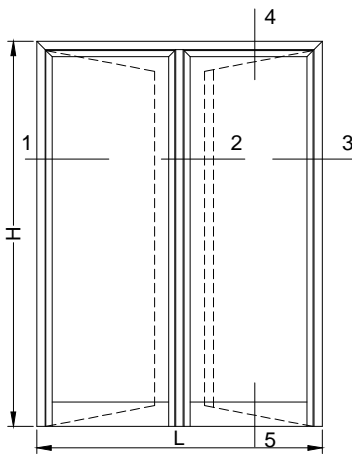


PORTA DE 1 FOLHA ABERTURA PARA INTERIOR (LT 50 + LT 90 + LT 92)
SEM JUNTA REMATE PAREDE



PORTA DE 2 FOLHAS ABERTURA PARA INTERIOR (LT 50 + LT 91)

COM JUNTA REMATE PAREDE



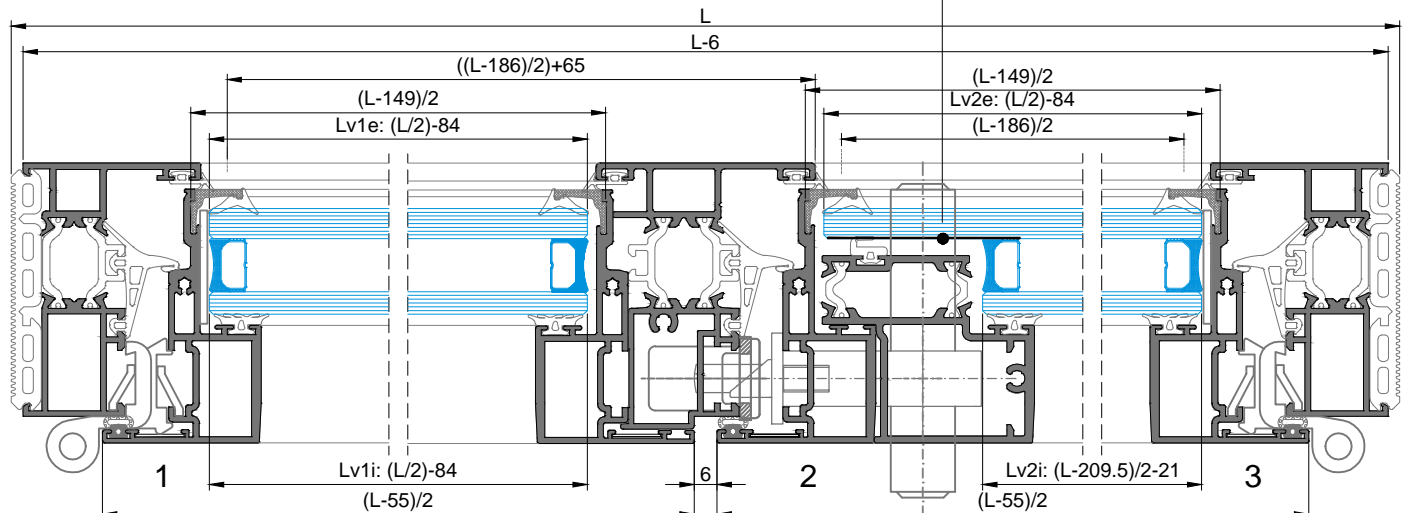
| PERFIS | | | | | | |
|-------------------------|-------|---------------------|---------------------------|-------------|--------|-------|
| COM JUNTA REMATE PAREDE | | | | | | |
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-3 | 1+2 | |
| | LT-90 | ARO MÓVEL | (L-55)/2 | H-34 | 4+4 | |
| | LT-96 | INVERSOR | - | H-102 | 1 | |
| | LT-95 | BITE RETO | (L-149)/2 | H-81 | 4+4 | |
| | LT-91 | PERFIL P/ PORTA OC. | - | H-90 | 1 | |
| | LT-50 | PERFIL DE SOLEIRA | L-50 | - | 1 | |
| | LT-32 | PINGADEIRA | (L-186)/2 (L-186)/2+65 | - | 1 | |

| ACESSÓRIOS | | |
|------------|---------------------------------|--------|
| CÓDIGO | DESIGNAÇÃO | QUANT. |
| 213246 | CANTO CR S/SB | 8 |
| 204901 | ESQ. 18-1112-C | 2 |
| 204728 | ESQ. AT E P | 10 |
| 202208 | DOB. 1121.1 | 6 |
| 200028 | PUXADOR DUPLO 874.31 | 1 |
| 227301 | QUADRA DE AÇO 8mm x 140mm | 1 |
| 201616 | FECHADURA 3P. PERFORMA 40mm | 1 |
| 280012 | TESTA CENTRAL PERFORMA (Pr.) | 1 |
| 280011 | TESTA SUP./INF. PERFORMA (Pr.) | 2 |
| 230502 | SEGREDO 70/30 | 1 |
| 220190 | ESPELHO 874.801 | 2 |
| 218113 | CALÇOS P/VIDRO 79x40x2mm | 8 |
| 201490 | FECHO PARA 2ª FOLHA 1541 | 2 |
| 211103 | PONTO DE FECHO PAVIMENTO 1409/8 | 1 |
| 202090 | CONTRA FECHO DUPLO 1416.6 | 1 |
| 212014 | CONJ. TOPO INVERSOR LT-OCULTA | 1 |
| 212346 | CONJUNTO TAPA-TOPOS SA 32 | 2 |

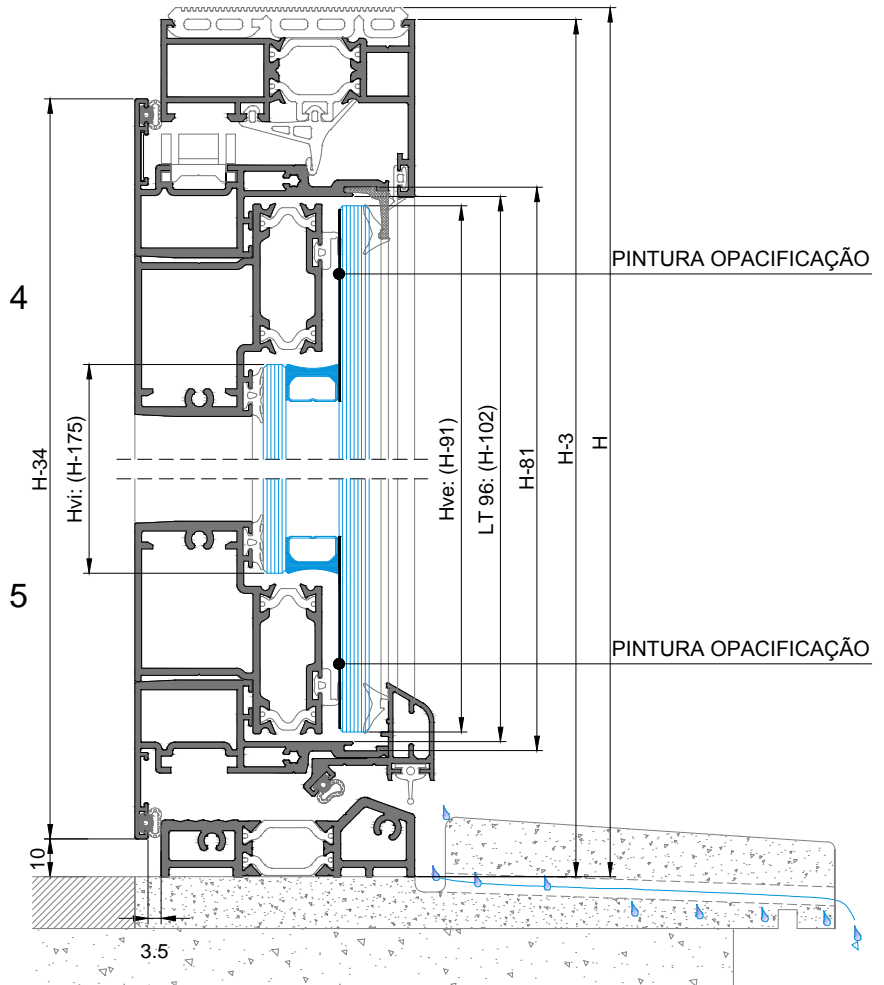
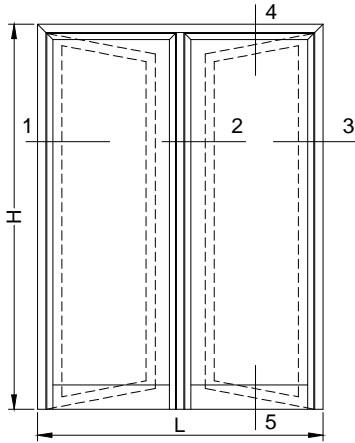
| VEDANTES | | | |
|----------|----------|----------------------------|--------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANT. |
| | 208152 | JUNTA REMATE PAREDE 2069 | L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 3L+3H |
| | 208491 | JUNTA CENTRAL 2067 | L+3H |
| | 208278 | JUNTA DE ESTANQUIDADE 2112 | L+4H |
| | 208289 | JUNTA DE BATENTE 2055 | 2L+4H |
| | 208114 | JUNTA DE BATENTE 2008 | H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+4H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 2 |
| | 208246 | JUNTA ENCAIXE 1140 | L |

| MEDIDAS VIDROS | | | | |
|---------------------------|------------|----------------|------------|------|
| (COM JUNTA REMATE PAREDE) | | | | |
| | Lvidro(mm) | | Hvidro(mm) | |
| | Lv1 | Lv2 | Hv1 | Hv2 |
| VIDRO INTERIOR | (L/2)-84 | (L-209.5)/2-21 | H-91 | H-91 |
| VIDRO EXTERIOR | (L/2)-84 | (L/2)-84 | H-91 | H-91 |

PINTURA OPACIFICAÇÃO



PORTA DE 2 FOLHAS ABERTURA PARA INTERIOR (LT 50 + LT 91 PERIMETRAL)
COM JUNTA REMATE PAREDE

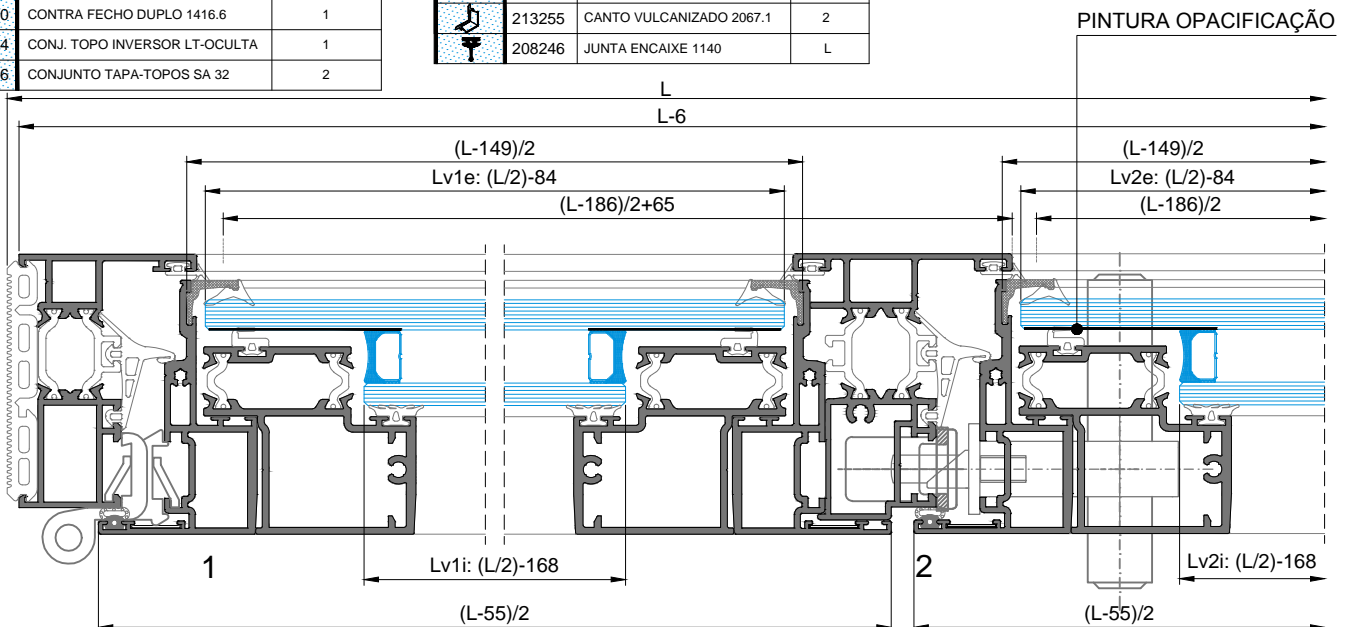


| PERFIS COM JUNTA REMATE PAREDE | | | | | | |
|-----------------------------------|-------|---------------------|--------------|--------------|--------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-01 | ARO FIXO | L-6 | H-3 | 1+2 | |
| | LT-90 | ARO MÓVEL | (L-55)/2 | H-34 | 4+4 | |
| | LT-96 | INVERSOR | - | H-102 | 1 | |
| | LT-95 | BITE RETO | (L-149)/2 | H-81 | 4+4 | |
| | LT-91 | PERFIL P/ PORTA OC. | (L-166)/2 | H-90 | 4+4 | |
| | LT-50 | PERFIL DE SOLEIRA | L-50 | - | 1 | |
| | LT-32 | PINGADEIRA | (L-186)/2 | (L-186)/2+65 | 1 | |

| ACESSÓRIOS | | |
|------------|---------------------------------|--------|
| CÓDIGO | DESIGNAÇÃO | QUANT. |
| 213246 | CANTO CR S/SB | 8 |
| 204901 | ESQ. 18-1112-C | 2 |
| 204728 | ESQ. AT E P | 10 |
| 202208 | DOB. 1121.1 | 6 |
| 200028 | PUXADOR DUPLO 874.31 | 1 |
| 227301 | QUADRA DE AÇO 8mm x 140mm | 1 |
| 201616 | FECHADURA 3P. PERFORMA 40mm | 1 |
| 280012 | TESTA CENTRAL PERFORMA (Pr.) | 1 |
| 280011 | TESTA SUP./INF. PERFORMA (Pr.) | 2 |
| 230502 | SEGREDO 70/30 | 1 |
| 220190 | ESPELHO 874.801 | 2 |
| 218113 | CALÇOS P/VIDRO 79x40x2mm | 8 |
| 201490 | FECHO PARA 2ª FOLHA 1541 | 2 |
| 211103 | PONTO DE FECHO PAVIMENTO 1409/8 | 1 |
| 202090 | CONTRA FECHO DUPLO 1416.6 | 1 |
| 212014 | CONJ. TOPO INVERSOR LT-OCULTA | 1 |
| 212346 | CONJUNTO TAPA-TOPOS SA 32 | 2 |

| VEDANTES | | | |
|----------|----------|----------------------------|--------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANT. |
| | 208152 | JUNTA REMATE PAREDE 2069 | 1L+2H |
| | 208008 | JUNTA INTERIOR 2051 | 3L+3H |
| | 208491 | JUNTA CENTRAL 2067 | 1L+3H |
| | 208278 | JUNTA DE ESTANQUIDADE 2112 | 1L+4H |
| | 208289 | JUNTA DE BATENTE 2055 | 2L+4H |
| | 208114 | JUNTA DE BATENTE 2008 | 2L+4H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+4H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 2 |
| | 208246 | JUNTA ENCAIXE 1140 | L |

| MEDIDAS VIDROS (COM JUNTA REMATE PAREDE) | | | | |
|---|------------|-----------|------------|-------|
| | Lvidro(mm) | | Hvidro(mm) | |
| | Lv1 | Lv2 | Hv1 | Hv2 |
| VIDRO INTERIOR | (L/2)-168 | (L/2)-168 | H-175 | H-175 |
| VIDRO EXTERIOR | (L/2)-84 | (L/2)-84 | H-91 | H-91 |

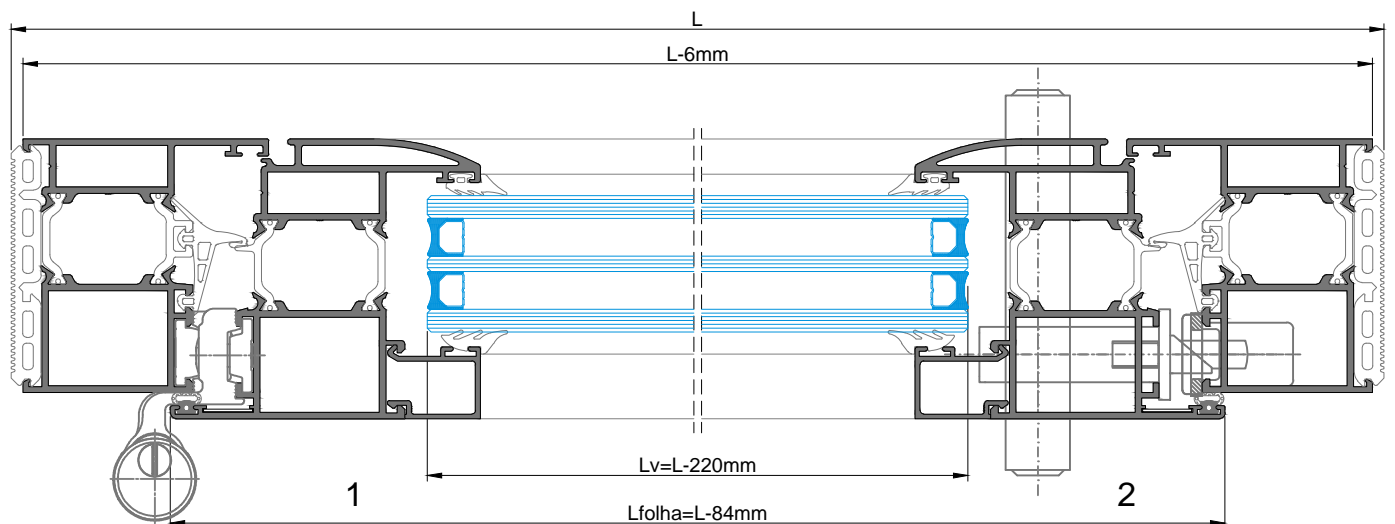
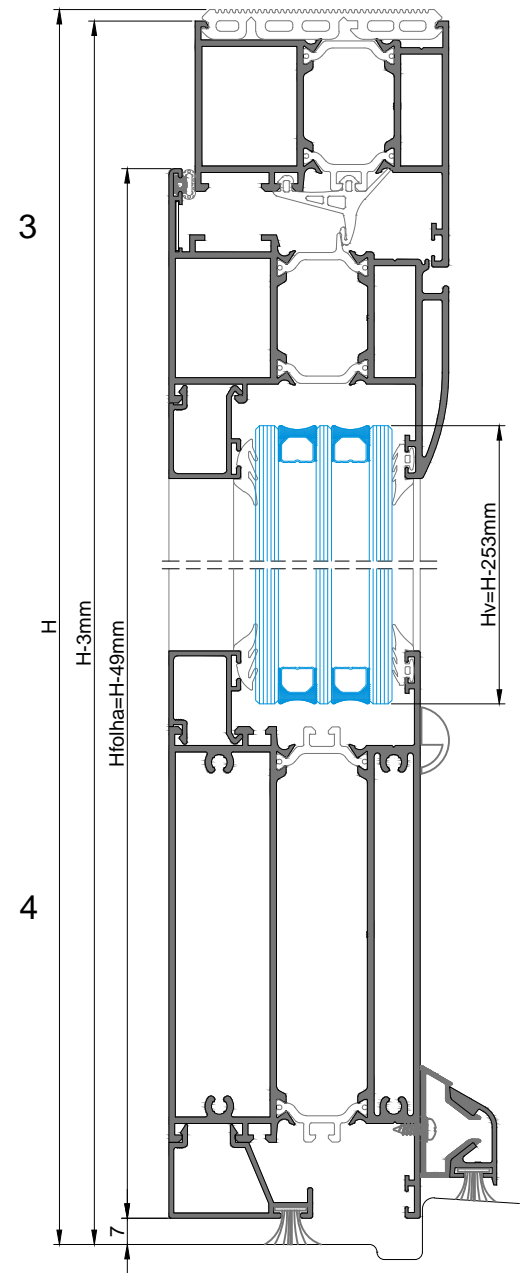
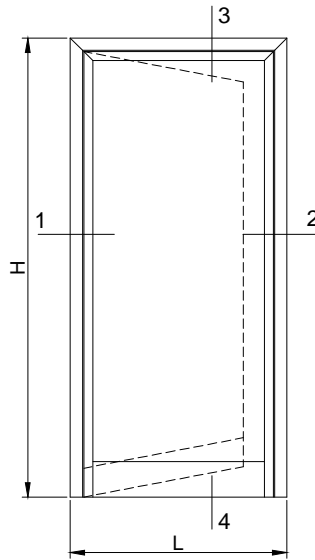


PORTA DE 1 FOLHA ABERTURA PARA INTERIOR (COM JUNTA REMATE PAREDE)

| PERFIS | | | | | | |
|------------------|-------|-------------|--------------|-------------|--------|-------|
| DES ^o | REF. | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-07 | ARO FIXO | L-6 | H-3 | 1+2 | |
| | LT-88 | ARO MÓVEL | L-84 | H-49 | 1+2 | |
| | LT-14 | TRAVESSA | L-199 | - | 1 | |
| | SA-31 | COMPLEMENTO | L-248 | - | 1 | |
| | SA-32 | PINGADEIRA | L-152 | - | 1 | |
| | - | BITE RETO | L-208 | H-281 | 2+2 | |
| | AT-59 | REMATE INF. | L-208 | - | 1 | |

| ACESSÓRIOS | | |
|------------|----------------------------------|------------|
| CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| 213246 | CANTO CR S/SB | 2 |
| 204009 | ESQ. 18-1130-C | 4 |
| 204730 | ESQ. AT. E G | 4 |
| 202235 | DOBRADIÇA PORTA 2L AFINAÇÃO 3D | 3 |
| 201615 | FECHADURA 3 PONTOS PERFORMA 35mm | 1 |
| 280012 | TESTA CENTRAL PERFORMA (Pr.) | 1 |
| 280011 | TESTA SUP./INF. PERFORMA (Pr.) | 2 |
| 230503 | SEGREDO 70/32 | 1 |
| 220190 | ESPELHO 874.801 | 2 |
| 200028 | PUXADOR DUPLO 874.31 | 1 |
| 227301 | QUADRA AÇO 8 x 140mm | 1 |
| 210154 | GOTEIRA 1875 | 2 |
| 212346 | CONJ. TAPA-TOPO SA32 | 1 |
| 218194 | CALÇOS P/VIDRO EURO 2000 | 4 |

| VEDANTES | | | |
|------------------|--|---------------------------|------------|
| DES ^o | CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| | 208152 | JUNTA REMATE PAREDE 2069 | L+2H |
| | 208008 | JUNTA INTERIOR 2051 | L+2H |
| | 208491 | JUNTA CENTRAL 2067 | L+2H |
| | 208350 | JUNTA EXTERIOR VIDRO 2003 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 2 |
| | 208464 | PELÚCIA 8.5x12 STOP-FIN | 2L |
| | ALTERNATIVA À PELÚCIA 8.5x12 STOP-FIN: | | |
| | 208246 | JUNTA ENCAIXE VD1140 | 2L |

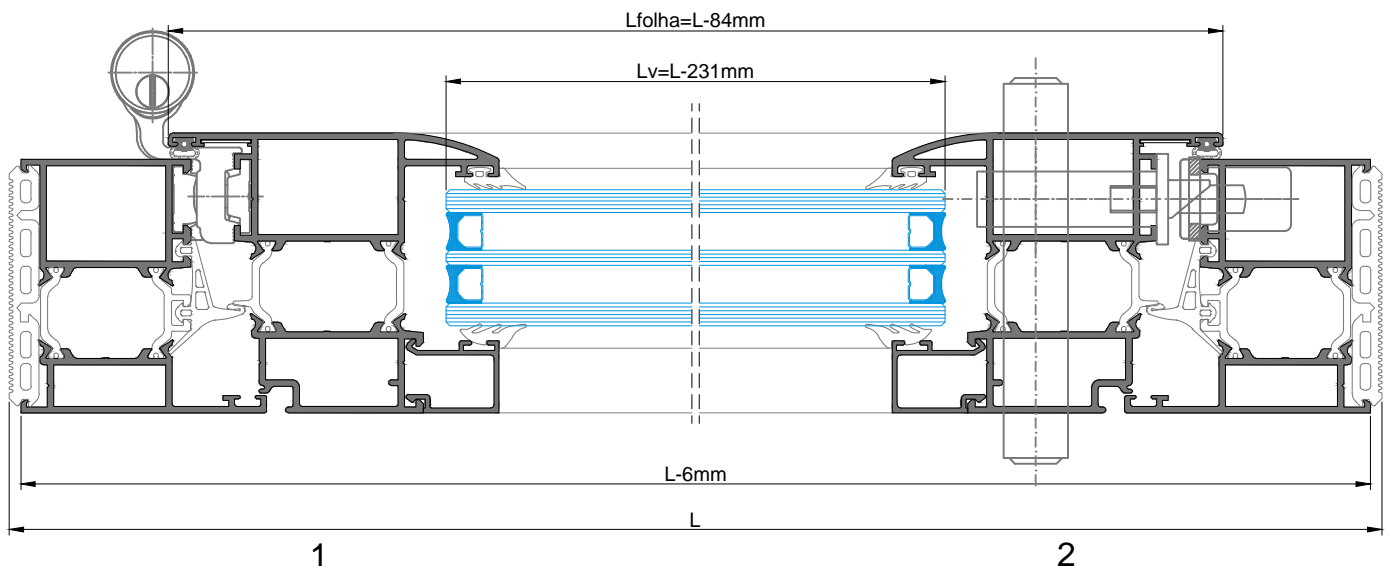
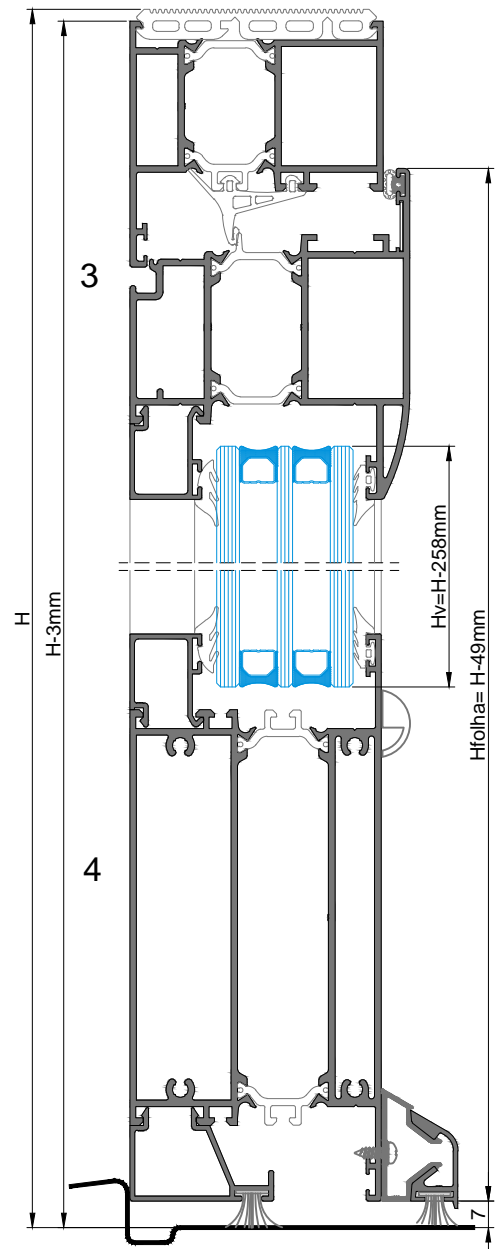
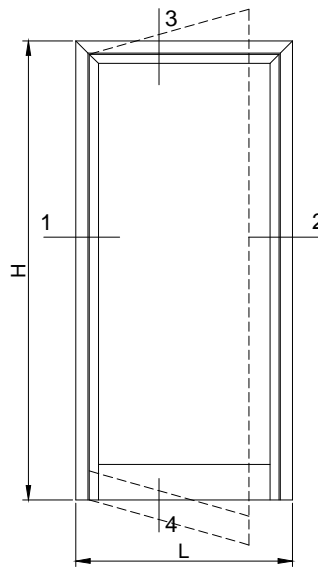


PORTA DE 1 FOLHA ABERTURA EXTERIOR (COM JUNTA REMATE PAREDE)

| PERFIS | | | | | | |
|--------|-------|-------------|----------------|---------------|-------|-------|
| DES° | REF° | DESIGNAÇÃO | CORTE HORIZ | CORTE VERT | QUANT | CORTE |
| | LT-07 | ARO FIXO | L-6 | H-3 | 1+2 | |
| | LT-09 | ARO MÓVEL | L-84 | H-49 | 1+2 | |
| | LT-14 | TRAVESSA | L-210 | - | 1 | |
| | SA-31 | COMPLEMENTO | L-259 | - | 1 | |
| | SA-32 | PINGADEIRA | L-92 | - | 1 | |
| | - | BITE RETO | L-219 | H-268 | 2+2 | |
| | AT-59 | REMATE INF. | L-219 | - | 1 | |

| ACESSÓRIOS | | |
|------------|----------------------------------|------------|
| CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| 213246 | CANTO CR S/SB | 2 |
| 204009 | ESQ. 18-1130-C | 2 |
| 204730 | ESQ. AT. E G | 2 |
| 204902 | ESQ. 18-1135-C | 2 |
| 204010 | ESQ. 26-2537-140 | 2 |
| 202235 | DOBRADIÇA PORTA 2L AFINAÇÃO 3D | 3 |
| 201615 | FECHADURA 3 PONTOS PERFORMA 35mm | 1 |
| 280012 | TESTA CENTRAL PERFORMA (Pr.) | 1 |
| 280011 | TESTA SUP./INF. PERFORMA (Pr.) | 2 |
| 230503 | SEGREDO 70/32 | 1 |
| 220190 | ESPELHO 874.801 | 2 |
| 200028 | PUXADOR DUPLO 874.31 | 1 |
| 227301 | QUADRA AÇO 8 x 140mm | 1 |
| 210154 | GOTEIRA 1875 | 2 |
| 212346 | CONJ. TAPA-TOPO SA32 | 1 |
| 218194 | CALÇOS P/VIDRO EURO 2000 | 4 |

| VEDANTES | | | |
|----------|--|---------------------------|------------|
| DES° | CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| | 208152 | JUNTA REMATE PAREDE 2069 | L+2H |
| | 208008 | JUNTA INTERIOR 2051 | L+2H |
| | 208491 | JUNTA CENTRAL 2067 | L+2H |
| | 208350 | JUNTA EXTERIOR VIDRO 2003 | 2L+2H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 2L+2H |
| | 213255 | CANTO VULCANIZADO 2067.1 | |
| | 208464 | PELÚCIA 8.5x12 STOP-FIN | 2L |
| | ALTERNATIVA À PELÚCIA 8.5x12 STOP-FIN: | | |
| | 208246 | JUNTA ENCAIXE VD1140 | 2L |

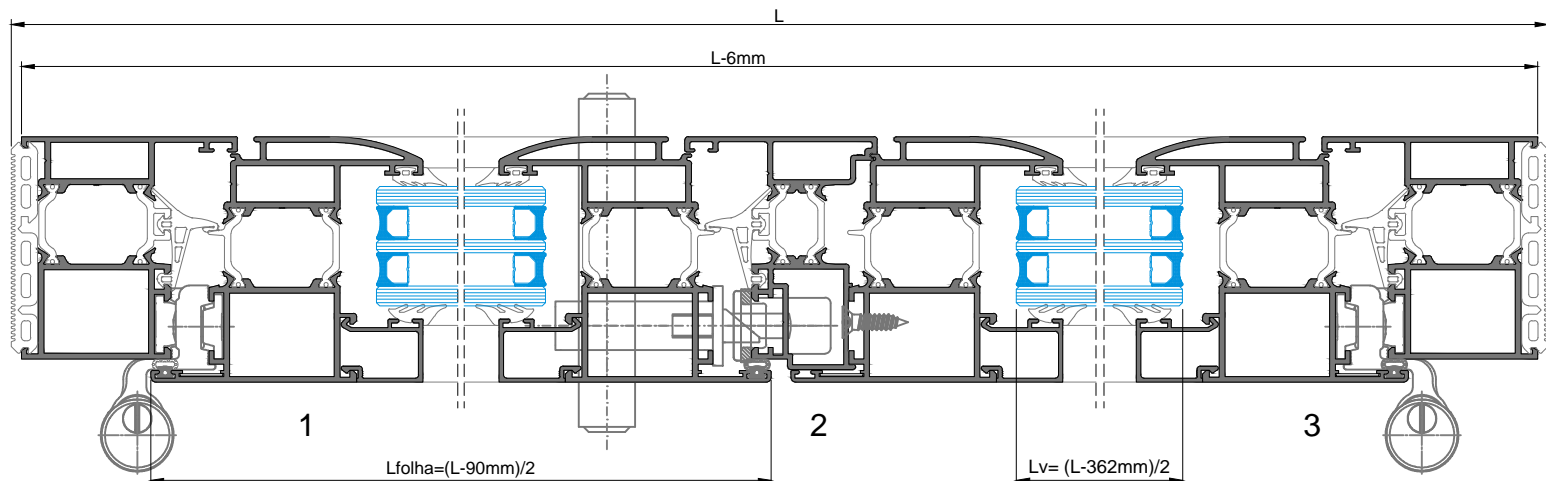
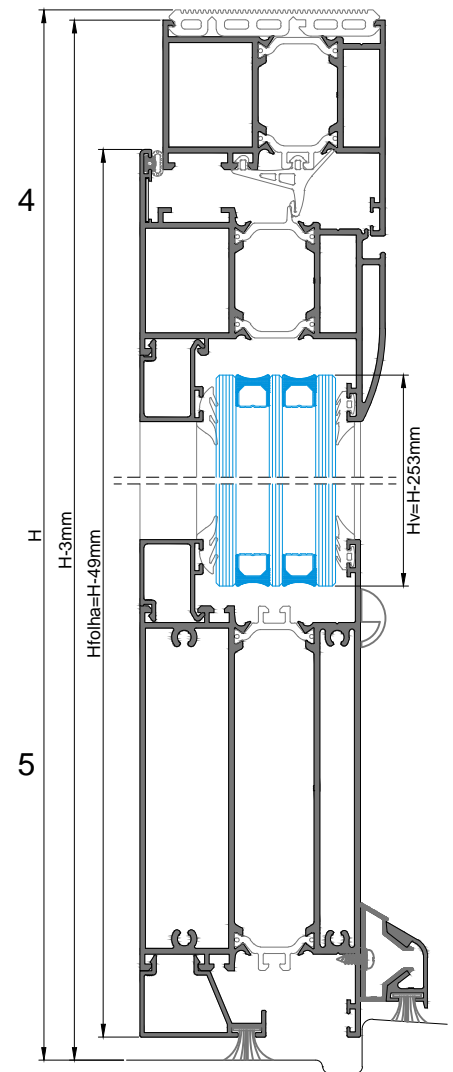
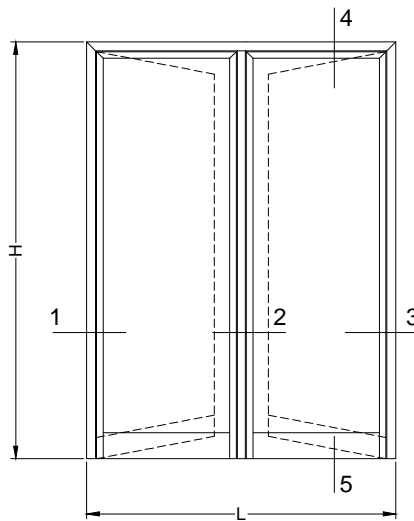


PORTA DE 2 FOLHAS ABERTURA INTERIOR (COM JUNTA REMATE PAREDE)

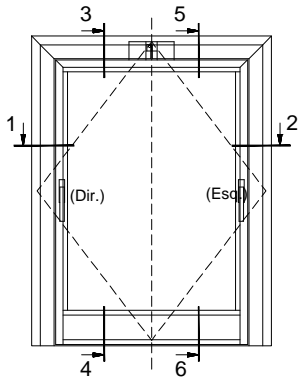
| PERFIS | | | | | | |
|--------|-------|--------------------|--------------|----------------|--------|-------|
| DES. | REF. | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-07 | ARO FIXO | L-6 | H-3 | 1+2 | |
| | LT-88 | ARO MÓVEL (L-90)/2 | (L-90)/2 | H-49 | 2+4 | |
| | LT-06 | INVERSOR | - | H-83 | 1 | |
| | LT-14 | TRAVESSA | (L-314)/2 | - | 2 | |
| | SA-31 | COMPLEMENTO | (L-291)/2 | - | 2 | |
| | SA-32 | PINGADEIRA | (L-222)/2 | (L-222)/2+65mm | 1 | |
| | - | BITE RETO | (L-231)/2 | H-281 | 4+4 | |
| | AT-59 | REMATE INF. | (L-231)/2 | - | 2 | |

| ACESSÓRIOS | | |
|------------|----------------------------------|------------|
| CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| 213246 | CANTO CR S/SB | 4 |
| 204009 | ESQ. 18-1130-C | 6 |
| 204730 | ESQ. AT. E G | 6 |
| 202010 | DOBRADIÇA PORTA 2L AFINAÇÃO 3D | 6 |
| 201615 | FECHADURA 3 PONTOS PERFORMA 35mm | 1 |
| 280012 | TESTA CENTRAL PERFORMA (Pr.) | 1 |
| 280011 | TESTA SUP./INF. PERFORMA (Pr.) | 2 |
| 230503 | SEGREGO 70/32 | 1 |
| 220190 | ESPELHO 874.801 | 2 |
| 200028 | PUXADOR DUPLO 874.31 | 1 |
| 227301 | QUADRA AÇO 8 x 140mm | 1 |
| 210154 | GOTEIRA 1875 | 4 |
| 212346 | CONJ. TAPA-TOPO SA32 | 2 |
| 218194 | CALÇOS P/VIDRO EURO 2000 | 8 |
| 212014 | CONJUNTO INVERSOR LT | 1 |
| 225195 | PASSADOR REVERSÍVEL 1550 | 2 |
| 225154 | HASTE FECHO 1550.801 | 2 |
| 202077 | CONTRA-FECHO 1404 | 1 |
| 211103 | PONTO FECHO PAVIMENTO 1409/8 | 1 |

| VEDANTES | | | |
|----------|--|---------------------------|------------|
| DES. | CÓDIGO | DESIGNAÇÃO | QUANTIDADE |
| | 208152 | JUNTA REMATE PAREDE 2069 | L+2H |
| | 208008 | JUNTA INTERIOR 2051 | L+4H |
| | 208491 | JUNTA CENTRAL 2067 | L+3H |
| | 208350 | JUNTA EXTERIOR VIDRO 2003 | 4L+4H |
| | VARIÁVEL | JUNTA INTERIOR VIDRO | 4L+4H |
| | 213255 | CANTO VULCANIZADO 2067.1 | 2 |
| | 208464 | PELÚCIA 8.5x12 STOP-FIN | 2L |
| | ALTERNATIVA À PELÚCIA 8.5x12 STOP-FIN: | | |
| | 208246 | JUNTA ENCAIXE VD1140 | 2L |

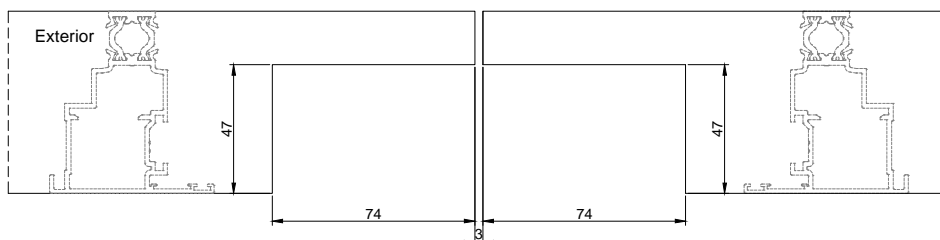
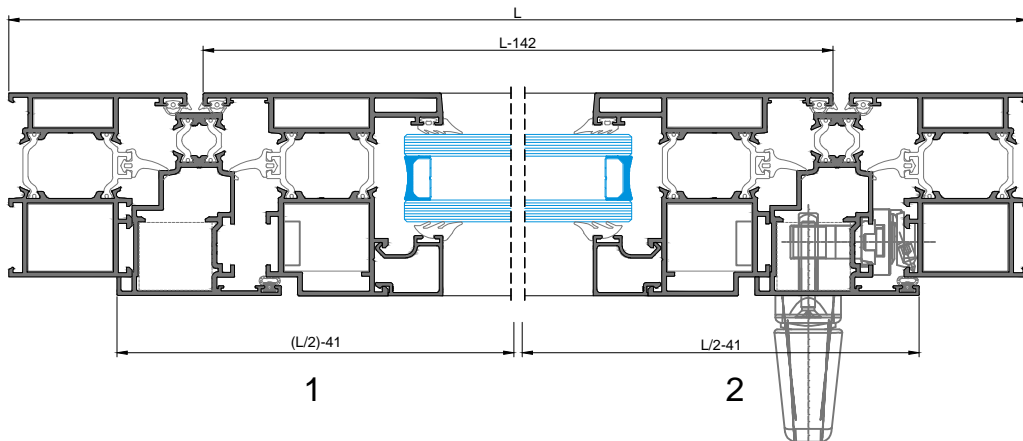
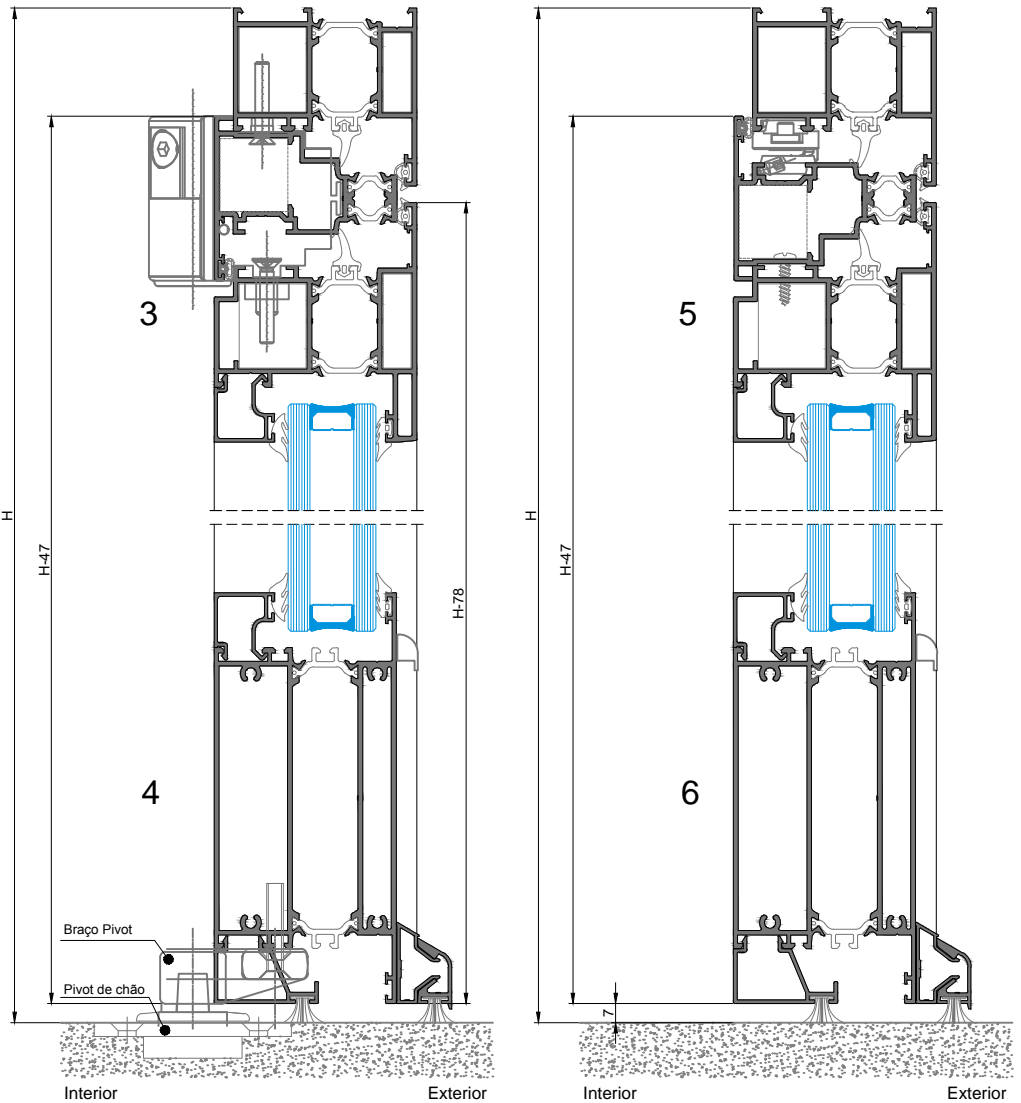


PORTA PIVOTANTE - EIXO VERTICAL



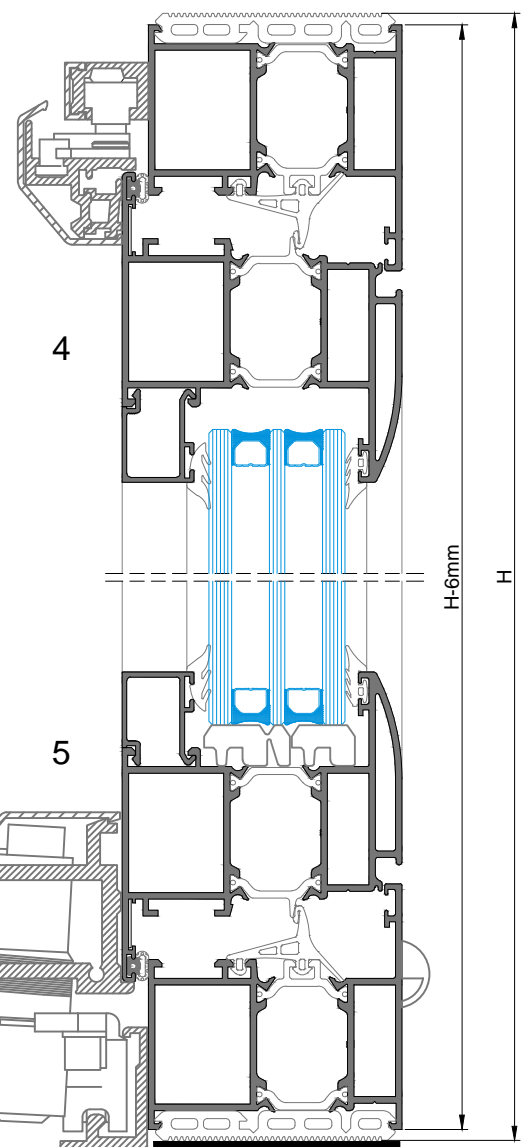
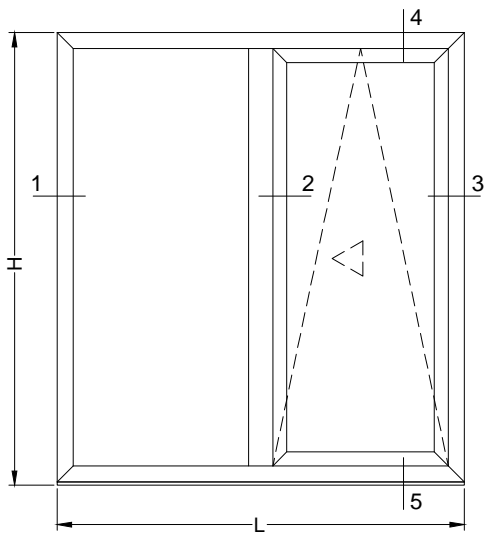
CARACTERÍSTICAS:

- Rótulas Verticais
- Peso Máximo: 175 Kg
- Largura mínima: 600mm
- Altura mínima: 600mm
- Posições de abertura: Esquerdo e Direito
- Regulação de força das rótulas

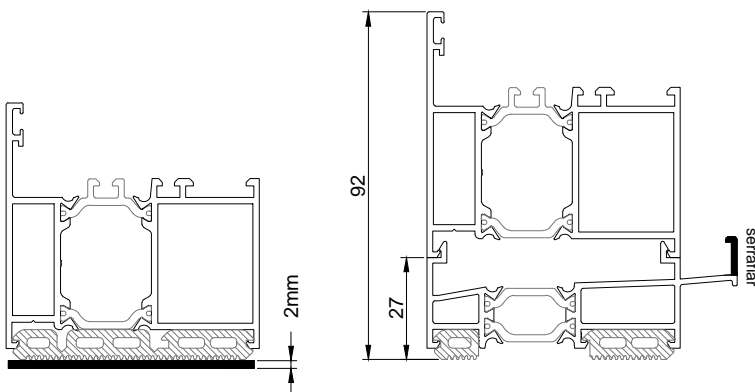


VÃO OSCILO-PARALELO COM 1 FOLHA + 1 FIXO LATERAL

PORMENORES INFORMATIVOS. PARA PROJETOS ESPECÍFICOS, CONSULTAR O NOSSO DEPARTAMENTO TÉCNICO

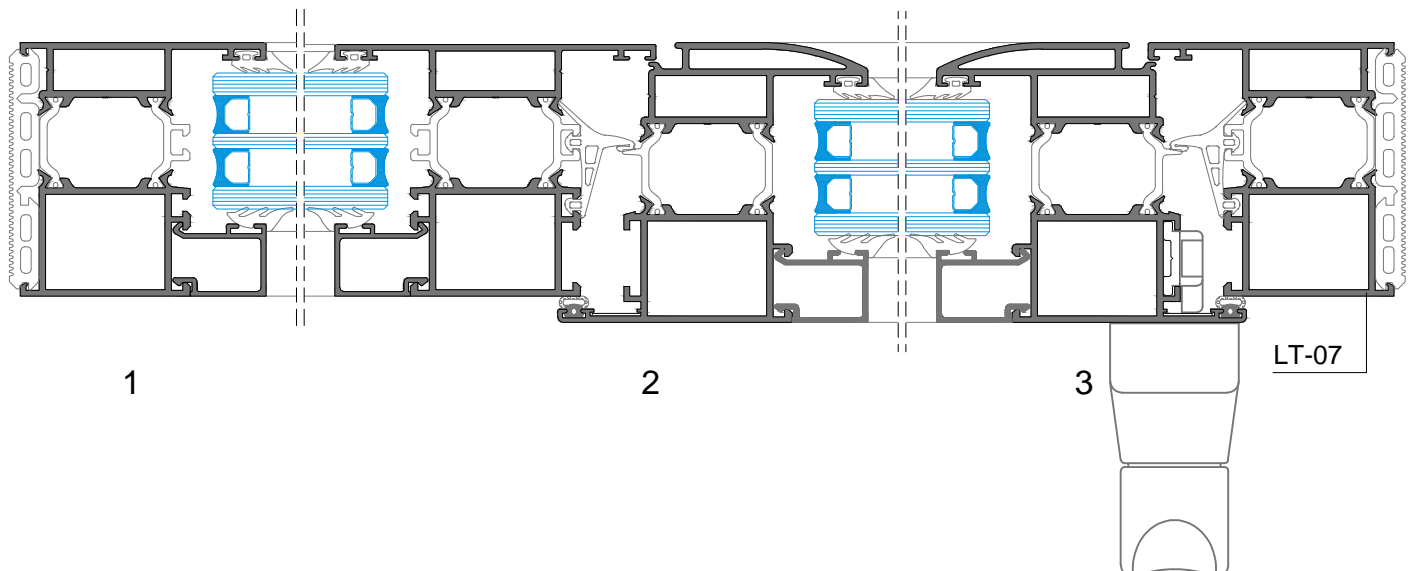


PORMENOR DE APLICAÇÃO NA ZONA INFERIOR DO ARO FIXO

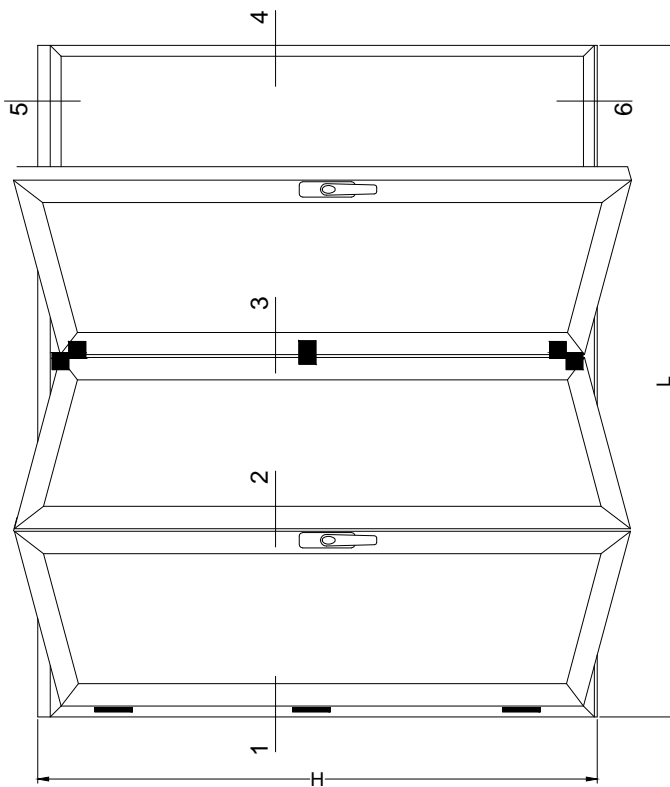


Para aplicar a ferragem oscilo-paralela, é necessário colocar uma espessura $\geq 2\text{mm}$ debaixo da junta 2069, no aro fixo inferior.

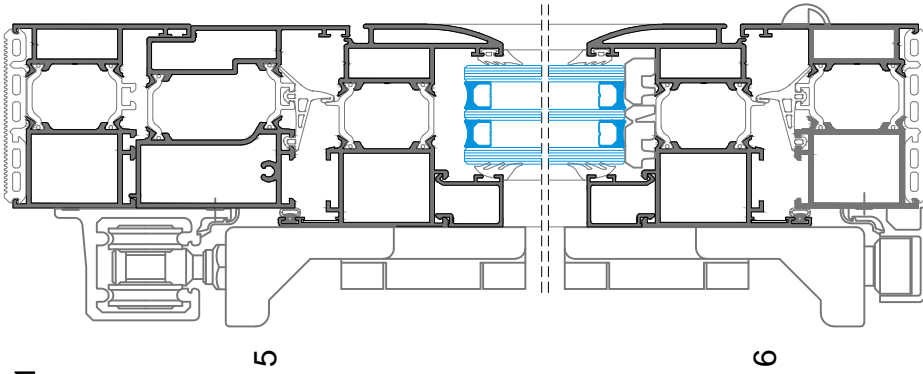
Alternativa, com aplicação da soleira LT 27. Ter em conta que é necessário serrafiar a aba da soleira conforme indicado.



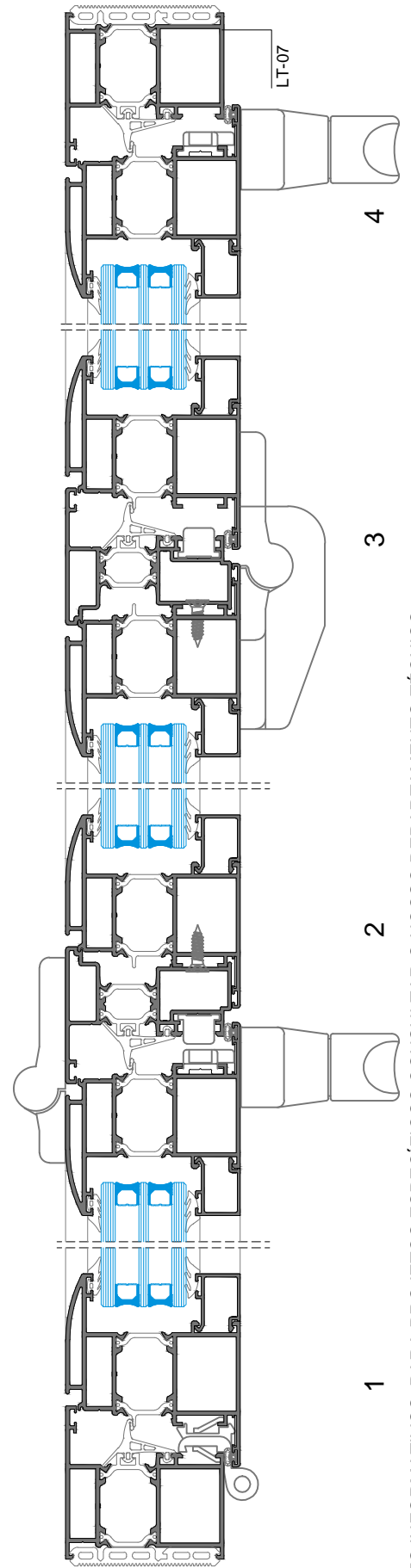
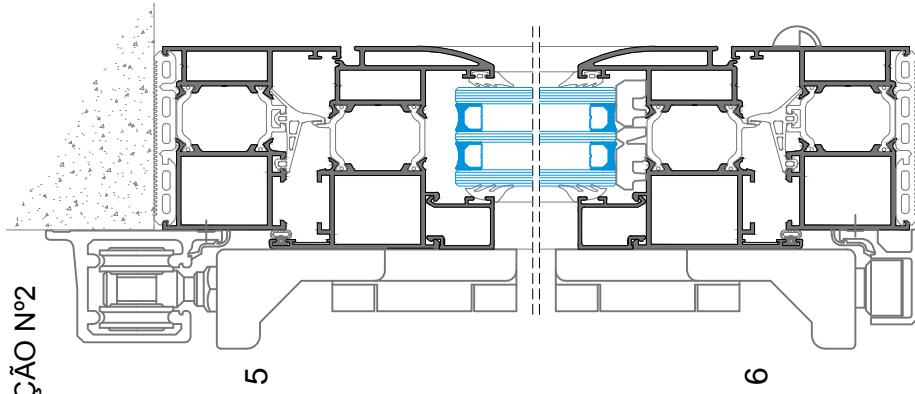
PORTA DE HARMÔNIO DE 3 FOLHAS



OPÇÃO Nº1



OPÇÃO Nº2



PORMENORES INFORMATIVOS. PARA PROJETOS ESPECÍFICOS CONSULTAR O NOSSO DEPARTAMENTO TÉCNICO

FERRAGEM PARA VÃOS EM HARMÓNIO FSPORTAL-LM

EXEMPLOS DE COMBINAÇÕES POSSÍVEIS:

ESQUEMA 321



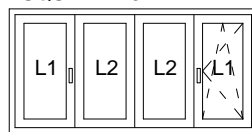
2 FOLHAS EM HARMÓNIO
1 FOLHA DE SERVIÇO (@)

ESQUEMA 330



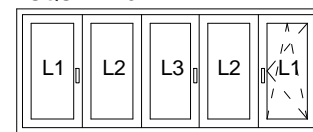
3 FOLHAS EM HARMÓNIO (#)

ESQUEMA 431



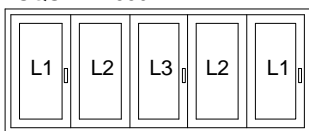
3 FOLHAS EM HARMÓNIO
1 FOLHA DE SERVIÇO (@)

ESQUEMA 541



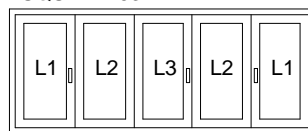
4 FOLHAS EM HARMÓNIO
1 FOLHA DE SERVIÇO (@)

ESQUEMA 550



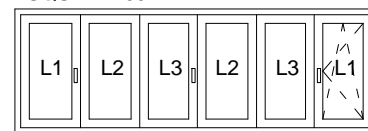
5 FOLHAS EM HARMÓNIO (#)

ESQUEMA 532



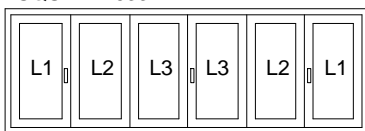
3+2 FOLHAS EM HARMÓNIO (#)

ESQUEMA 651



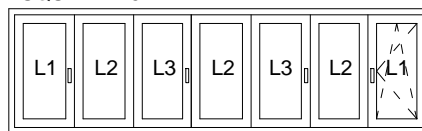
5 FOLHAS EM HARMÓNIO
1 FOLHA DE SERVIÇO (@)

ESQUEMA 633



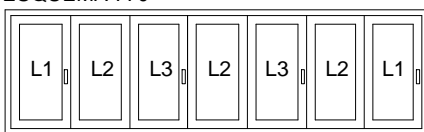
3+3 FOLHAS EM HARMÓNIO (#)

ESQUEMA 761



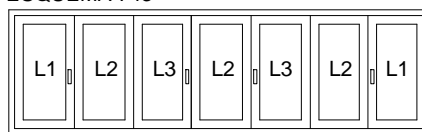
6 FOLHAS EM HARMÓNIO
1 FOLHA DE SERVIÇO (@)

ESQUEMA 770



7 FOLHAS EM HARMÓNIO (#)

ESQUEMA 743



4+3 FOLHAS EM HARMÓNIO (#)

NESTES VÃOS, A 1ª FOLHA SERVE DE SERVIÇO
@ NESTES VÃOS, A FOLHA DE SERVIÇO PODE SER
COM O SISTEMA OSCILO-BATENTE

FERRAGEM PARA VÃOS EM HARMÓNIO FSPORTAL-LM

DESDE 330mm LARGURA MIN./ 900mm LARGURA MAX. CADA FOLHA

DESDE 850mm ALTURA MIN./ 2400mm ALTURA MAX.

PESO MAX. FOLHA : 80Kg

MEDIDA DAS GUIAS DISPONÍVEIS: 2,5, 3,5, 4,5 ou 7m
O ACABAMENTO PARA O CONJUNTO DE PERFIS GUIA,
É SOB ENCOMENDA

| DESIGNAÇÃO | VÃOS TIPO CONFORME ESQUEMAS | | | | | | | | | | |
|---|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 321 | 330 | 431 | 541 | 550 | 532 | 651 | 633 | 761 | 770 | 743 |
| CONJUNTO DE ROLAMENTOS TERMINAL FS-LM FSTLM Bruto + CONJUNTO COBERTURA P/ROLAMENTO TERMINAL FS-LM BRC ou FS-LM PRT | 1 | | | 1 | | 1 | | | 1 | | 1 |
| CONJUNTO DE ROLAMENTOS INTERMEDIOS FS-LM FSCLM Bruto + CONJUNTO COBERTURA P/ROLAMENTO FSCLM INTERMÉDIO FS-LM BRC ou FS-LM PRT | | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 2 |
| KIT DE MOLAS PARA RETENÇÃO DAS PORTAS RFSLM - BR ou PRT | | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 2 |
| CONJUNTO DE DOBRADIÇAS FS-LM (3 DOB.) Bruto + CONJUNTO COBERTURA P/ DOBRADIÇA FS-LM BRC ou FS-LM PRT | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| CONJ. PERFIS GUIAS FS-LM 4 MEDIDAS DISPON.= 2,5m, 3,5m, 4,5m e 7m | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DOBRADIÇA MORSA 1122 OU DOBRADIÇA 2 ABAS 1145/60 + ART. COMPLEMENTAR | 6 | 3 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 3 | 6 |
| PEÇA CREMONE VARETA 1481 NYLON PR. | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 |
| TERMINAL VARETA 1486 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 |
| CONTRA-FECHO DUPL. 1416.6 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 |
| CREMONE "MANON" OU "GIONCONDA" (870/880.2) | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| FECHO PARA 2ª FOLHA 2000 | | | | 2 | | | 2 | 2 | | | |

NOTA IMPORTANTE:
AS MEDIDAS MÍN. e MÁX. PARA L.H. REPORTAM-SE ÀS DIMENSÕES DA ÁREA MÓVEL DA JANELA
PARA MAIS INFORMAÇÕES CONSULTE O NOSSO DEPARTAMENTO TÉCNICO
SOLICITAR OS GABARITOS DE FURAÇÃO PARA A MONTAGEM DAS PORTAS

MEDIDAS DE CORTE PARA SISTEMAS DE HARMÓNIO COM ARO FIXO LT 07

COM JUNTA DE REMATE PAREDE

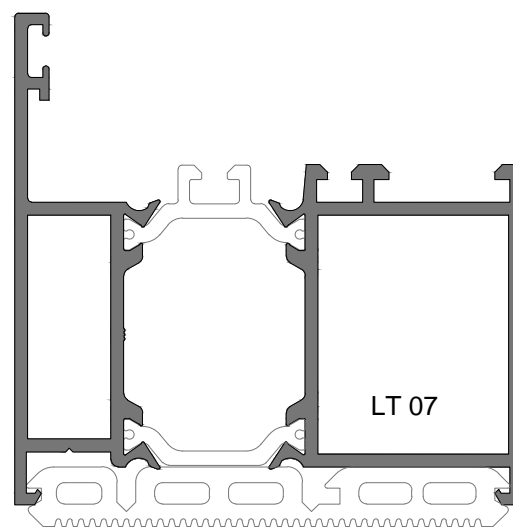
FOLHA: LARGURA: MIN 330mm / MÁX. 900mm
 ALTURA: MIN 850mm / MÁX. 2400mm
 PESO: MÁX. 80 Kg

L= LARGURA DO VÃO TOTAL

L1= LARGURA DE FOLHA Nº1

L2= LARGURA DE FOLHA Nº2

L3= LARGURA DE FOLHA Nº3



ESQUEMAS 321 , 330

$$L1 = \frac{L - 20\text{mm}}{3}$$

$$L2 = L1 - 76\text{mm}$$

ESQUEMA 431

$$L1 = \frac{L + 50\text{mm}}{4}$$

$$L2 = L1 - 76\text{mm}$$

ESQUEMAS 541, 550, 532

$$L1 = \frac{L + 56\text{mm}}{5}$$

$$L2 = L1 - 76\text{mm}$$

$$L3 = L1 - 12\text{mm}$$

ESQUEMAS 651, 633

$$L1 = \frac{L + 62\text{mm}}{6}$$

$$L2 = L1 - 76\text{mm}$$

$$L3 = L1 - 12\text{mm}$$

ESQUEMAS 761, 770, 743

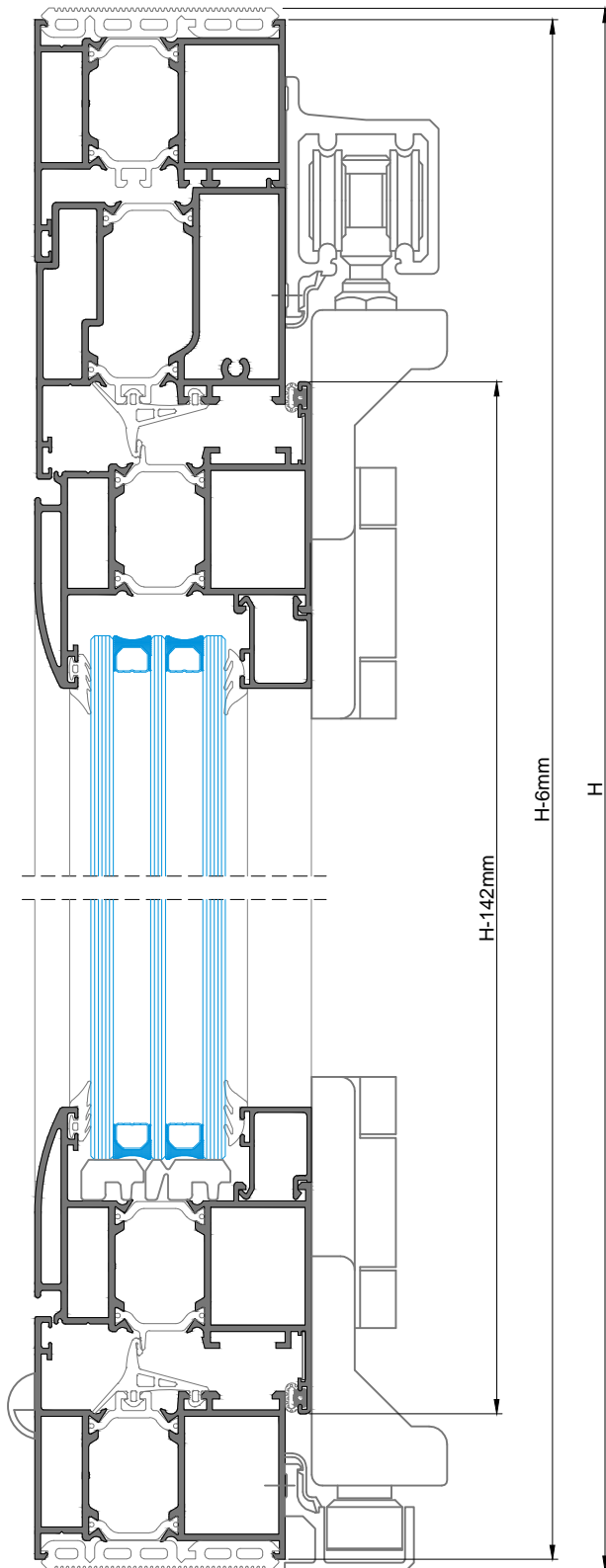
$$L1 = \frac{L + 132\text{mm}}{7}$$

$$L2 = L1 - 76\text{mm}$$

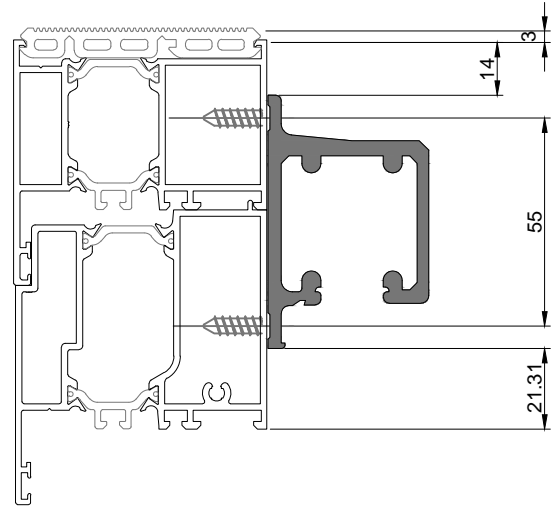
$$L3 = L1 - 12\text{mm}$$

MEDIDAS DE CORTE PARA SISTEMAS DE HARMÓNIO
 PLANO DE CORTE + FIXAÇÃO SUPERIOR e INFERIOR

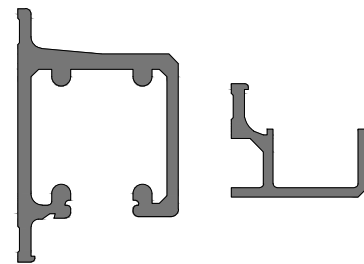
LT 15 = L- 87mm



PORMENOR DE FIXAÇÃO
 DA CALHA SUPERIOR



CONJ. PERFIS GUIAS



MEDIDAS DISPONÍVEIS EM BRUTO:

2.50 m

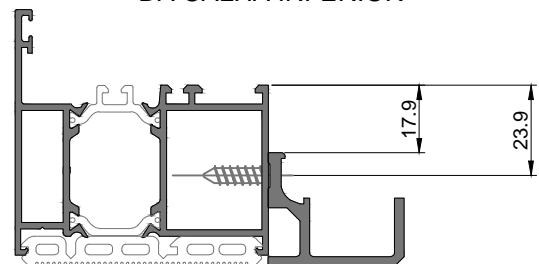
3.50 m

4.50 m

7.00 m

(PERFIS COM TRATAMENO SOB ENCOMENDA)

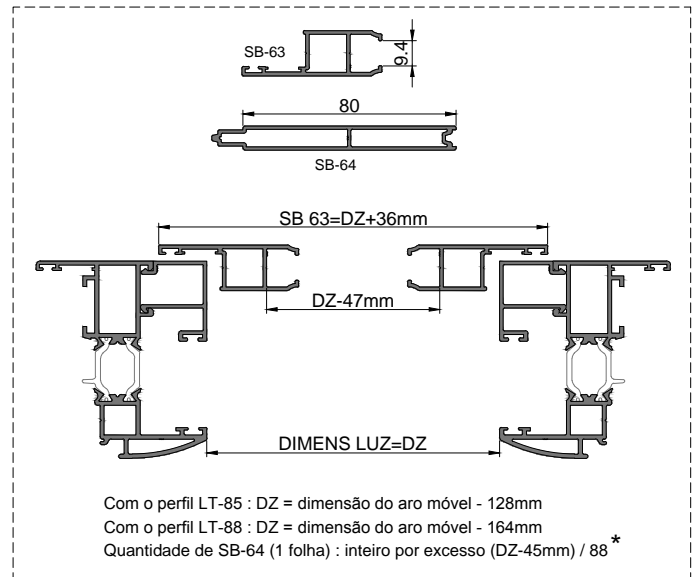
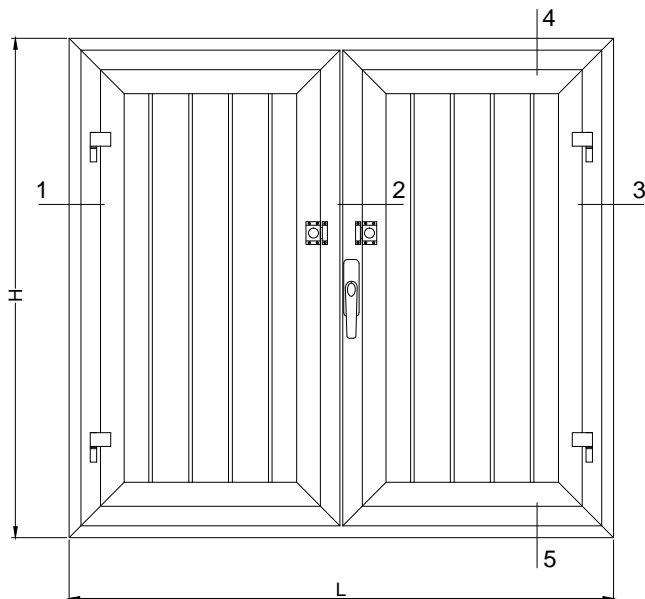
PORMENOR DE FIXAÇÃO
 DA CALHA INFERIOR



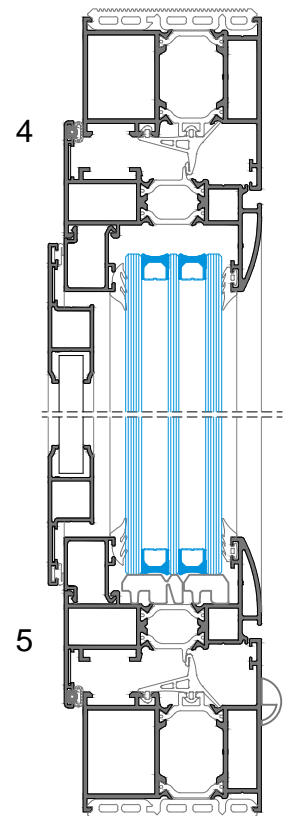
JUNTA 2069

TAPA-LUZ PARA JANELA 2 FOLHAS COM O SISTEMA LT

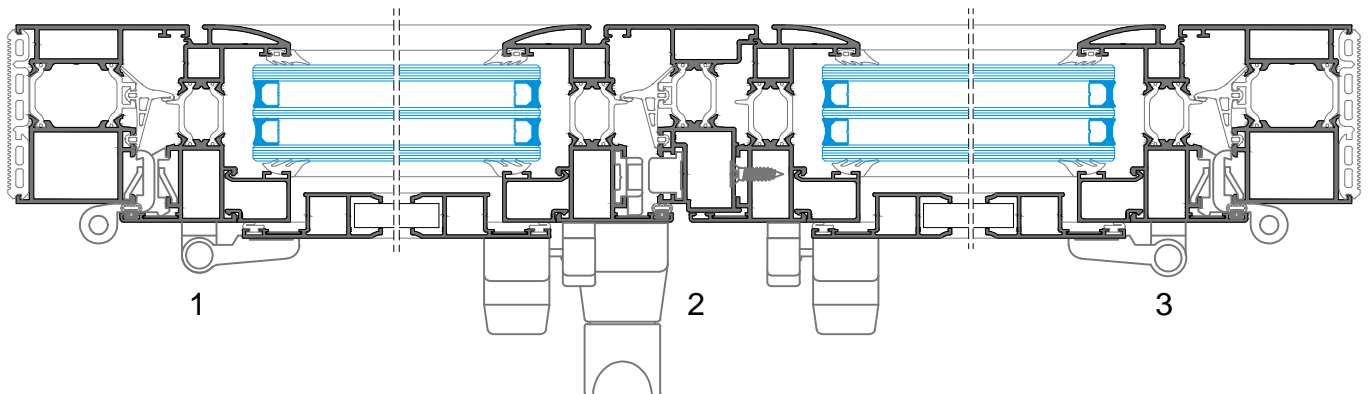
APLICAR COM OS BITES AT 97, AT 95, AT 94, AT 93, AT 92, AT 91, AT 90
 SA 97, SA 95, SA 94, SA 93, SA 92, SA 91
 SB 95, SB 94, SB 93, SB 92



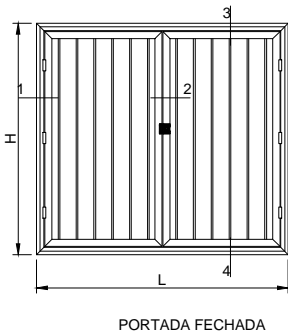
| LISTA DE MATERIAL PARA TAPA-LUZ DE 1 FOLHA | | | |
|--|----------------|---------------------------|----------------|
| SB-63 | ARO HORIZONTAL | 2 | DZ horiz.+36mm |
| SB-63 | ARO VERTICAL | 2 | DZ vert.+36mm |
| SB-64 | ENCHIMENTO | DIV. * | DZ-47mm |
| ESQUADRO 18-1414 C | | 4 | |
| CANTO CR S/SB | | 4 | |
| JUNTA 2102 | | Iguar quantidade de SB-63 | |
| DOB. TAPA-LUZ | | 2 | |
| TRINCO 9566 | | 1 | |



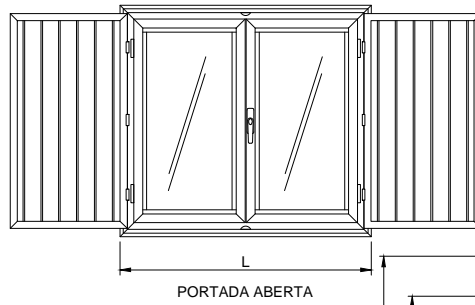
NOTA: Utilizar o dispositivo manual P18/14 para MAQUINAÇÃO do perfil SB-63



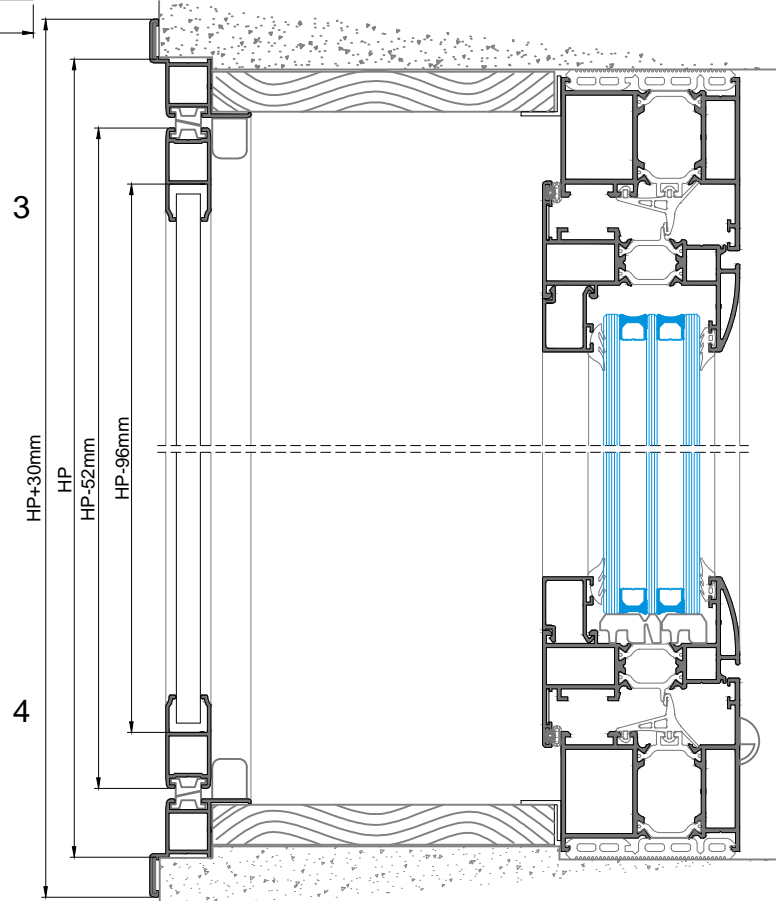
PORMENORIZAÇÃO DE PORTADAS INTERIORES NO SISTEMA LT



PORTADA FECHADA

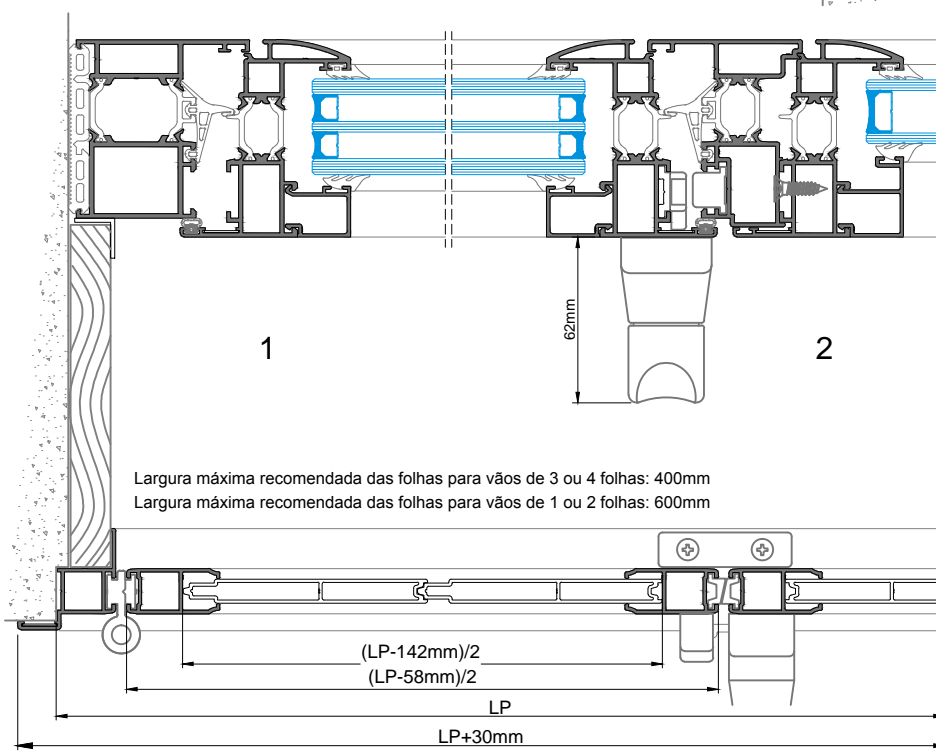


PORTADA ABERTA



| LISTA DE MATERIAL PARA PORTADA INTERIOR 2 FOLHAS | | | |
|--|-----------------|--------------------------------------|-------------|
| KY-69 | ARO HORIZONTAL | 2 | LP+30mm |
| KY-69 | ARO VERTICAL | 2 | HP+30mm |
| KY-70 | ARO MÓVEL HOR. | 4 | (LP-58mm)/2 |
| KY-70 | ARO MÓVEL VERT. | 4 | HP-52mm |
| SB-64 | ENCHIMENTO | DIV. * | HP-96mm |
| ESQUADRO 18-1414 C | | 12 | |
| CANTO CR S/SB | | 4 | |
| DOB. PORTADAS INT. | | 6 (INTERVALOS MÁX. 500mm ENTRE DOB.) | |
| TRINCO 9566 | | 1 | |
| BATENTE 877.804 | | 2 | |
| PERFIL MAG. 2036 | | 4LP+6HP | |

* Quantidade de SB-64 (2 folhas) : inteiro por excesso ((LP-142)/2) / 44



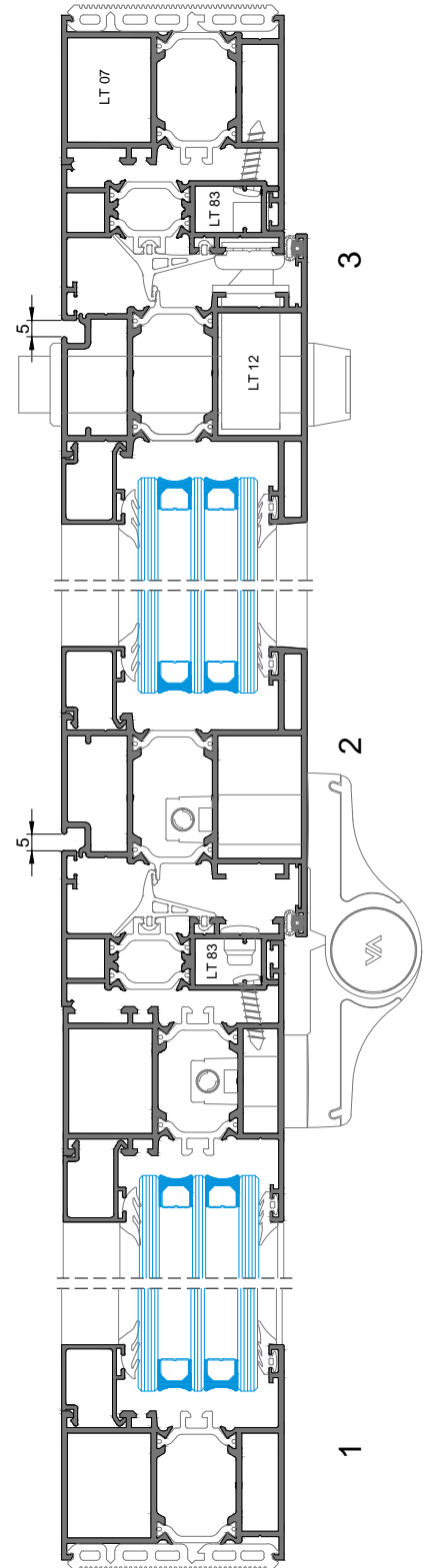
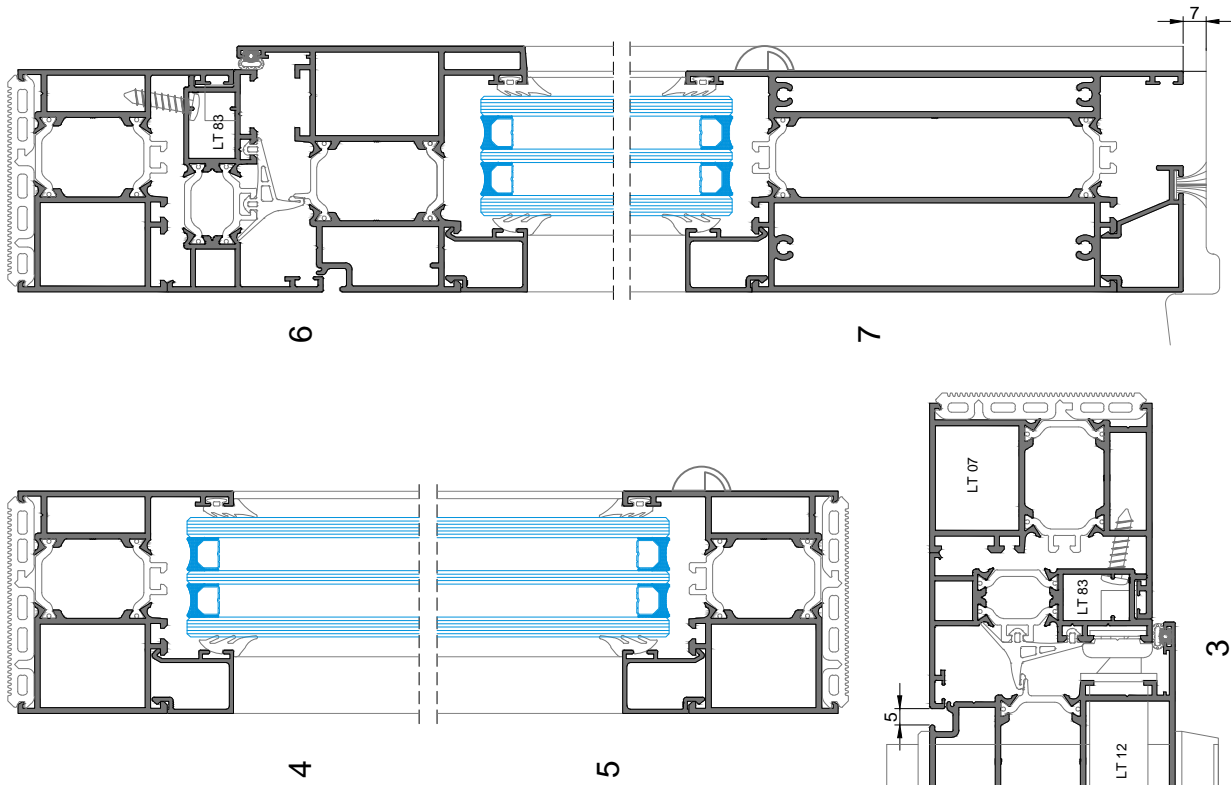
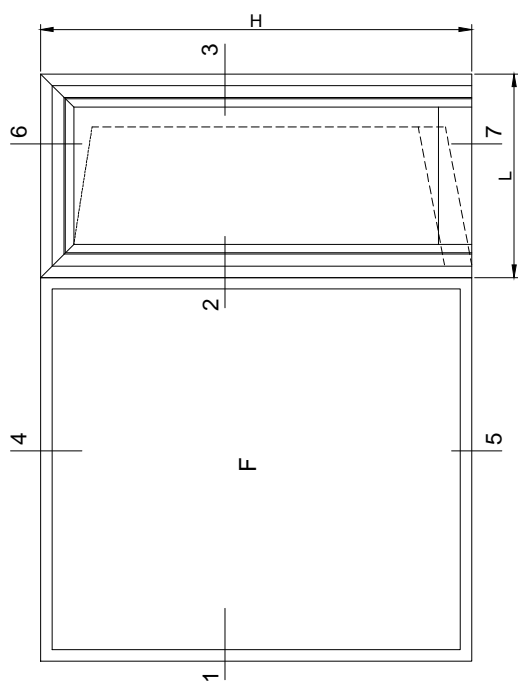
Largura máxima recomendada das folhas para vãos de 3 ou 4 folhas: 400mm
Largura máxima recomendada das folhas para vãos de 1 ou 2 folhas: 600mm

NOTA: Utilizar o dispositivo manual P18/14 para MAQUINAÇÃO dos perfis KY 69 e KY 70.

PORMENOR CONSTRUTIVO

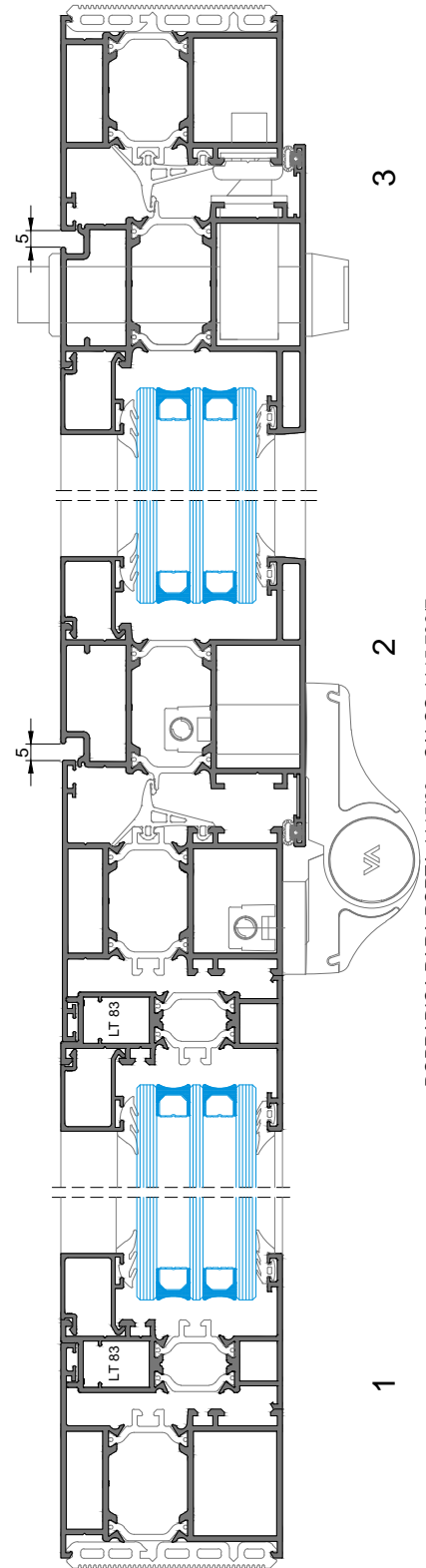
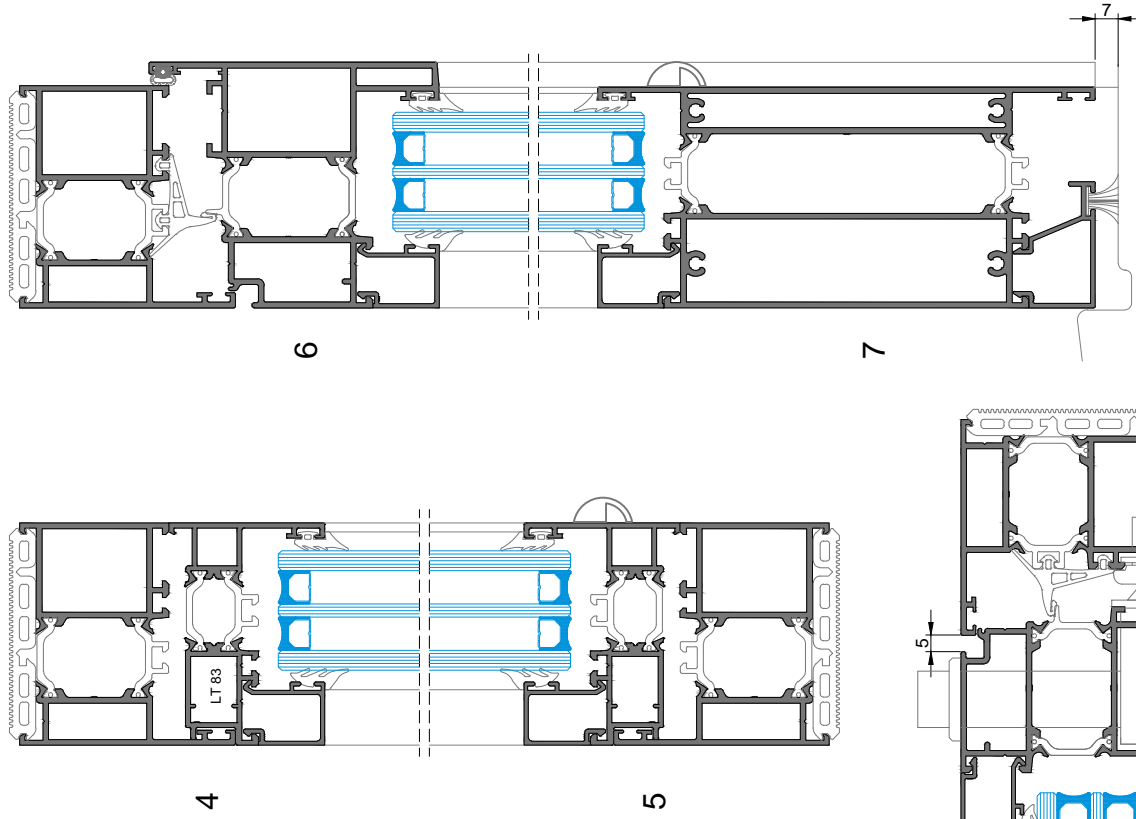
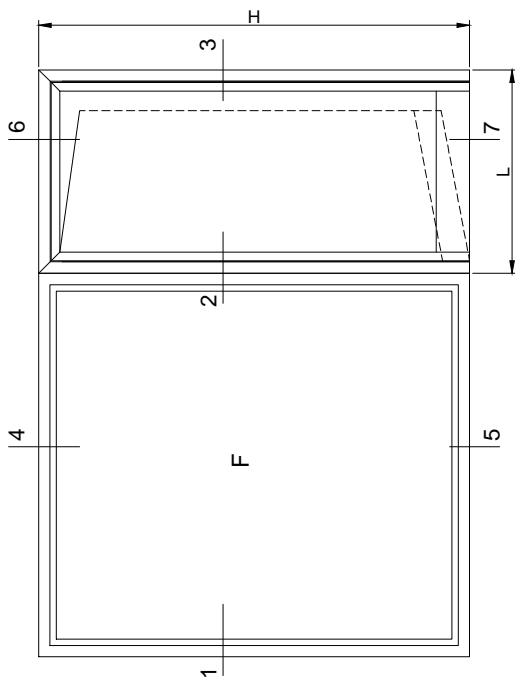
PORTA DE 1 FOLHA DE ABERTURA PARA EXTERIOR COM FIXO LATERAL

OPÇÃO 1 - PERFIL INVERSOR APLICADO NO VÃO MÓVEL

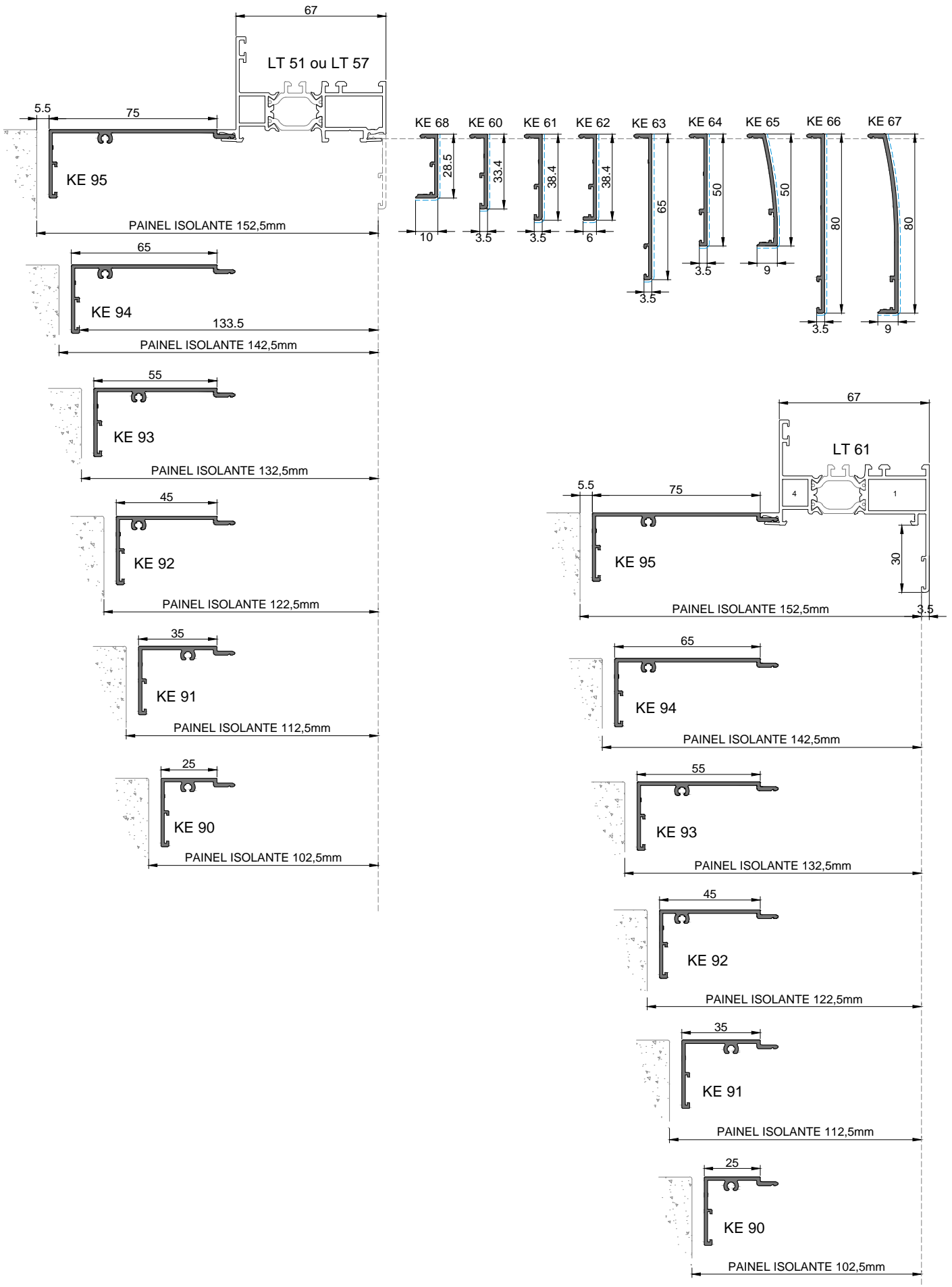


DOBRADIÇA PARA PORTA 1145.79

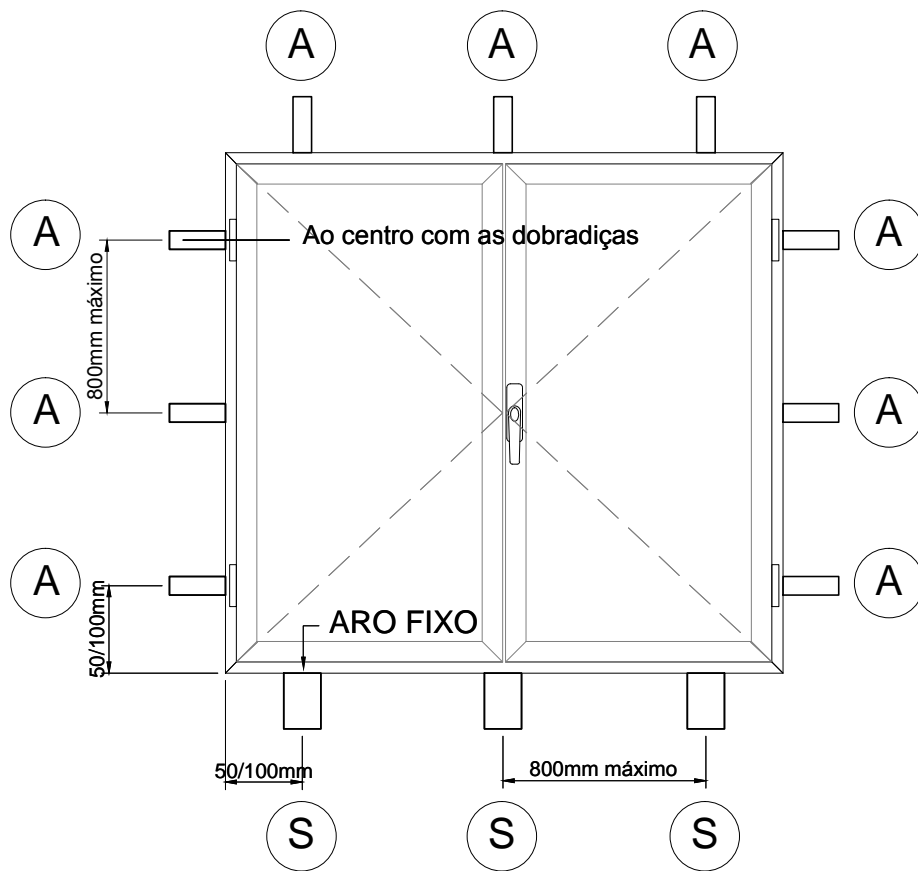
PORMENOR CONSTRUCTIVO
 PORTA DE 1 FOLHA DE ABERTURA PARA EXTERIOR COM FIXO LATERAL
 OPÇÃO 2 - PERFIL INVERSOR APLICADO NO VÃO FIXO



DOBRADIÇA PARA PORTA 1145/60 + CALÇO 1145.7037



APLICAÇÃO DAS PEÇAS DE FIXAÇÃO EM VÃOS DE BATENTE



ÂNGULO FIXAÇÃO

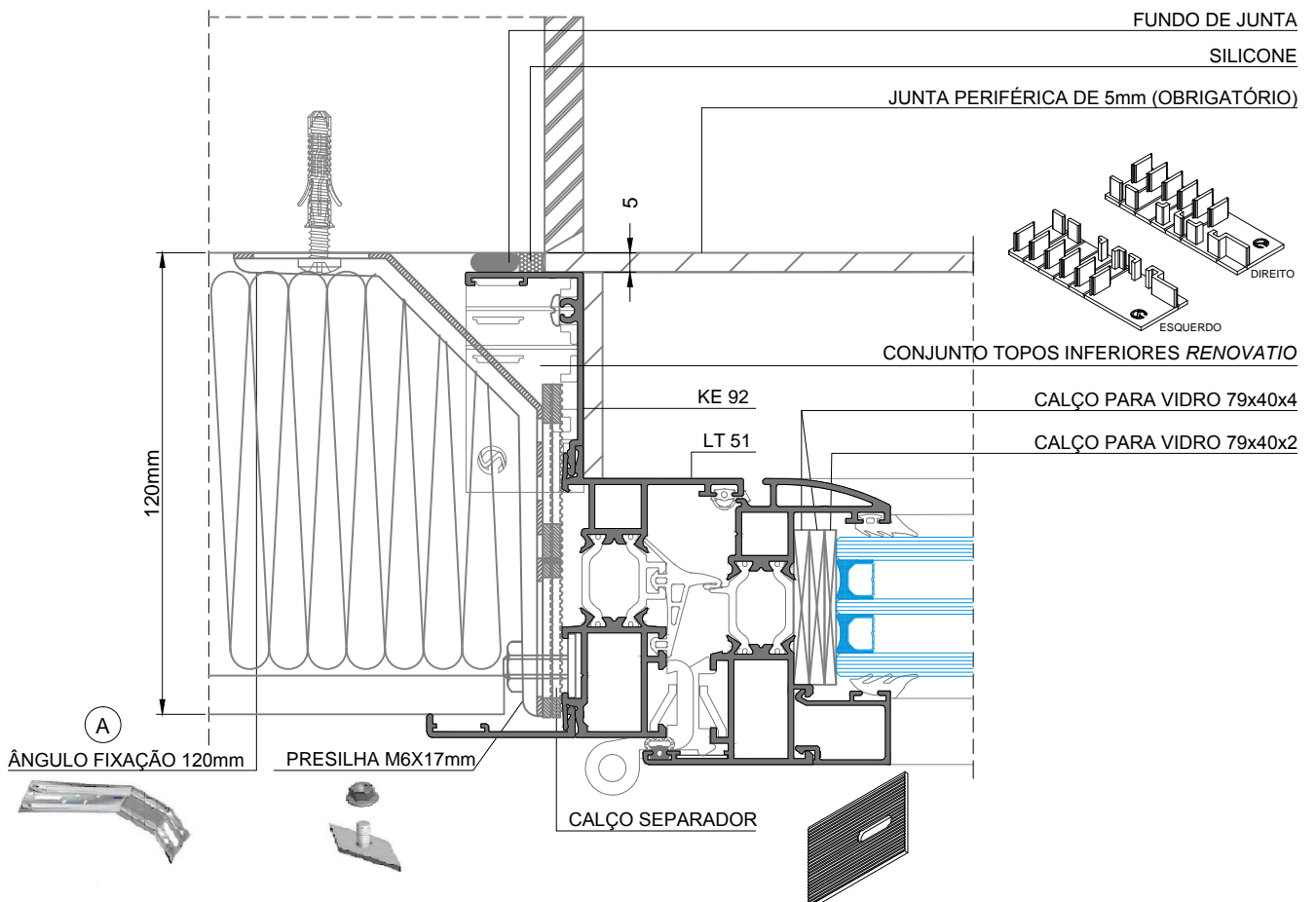
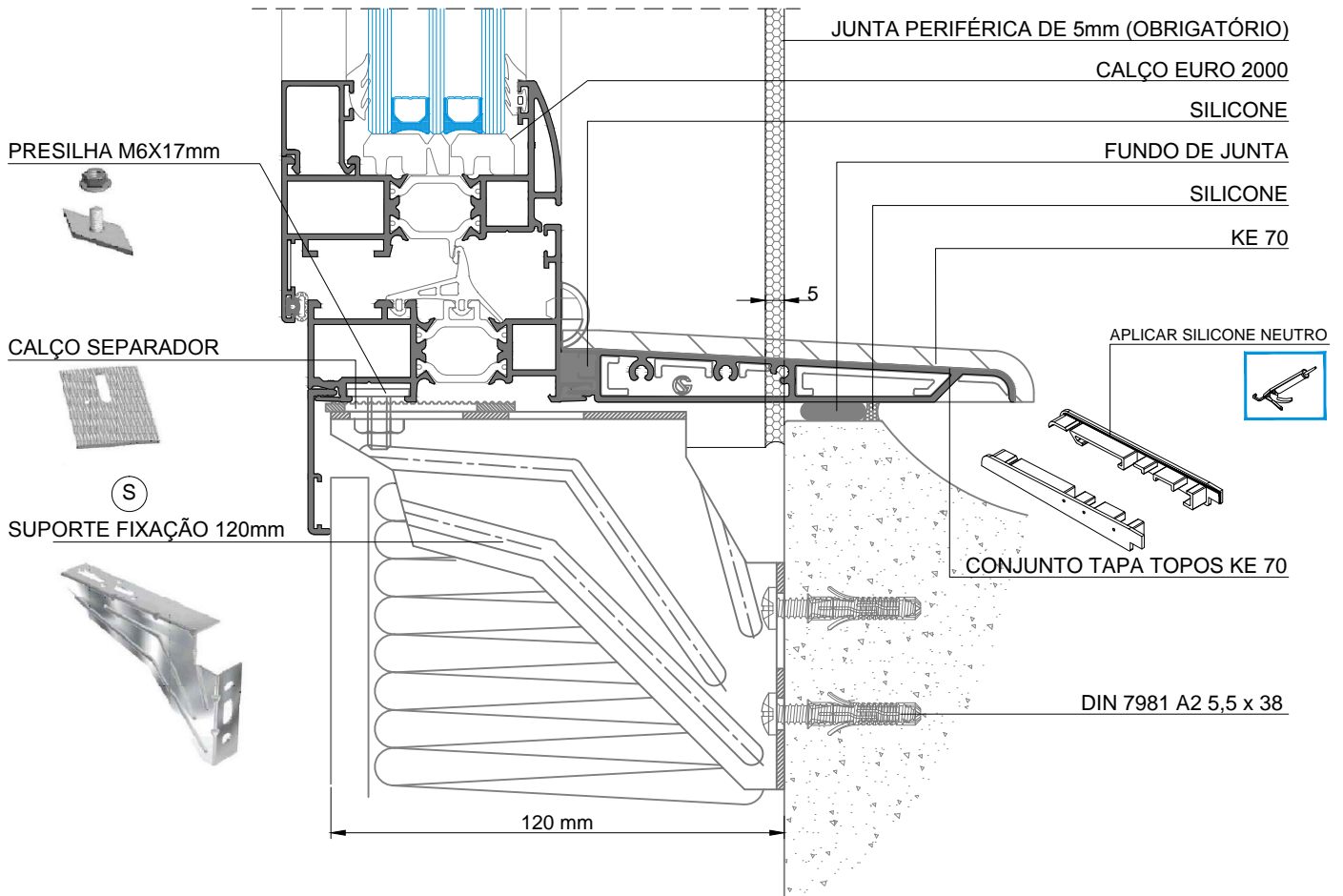


SUPORTE FIXAÇÃO

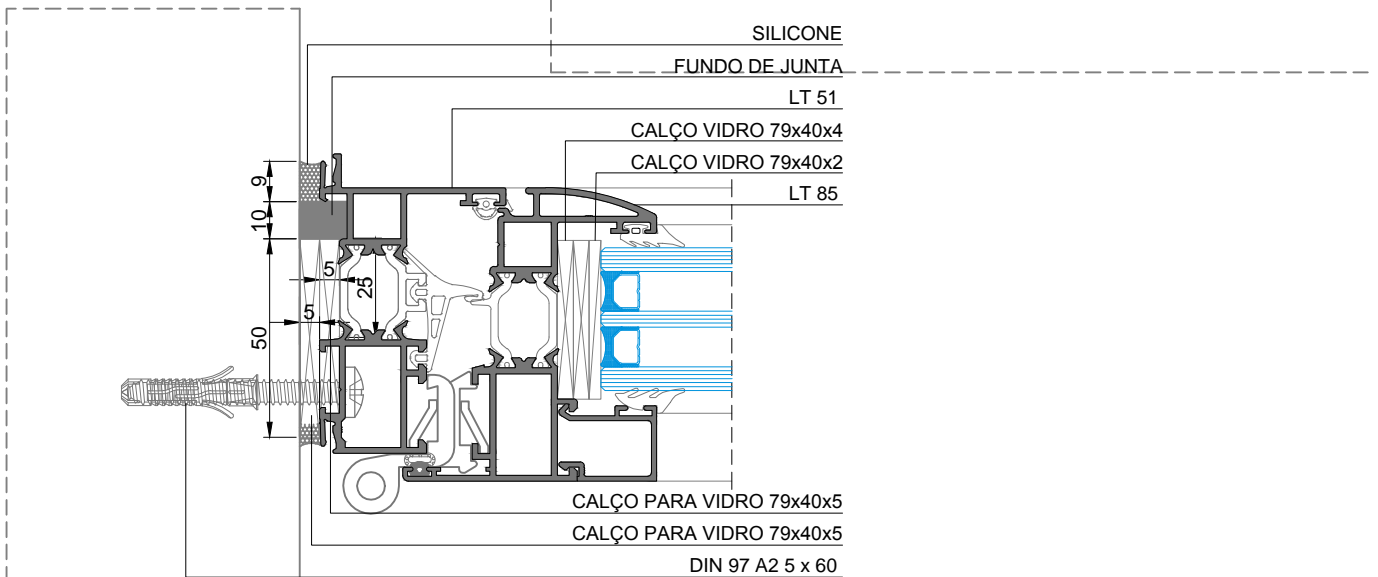
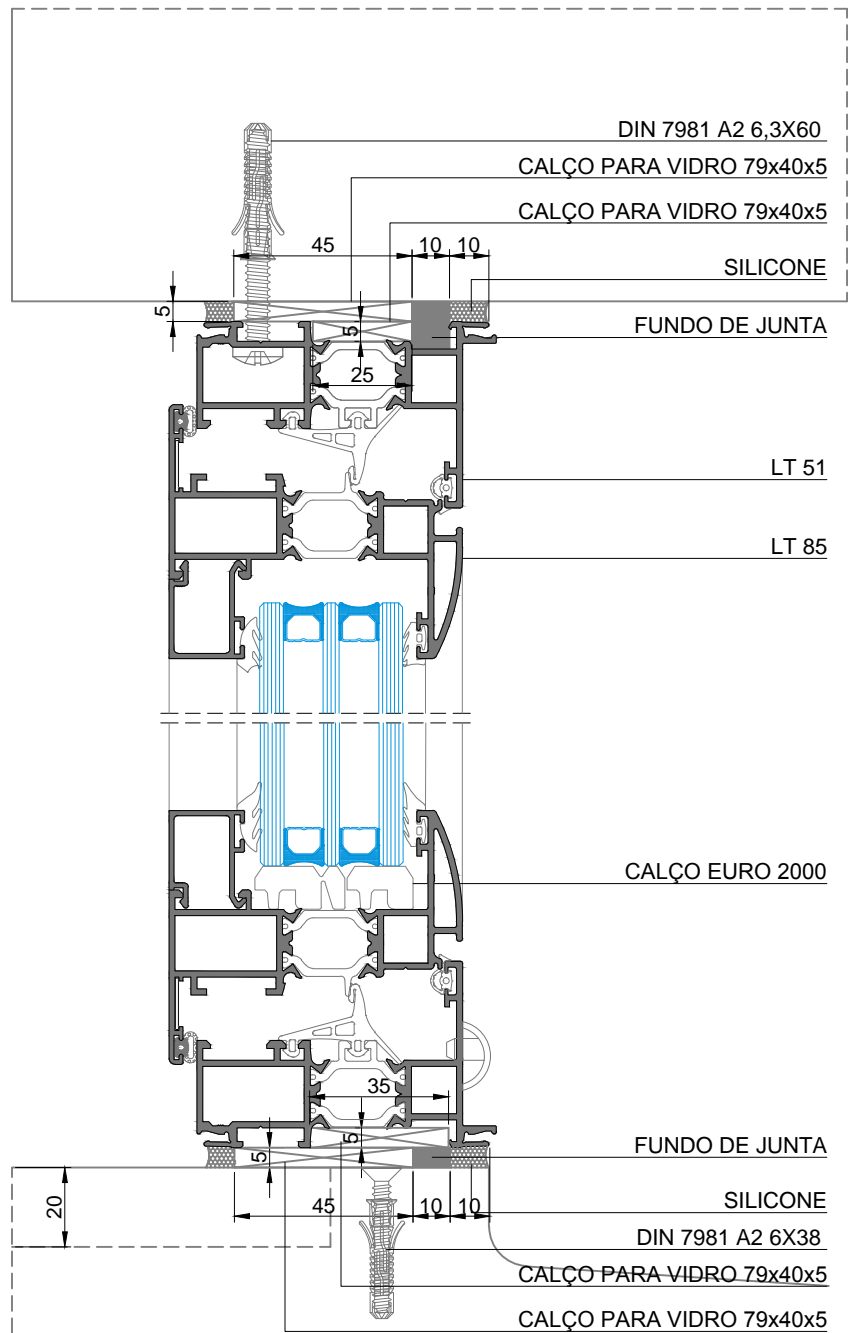


Informação de acordo com aplicação de painéis isolantes de 90mm a 140mm
 Peso máximo de vidro permitido: 35Kg/m²

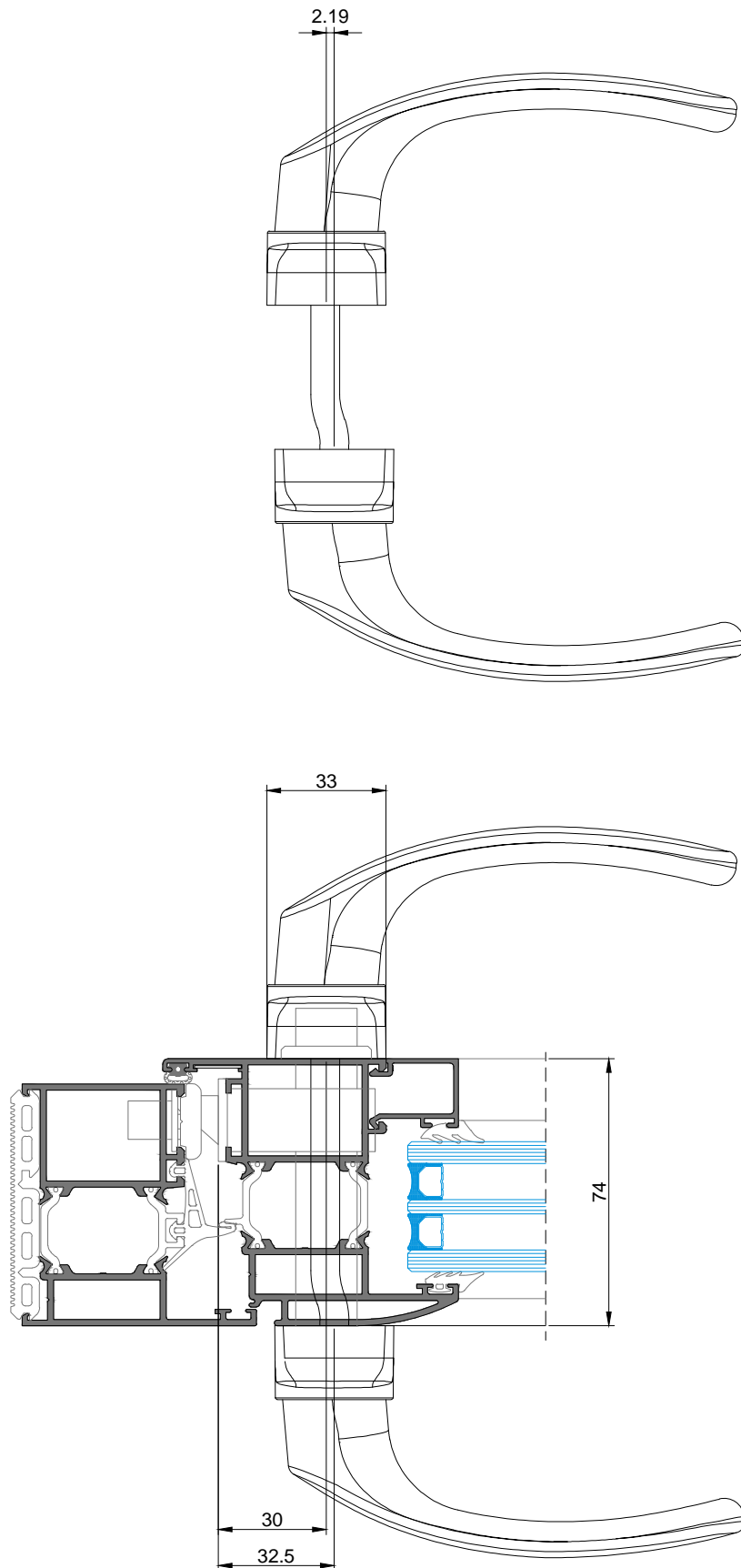
PAINEL ISOLANTE DE 120mm



OUTRAS SOLUÇÕES *RENOVATIO*

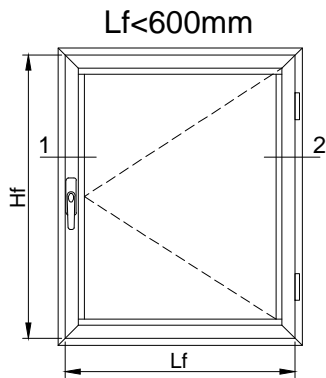


QUADRA DESCENTRADA PARA "PUXADOR DUPLO 615"

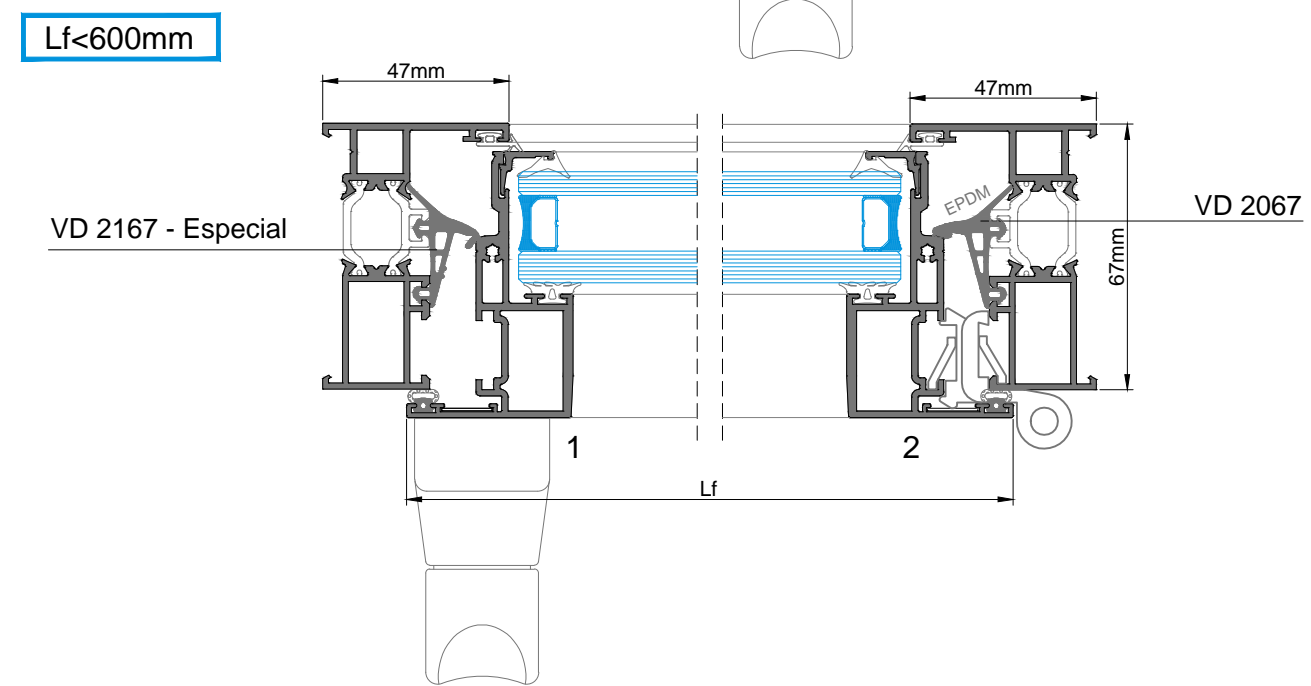
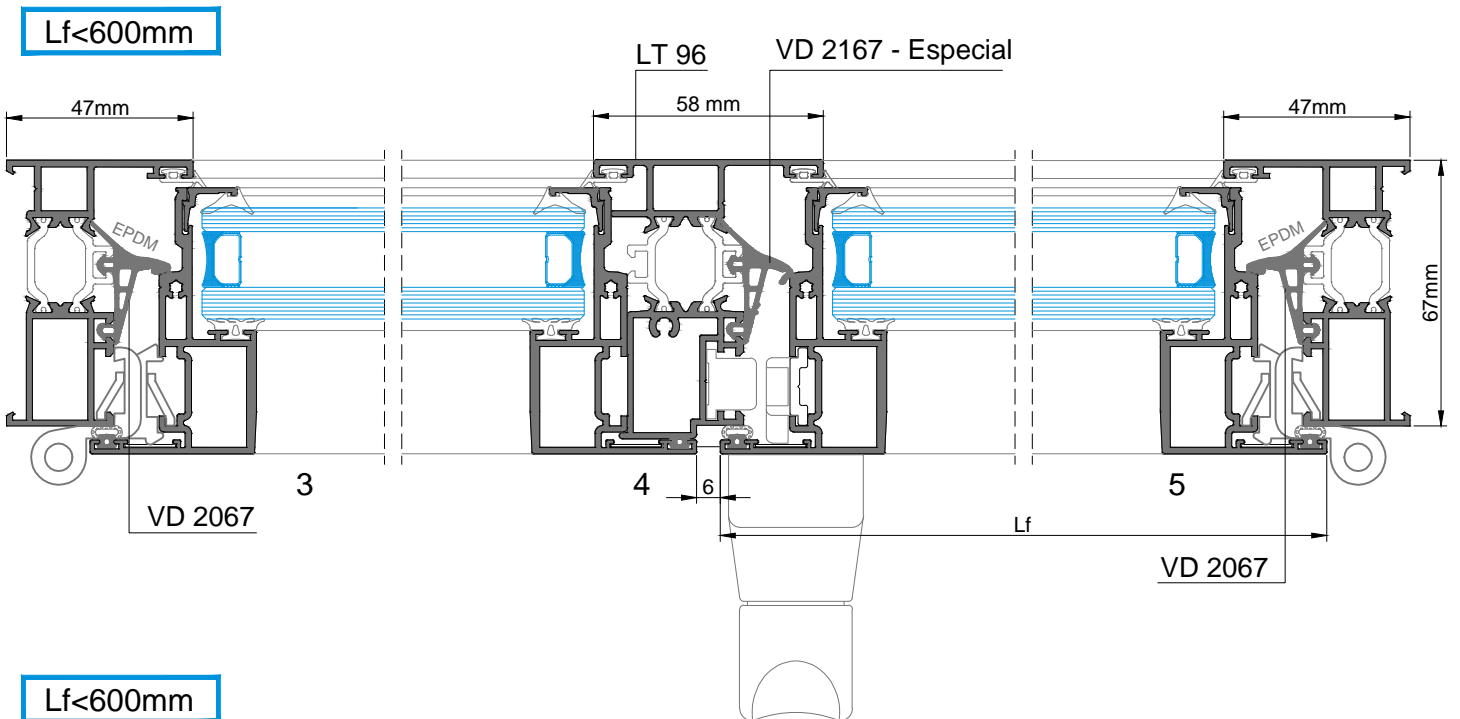
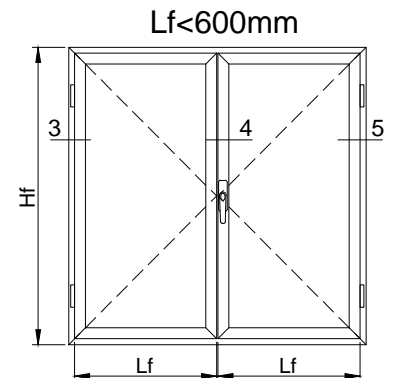
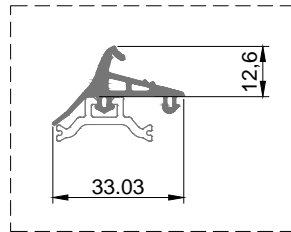


VD 2167-Especial

IMPORTANTE: Apenas para folhas em LT-90 inferiores a 600 mm de largura, aplicar vedante 2167- Especial na lateral que recebe o fecho .

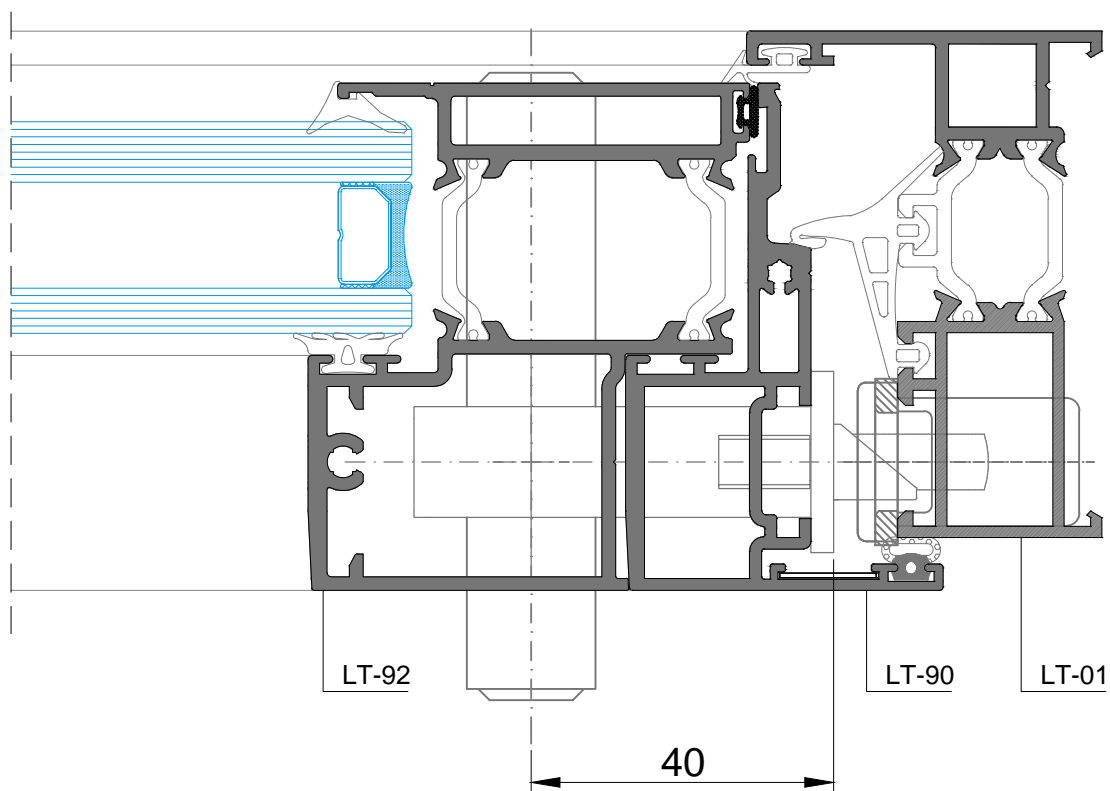
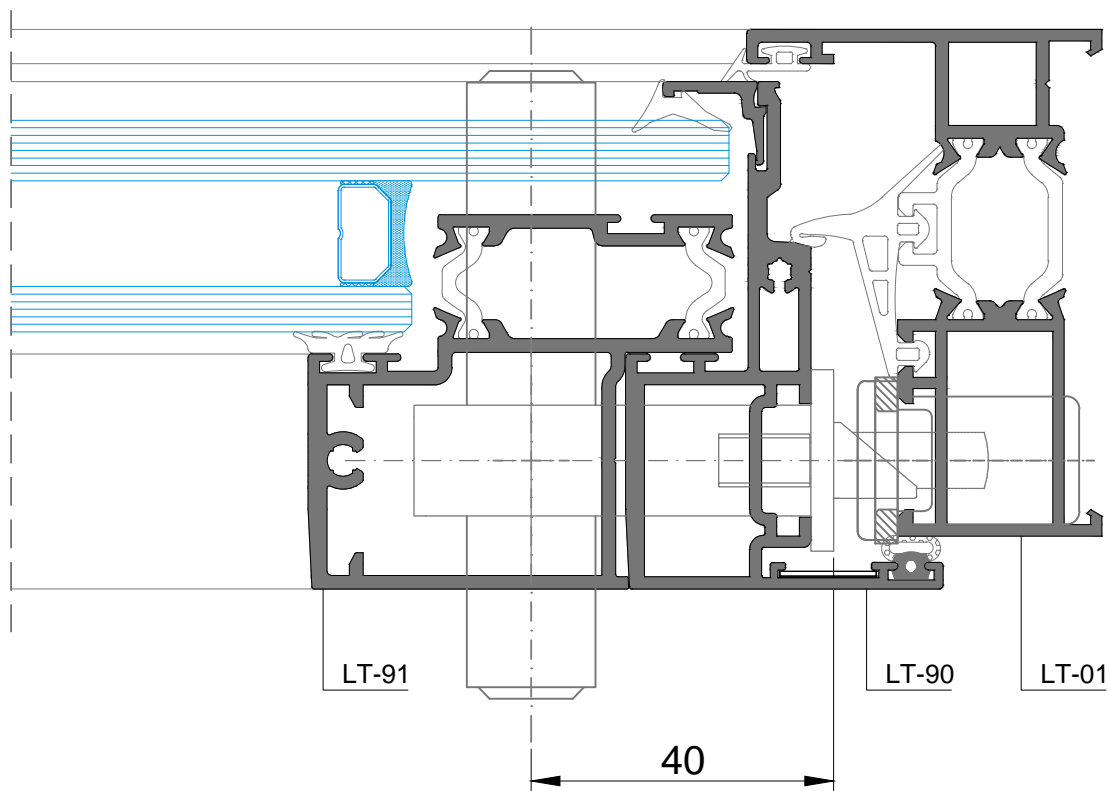


VD 2167-Especial

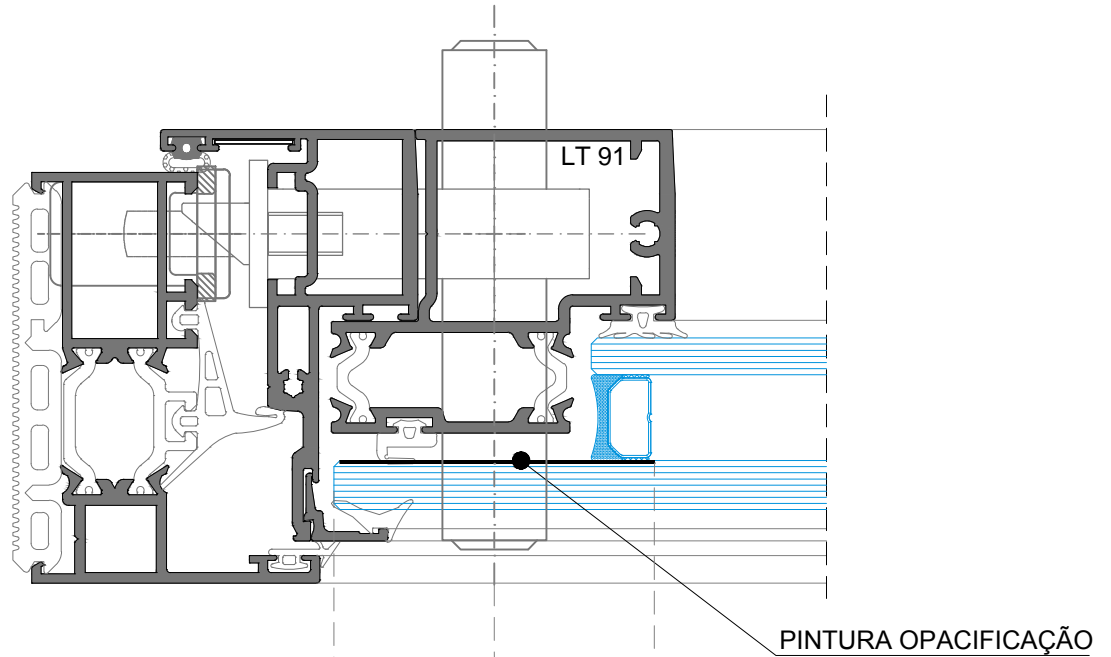


FECHADURA DE 3 PONTOS PERFORMA 40 (Pr.)

ENTRADA = 40mm



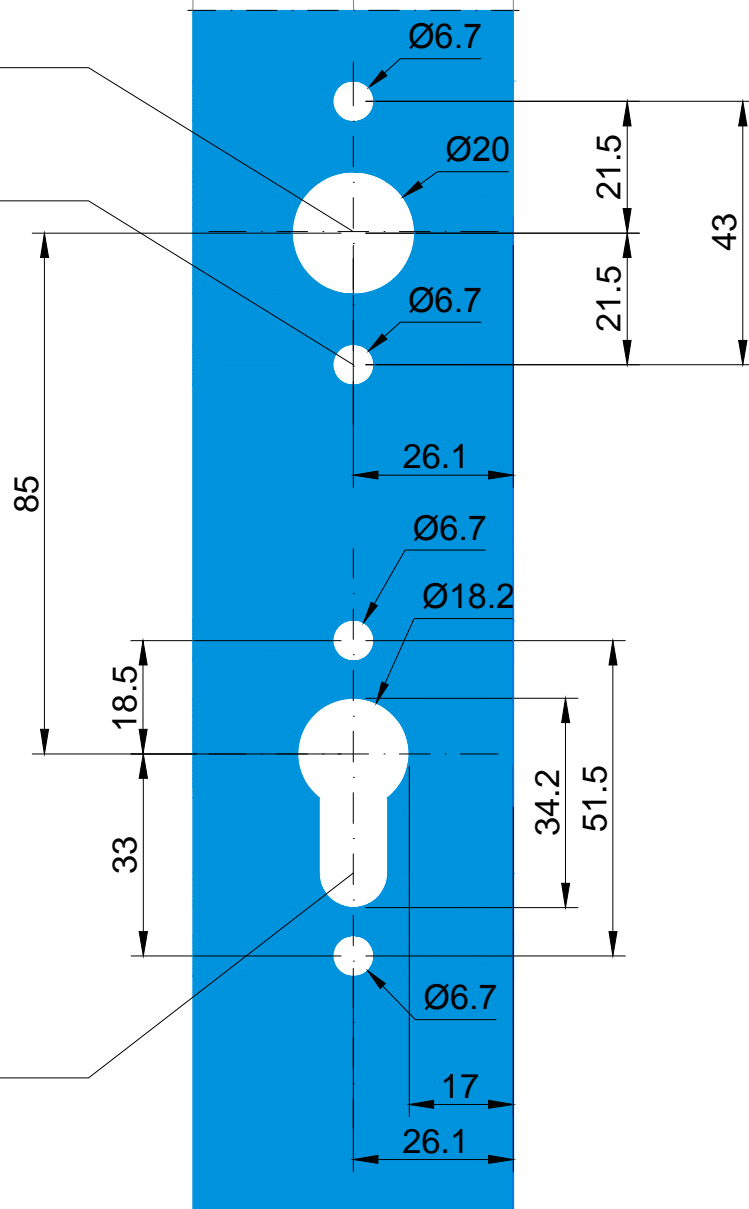
MAQUINAÇÃO DO VIDRO PARA LT-OCULTA COM PERFIL LT 91



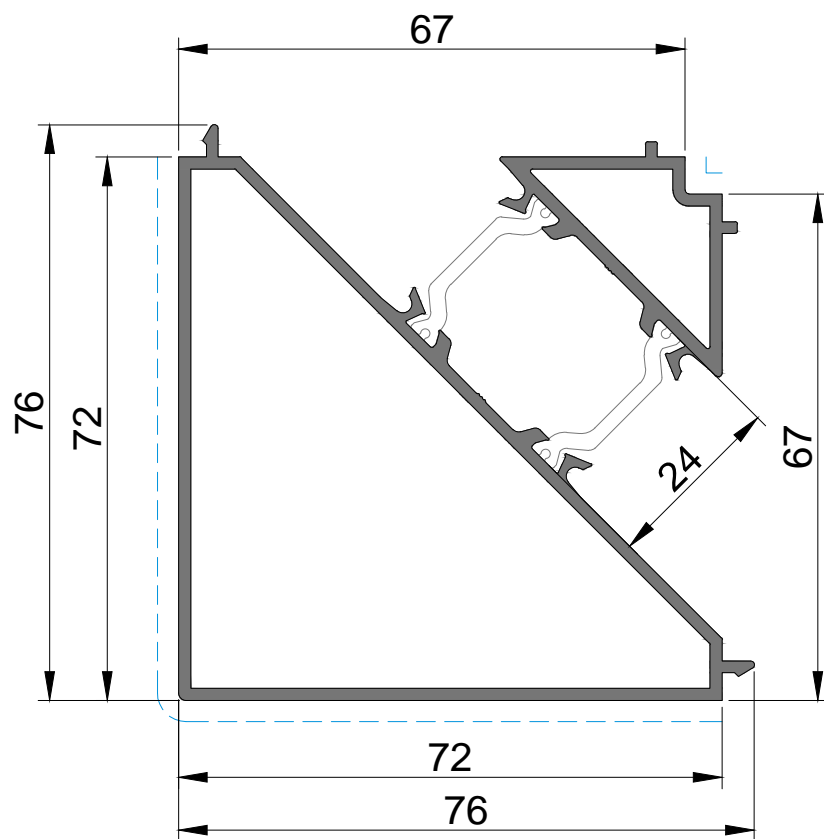
FURO PARA QUADRA DE 7mm

FURO PARA FIXAR PUXADOR
(As medidas podem variar em função do puxador pretendido)

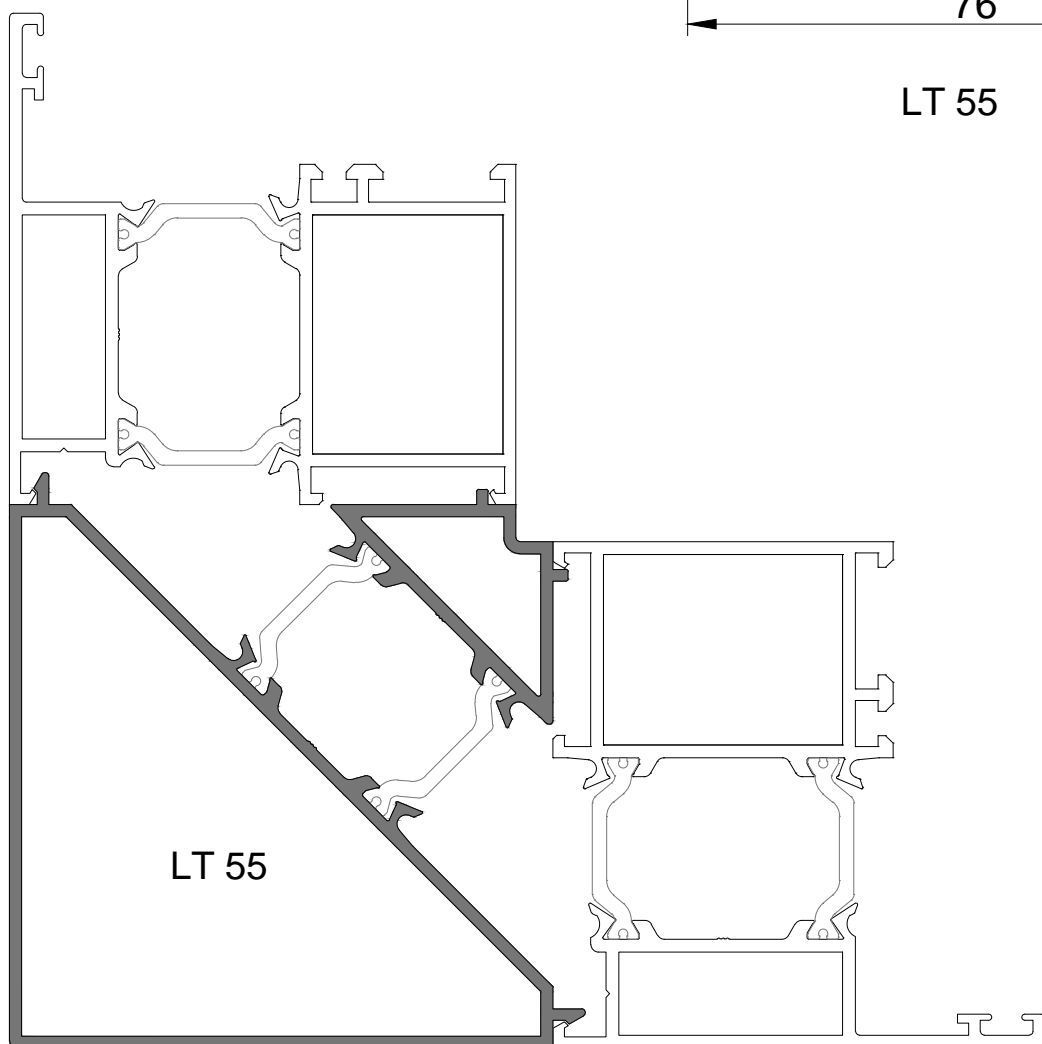
FURO PARA CANHÃO
(folga de 0,6mm em todas as faces em relação ao canhão)



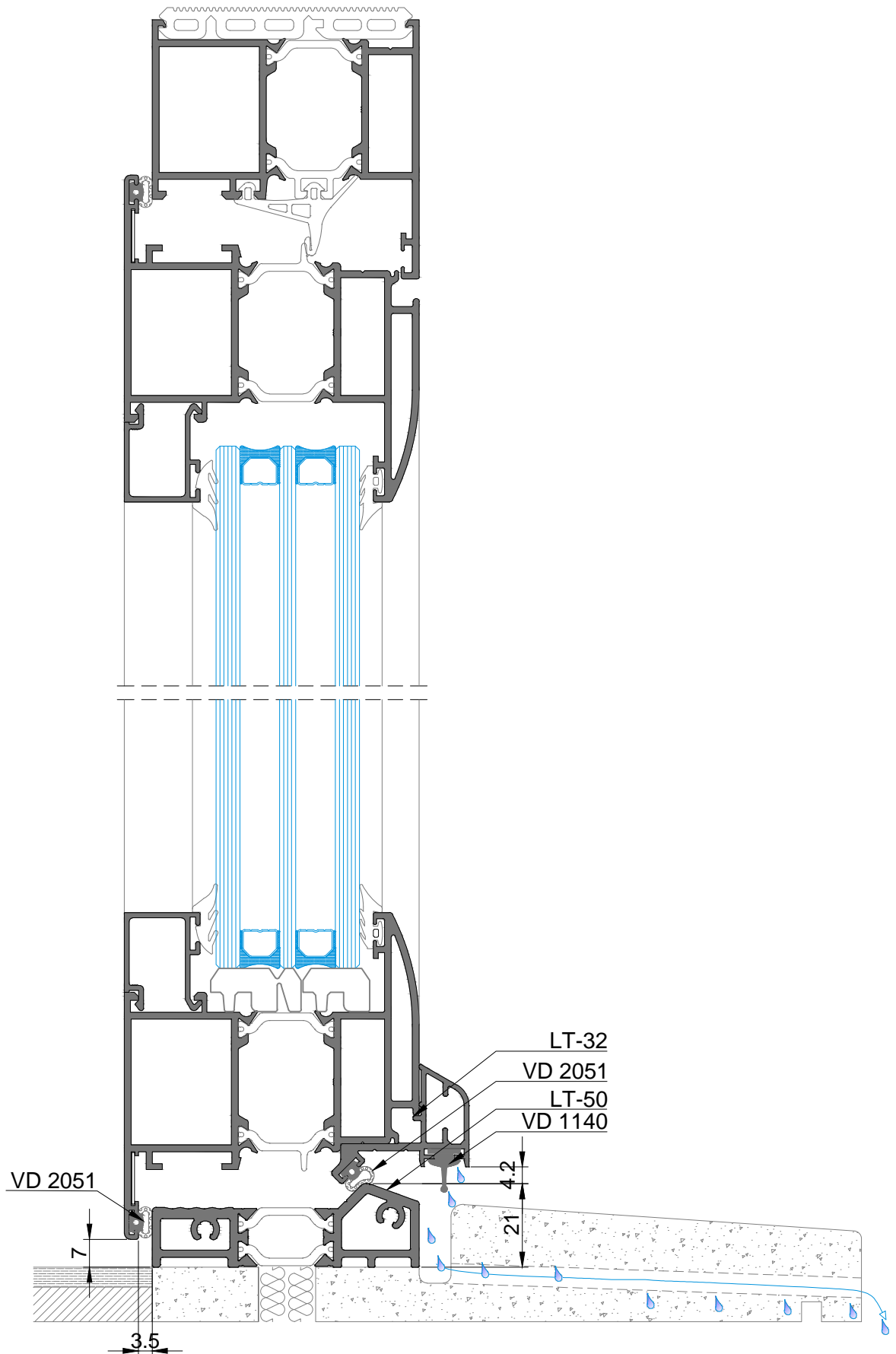
PORMENOR DE LIGAÇÃO DO PERFIL LT 55 COM AROS FIXOS



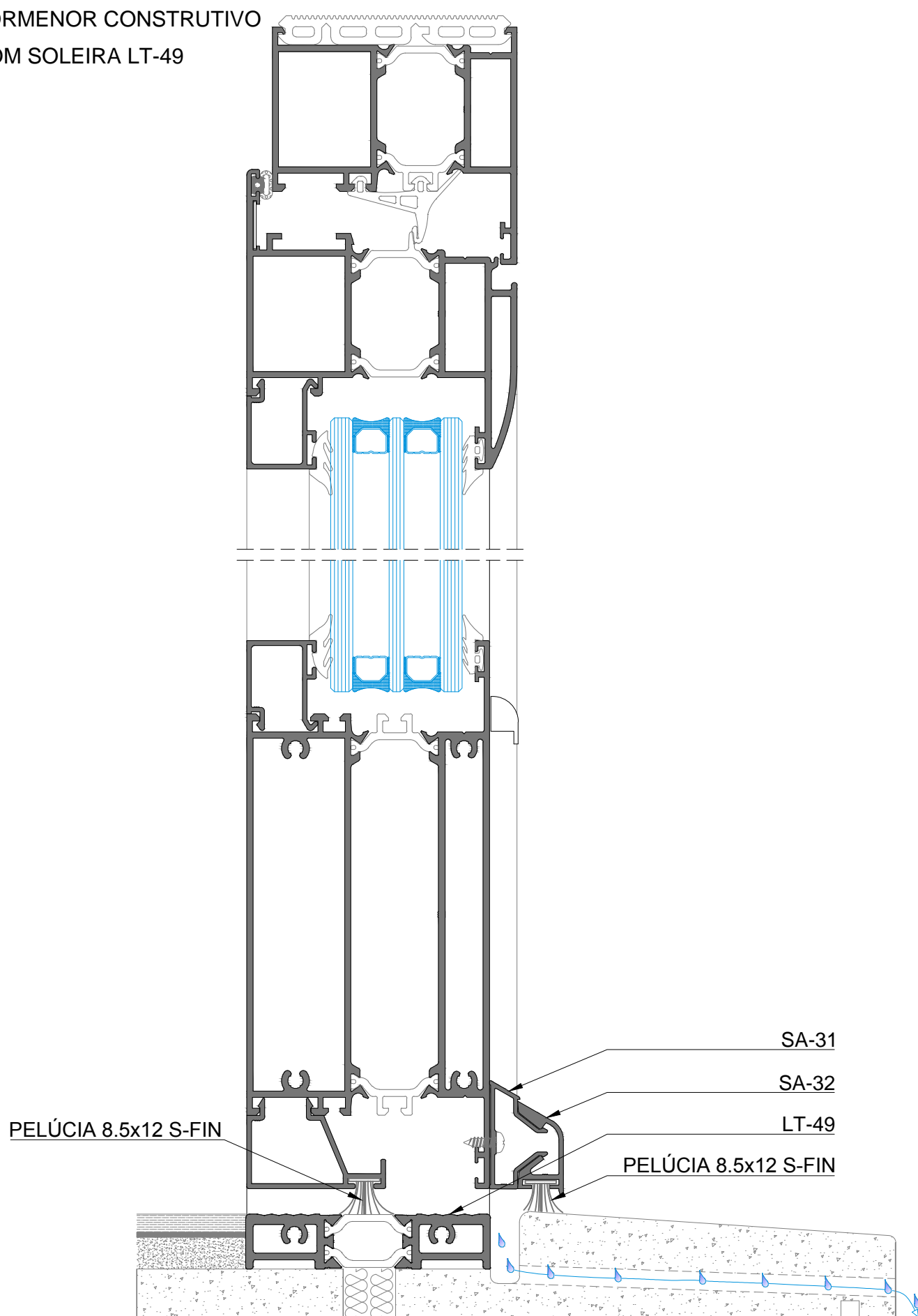
LT 55



PORMENOR CONSTRUTIVO
COM SOLEIRA LT-50 E PERFIL LT-32



PORMENOR CONSTRUTIVO
COM SOLEIRA LT-49



MANUAL DE FABRICO E MONTAGEM

MAQUINAÇÃO DOS PERFIS

Para Esquadros

Para Almofada

Aros móveis de abertura para o exterior

Aros móveis de abertura para o interior

Para União de Travessa

Para passagem de Vareta

Para Cremone

Para passagem de perfis de remate - Aros fixos *Renovatio*

Para Drenagem e Ventilação

Aros fixos

Aros móveis

Para LT-Ocultas

MONTAGEM DOS PERFIS

Montagem dos Esquadros - Aros fixos

Montagem dos Esquadros - Aros móveis

Montagem de Travessas

Montagem da Travessa LT 36 a Aro fixo

Travessas na vertical

Travessas na horizontal

Montagem de Aro móvel ao perfil central LT 06

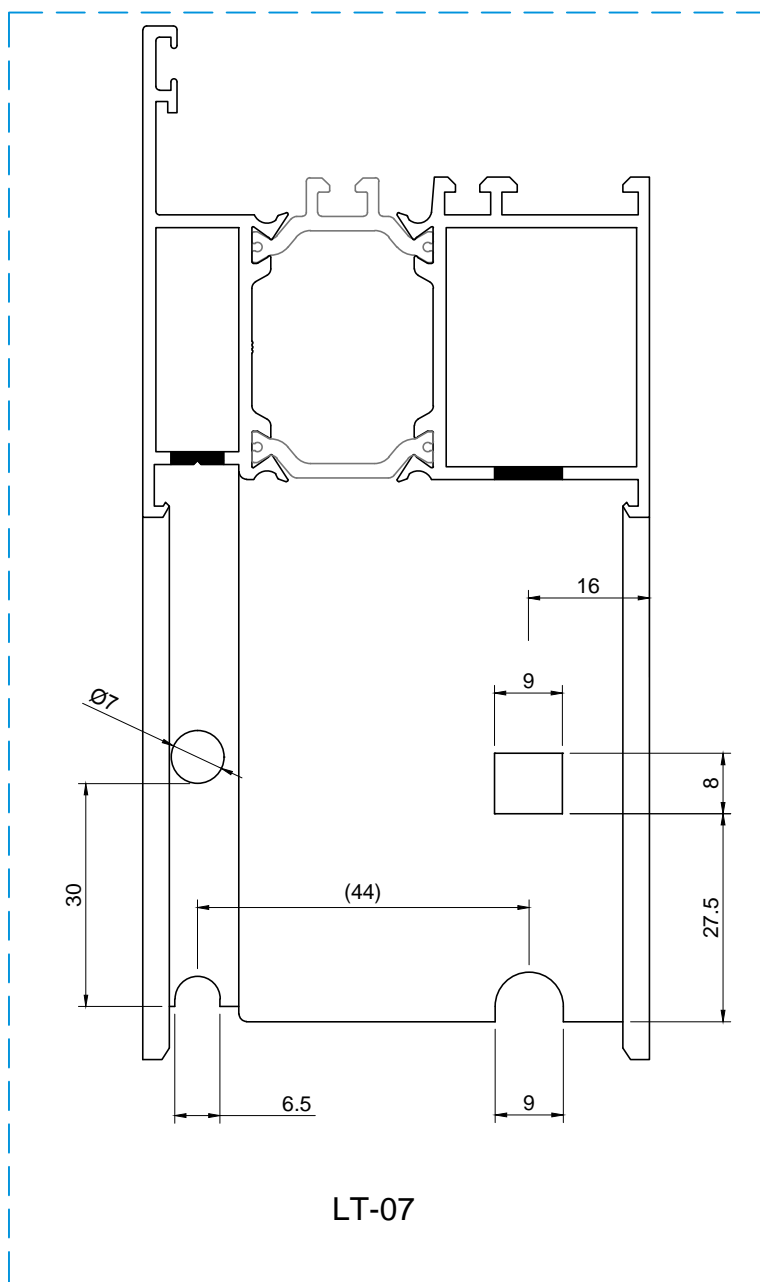
Montagem da Travessa LT 36 a Aro móvel

COLOCAÇÃO DOS VIDROS NO CAIXILHO

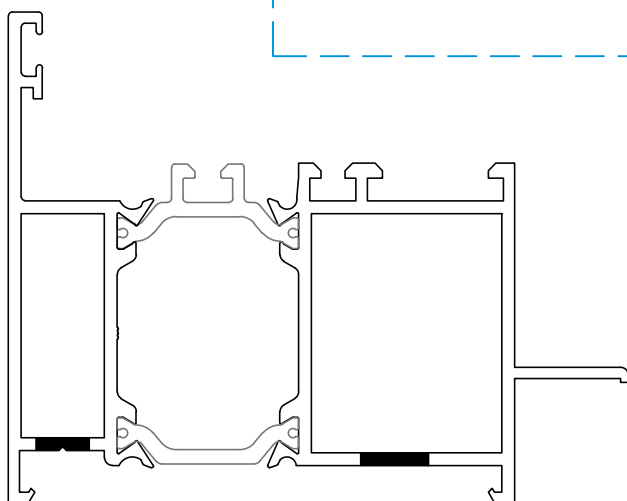
FIXAÇÃO DOS CAIXILHOS EM OBRA

MAQUINAÇÃO DOS PERFIS - Aros Fixos

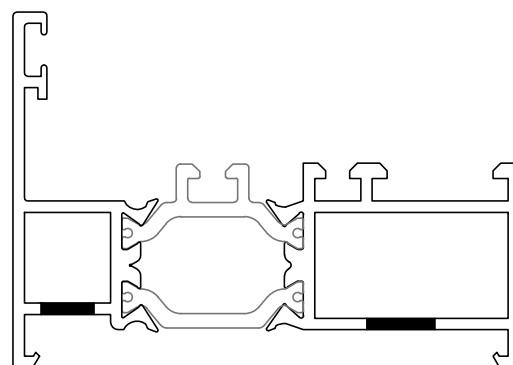
- PARA ESQUADROS



LT-07



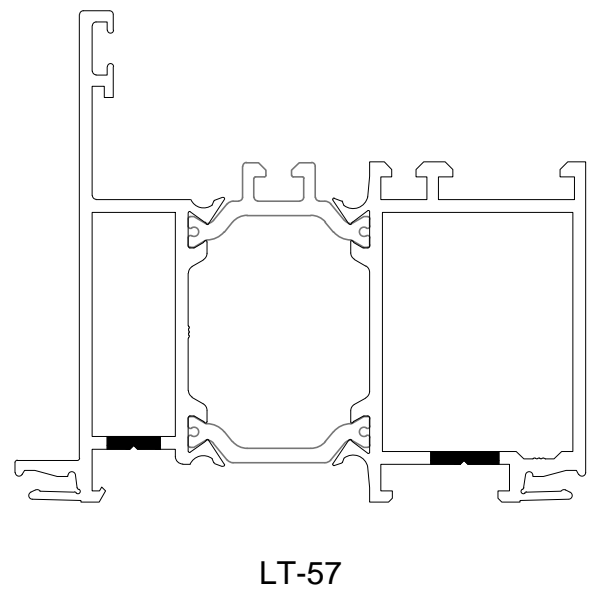
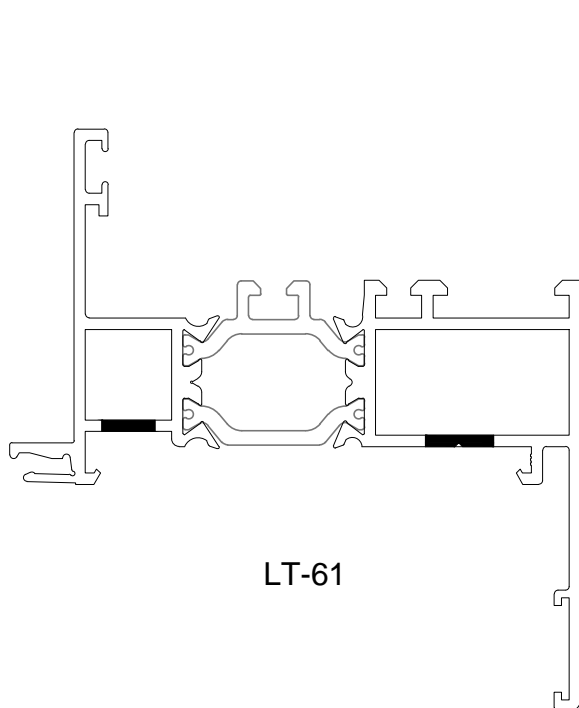
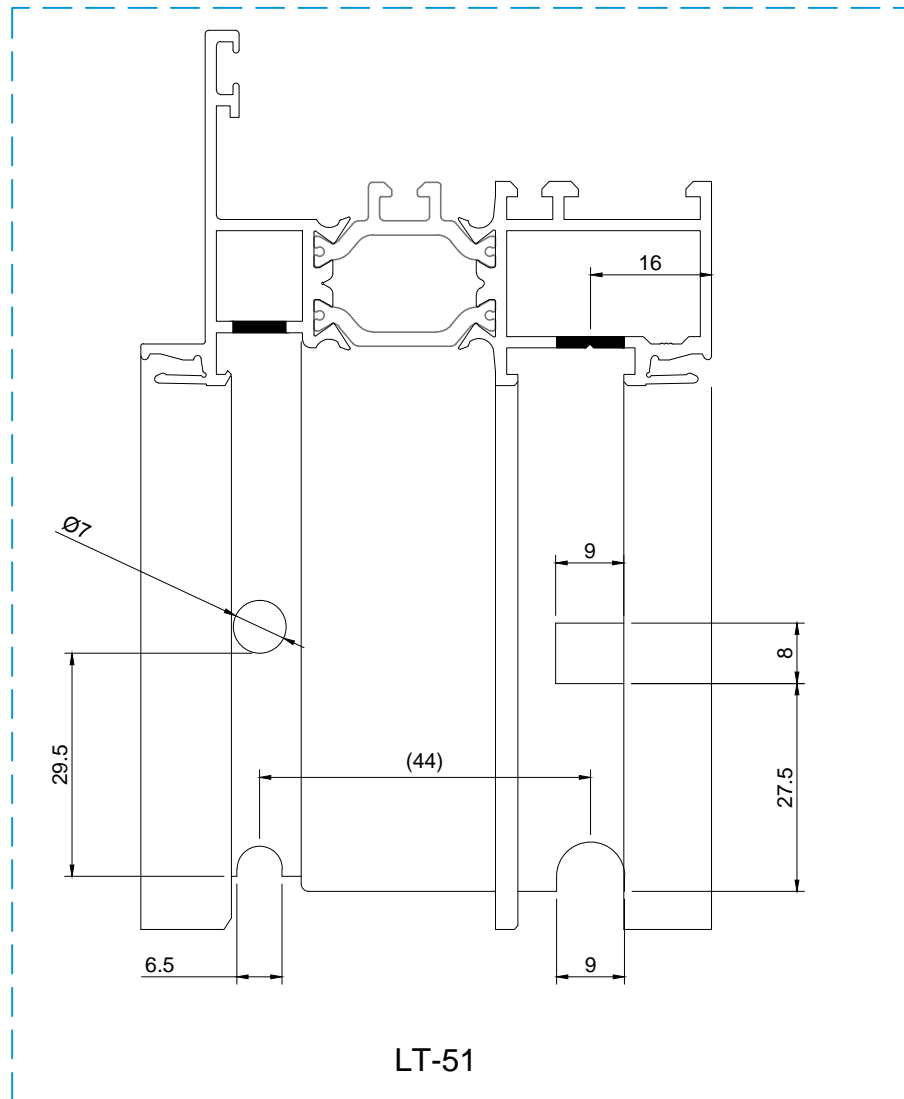
LT-42



LT-01

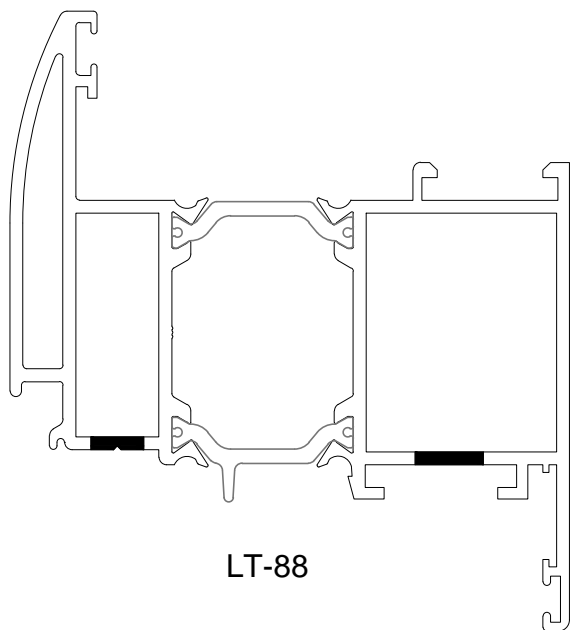
MAQUINAÇÃO DOS PERFIS - Aros Fixos RENOVIATIO

- PARA ESQUADROS

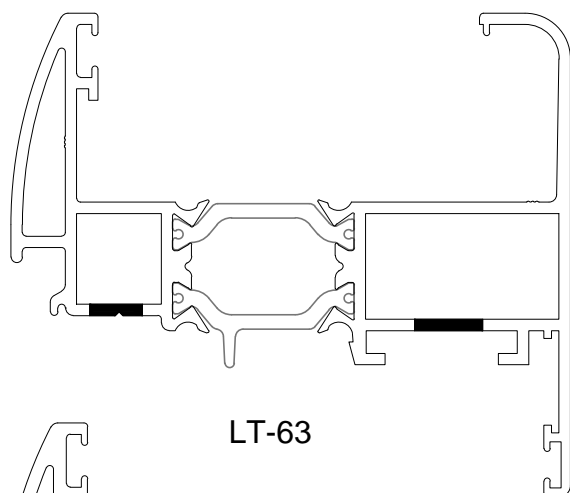


MAQUINAÇÃO DOS PERFIS - Aros Móveis

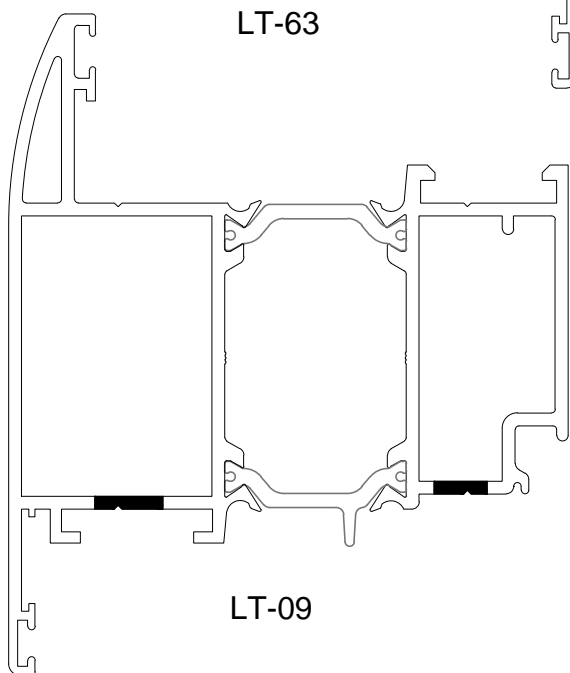
- PARA ESQUADROS



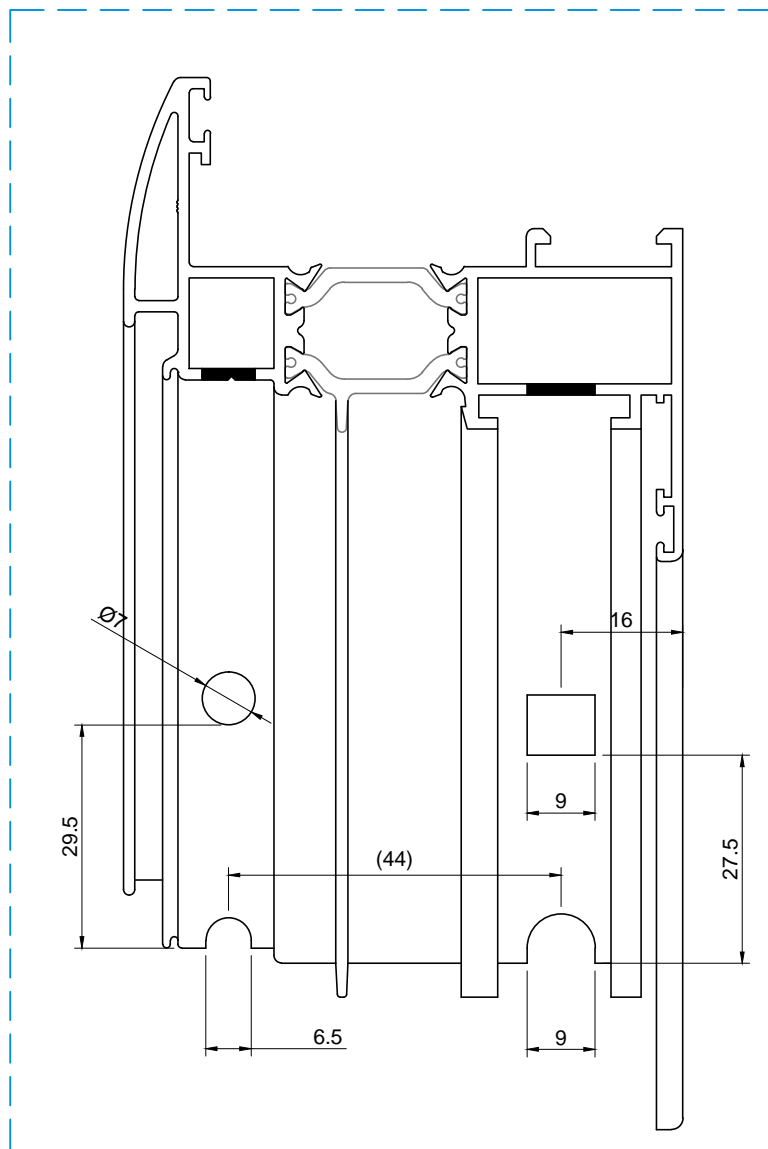
LT-88



LT-63

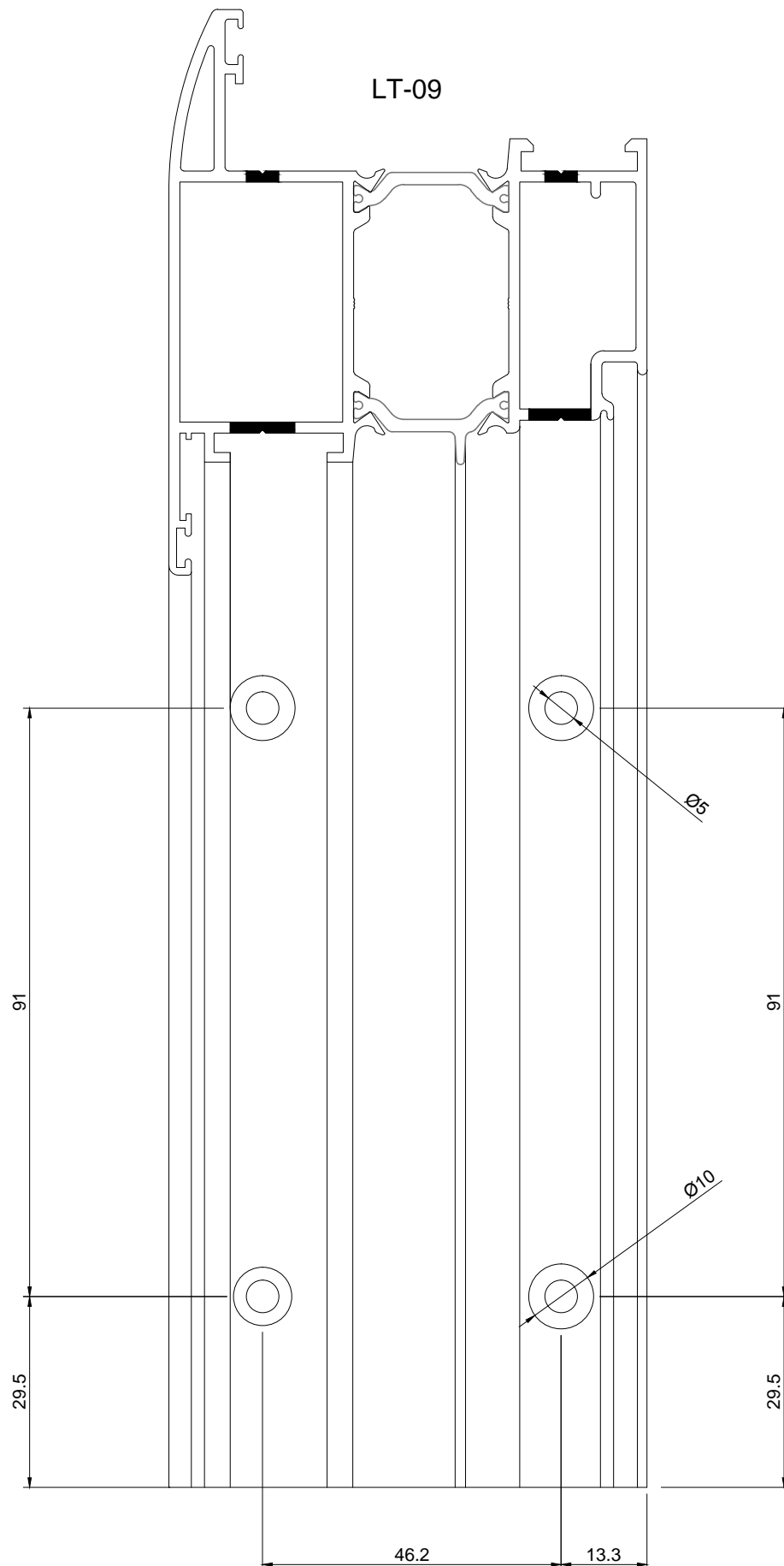


LT-09



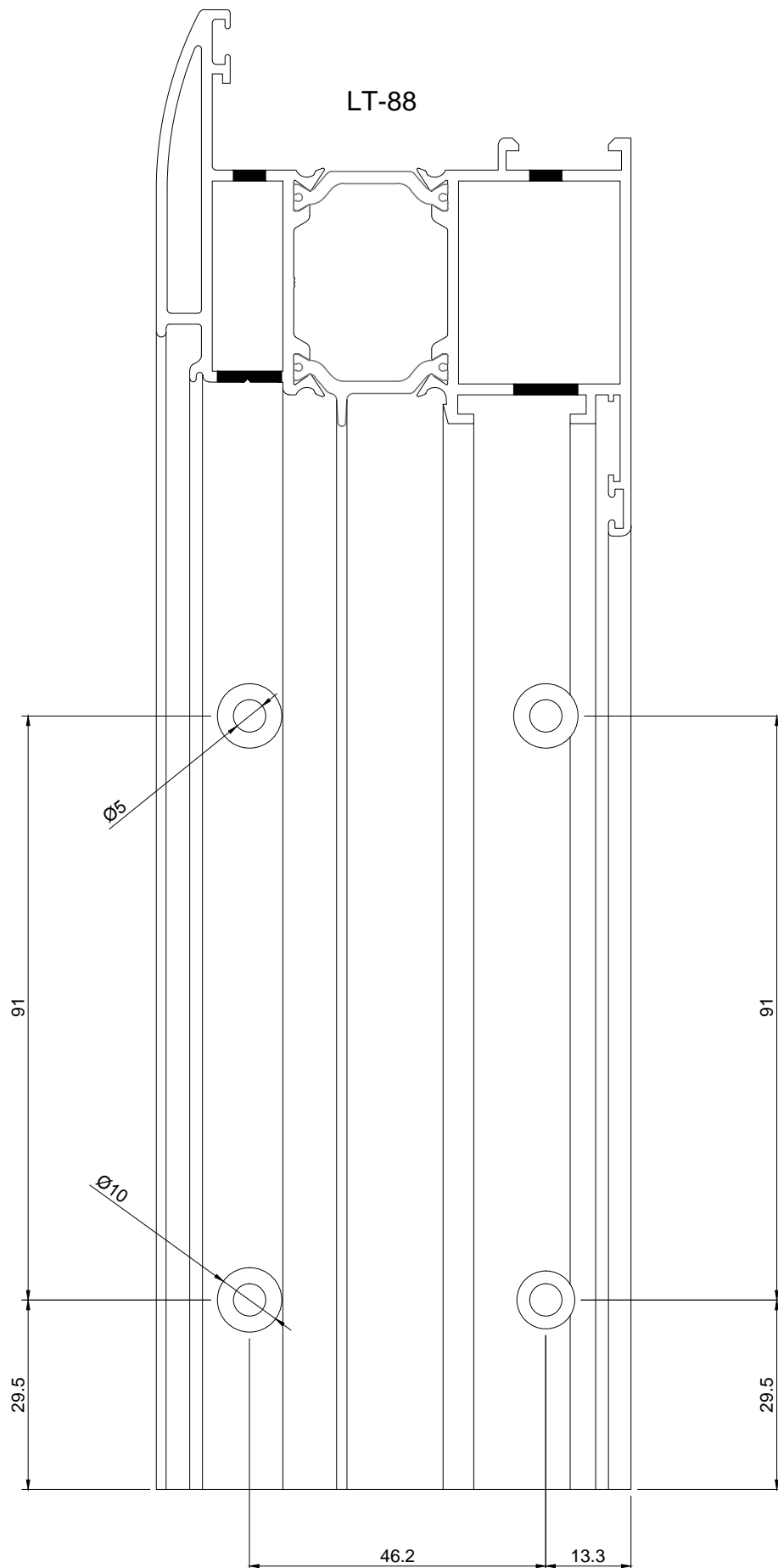
MAQUINAÇÃO DOS PERFIS - Aros Móveis de abertura para o exterior

- PARA ALMOFADA



MAQUINAÇÃO DOS PERFIS - Aros Móveis de abertura para o interior

- PARA ALMOFADA

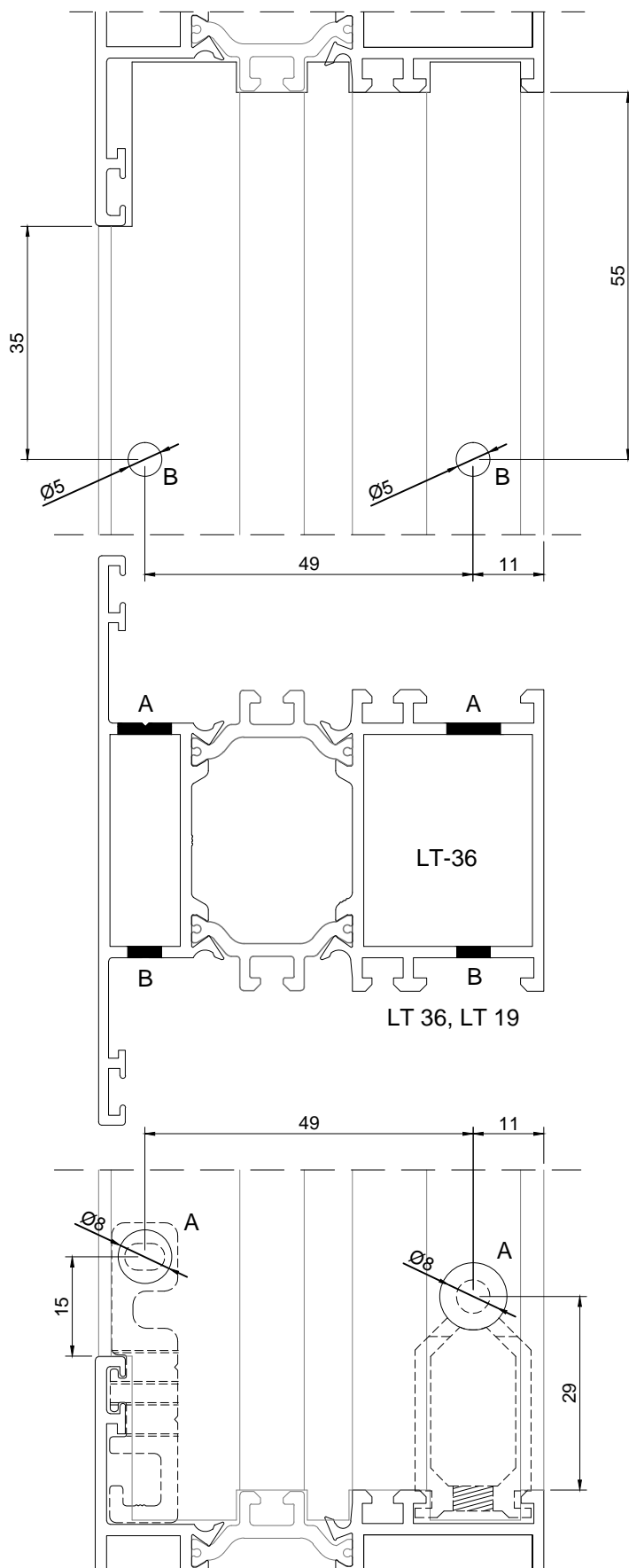
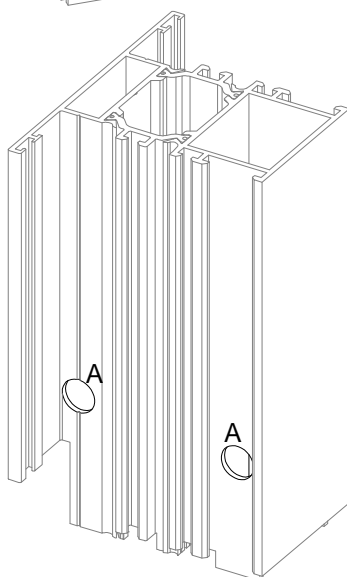
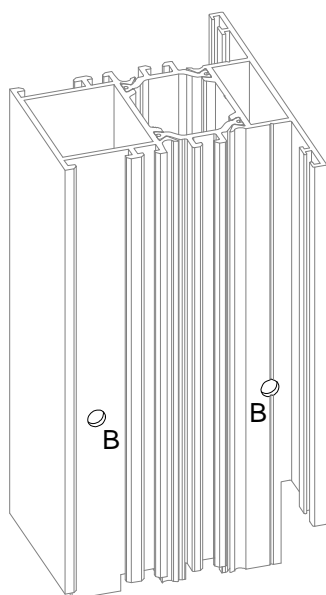
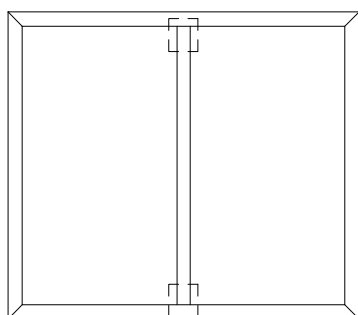


MAQUINAÇÃO DOS PERFIS - Travessas

(A) PARA UNIÕES DE TRAVESSA

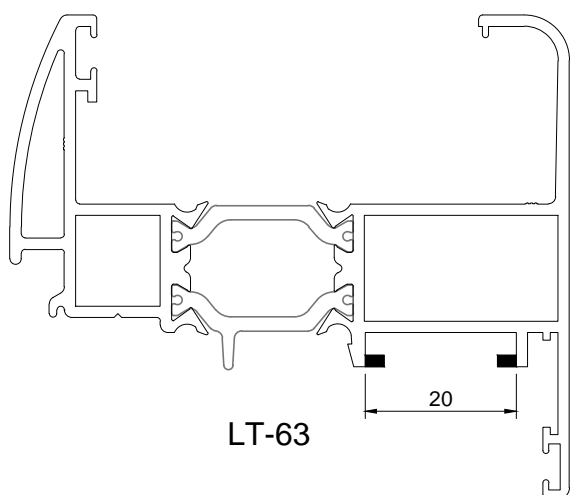
(B) FUROS PARA ENCHIMENTO COM SILICONE NEUTRO

 Zonas a efetuar as operações

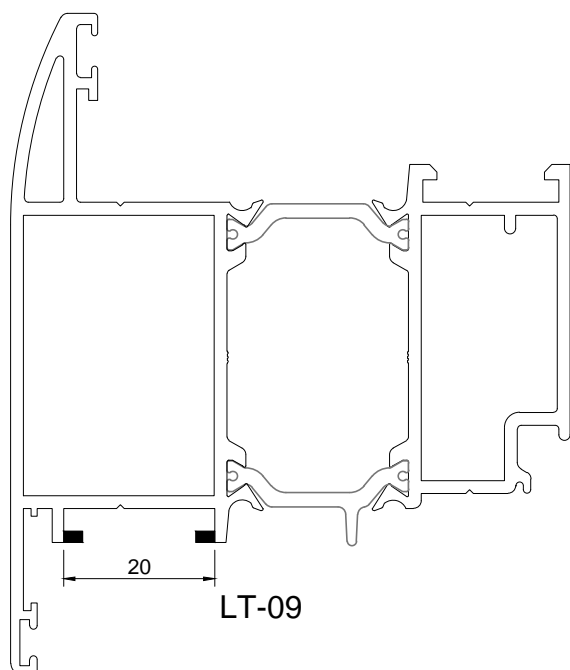
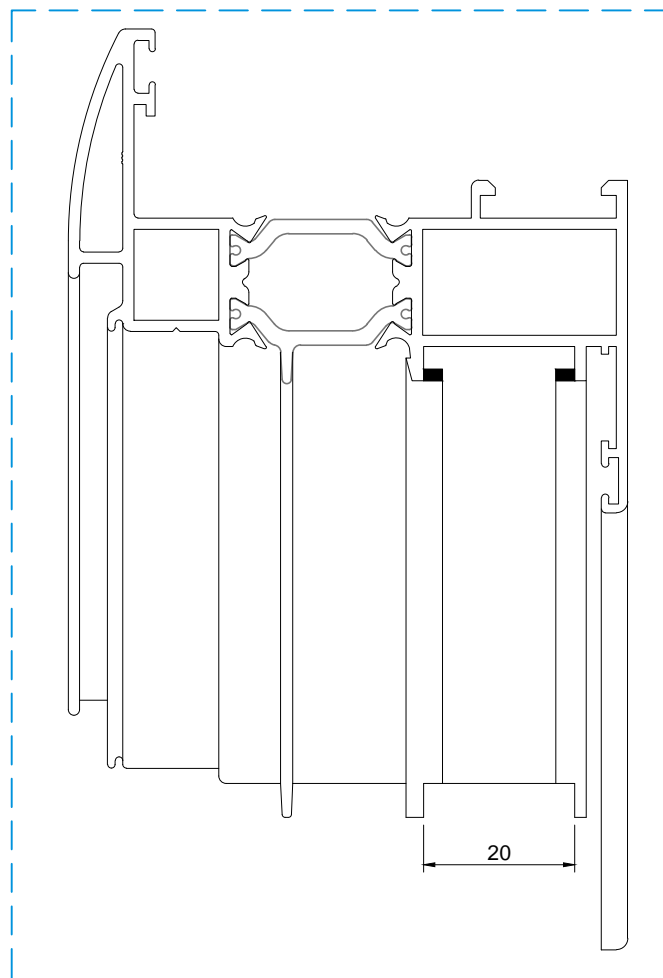


MAQUINAÇÃO DOS PERFIS - Aros Móveis

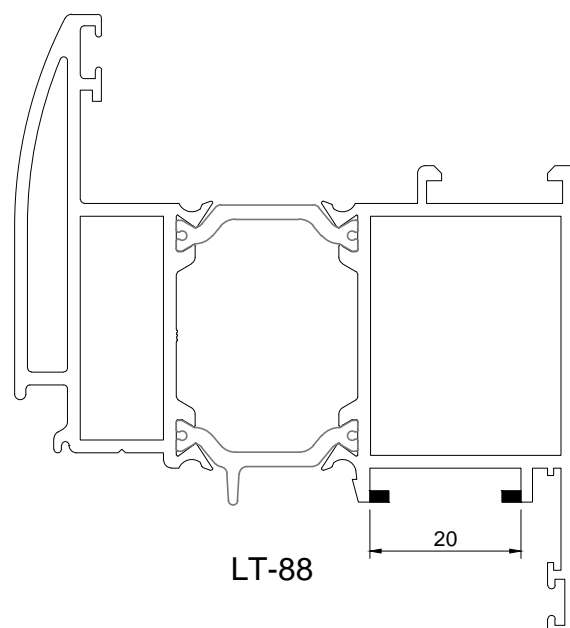
- PARA PASSAGEM VARETA



LT-63



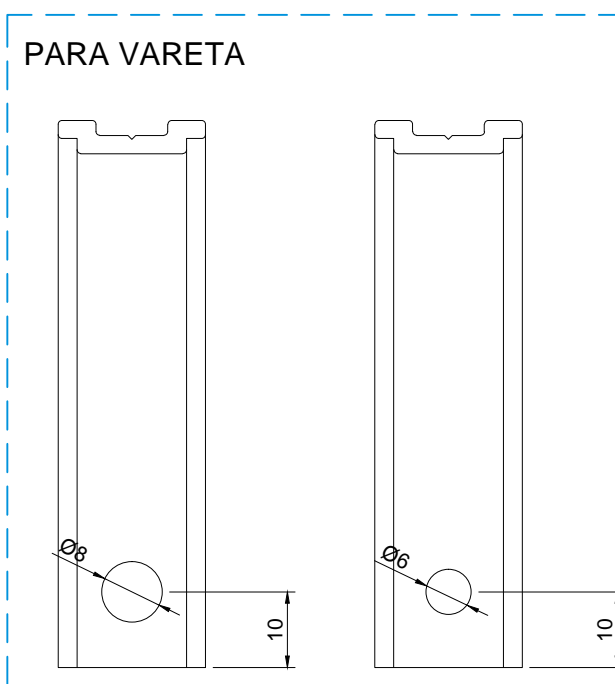
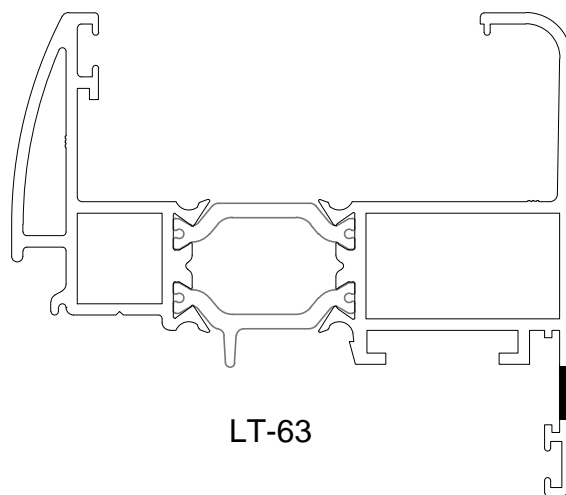
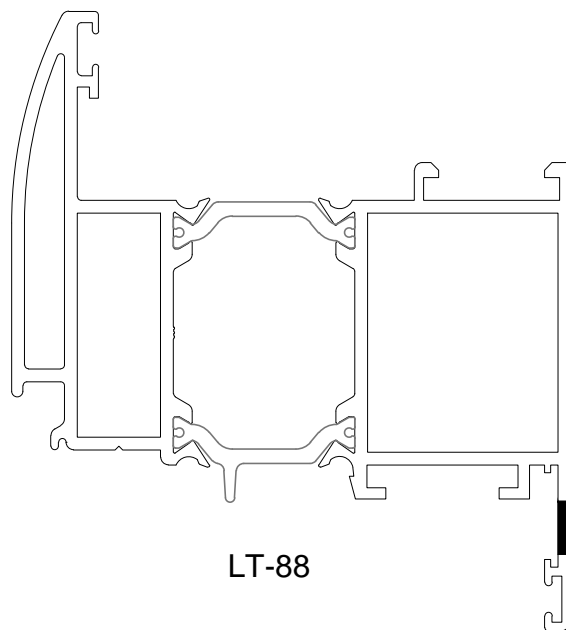
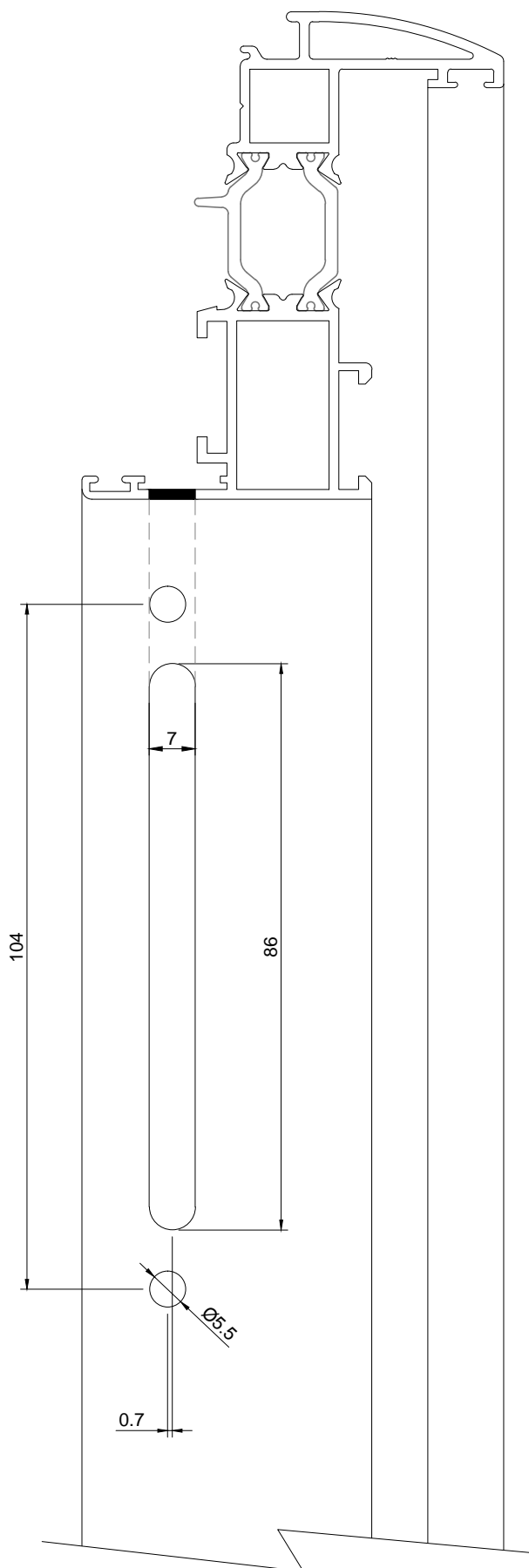
LT-09



LT-88

MAQUINAÇÃO DOS PERFIS - Aros Móveis

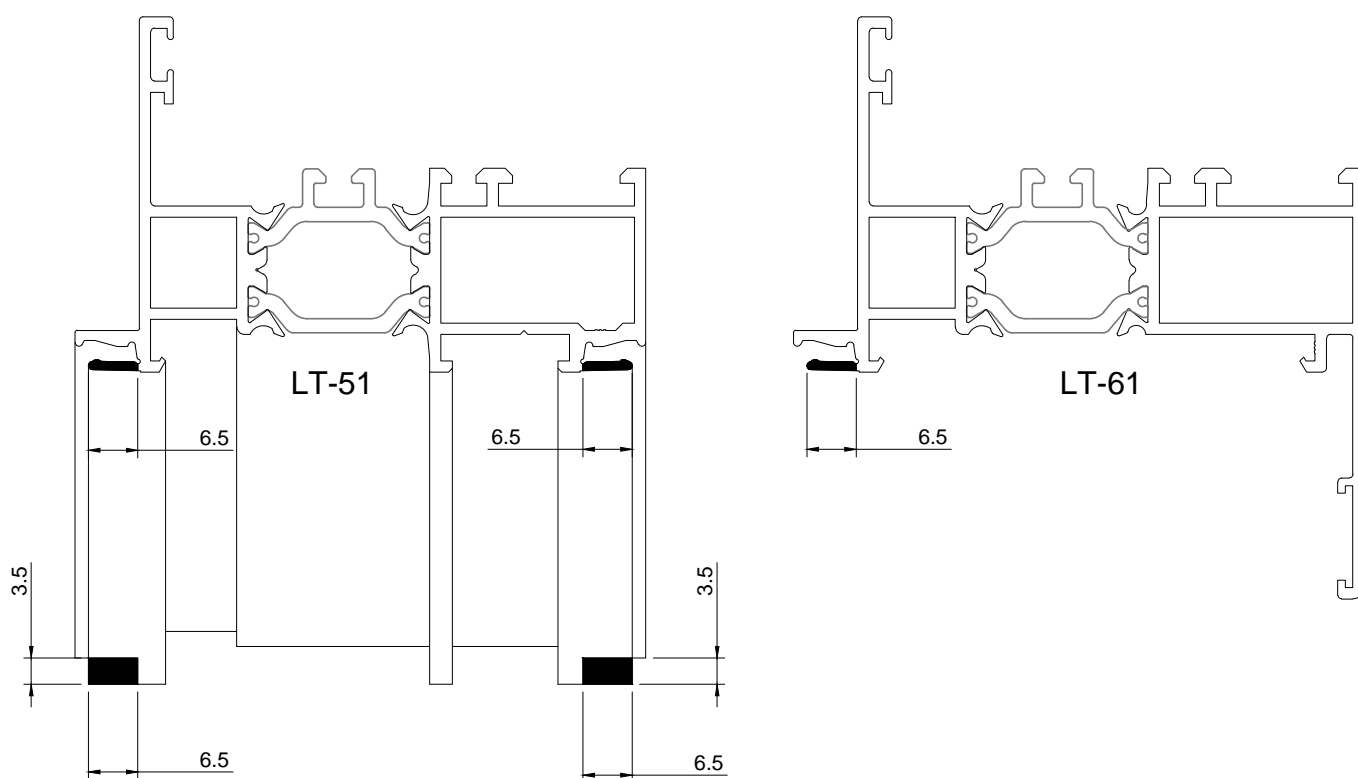
- PARA CREMONE



MAQUINAÇÃO DOS PERFIS - Aros Fixos RENOVIATIO

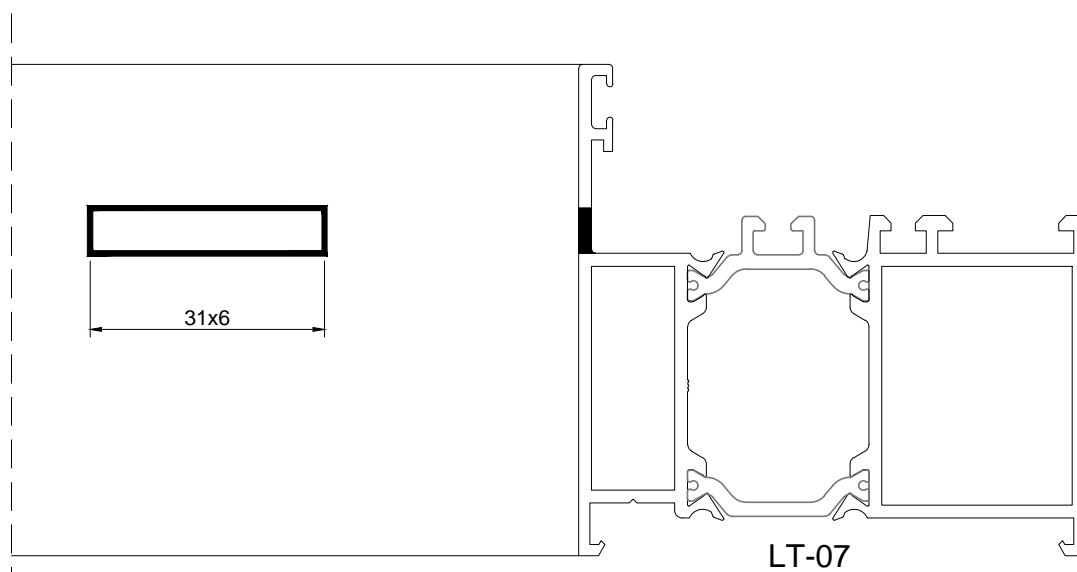
- PARA PASSAGEM DOS PERFIS DE REMATE

PARA ENTALHAR NA PONTA DAS ESQUADRIAS

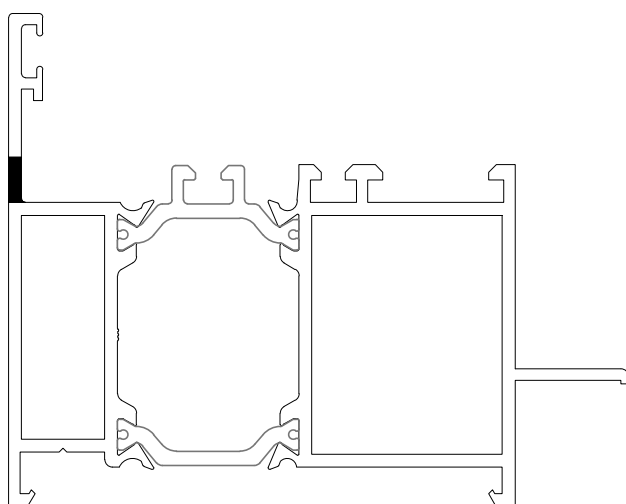


MAQUINAÇÃO DOS PERFIS - Aros Fixos | Travessas

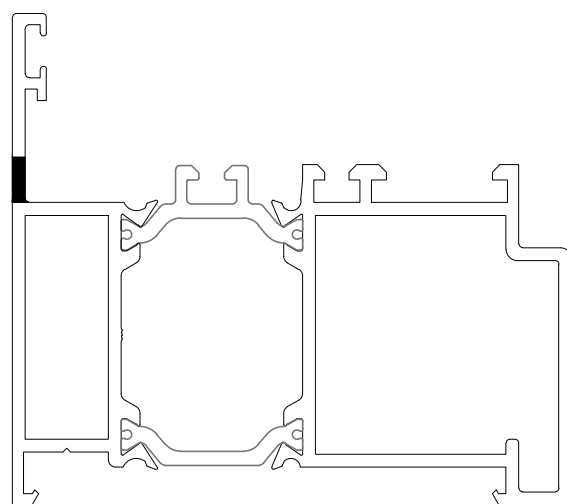
- PARA DRENAGEM (GOTEIRAS)



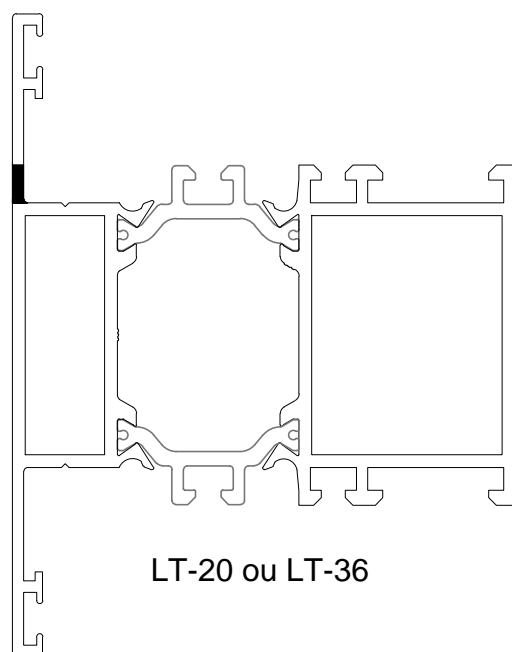
LT-07



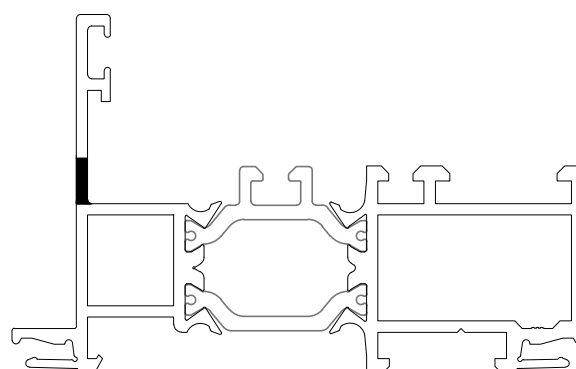
LT-42



LT-68



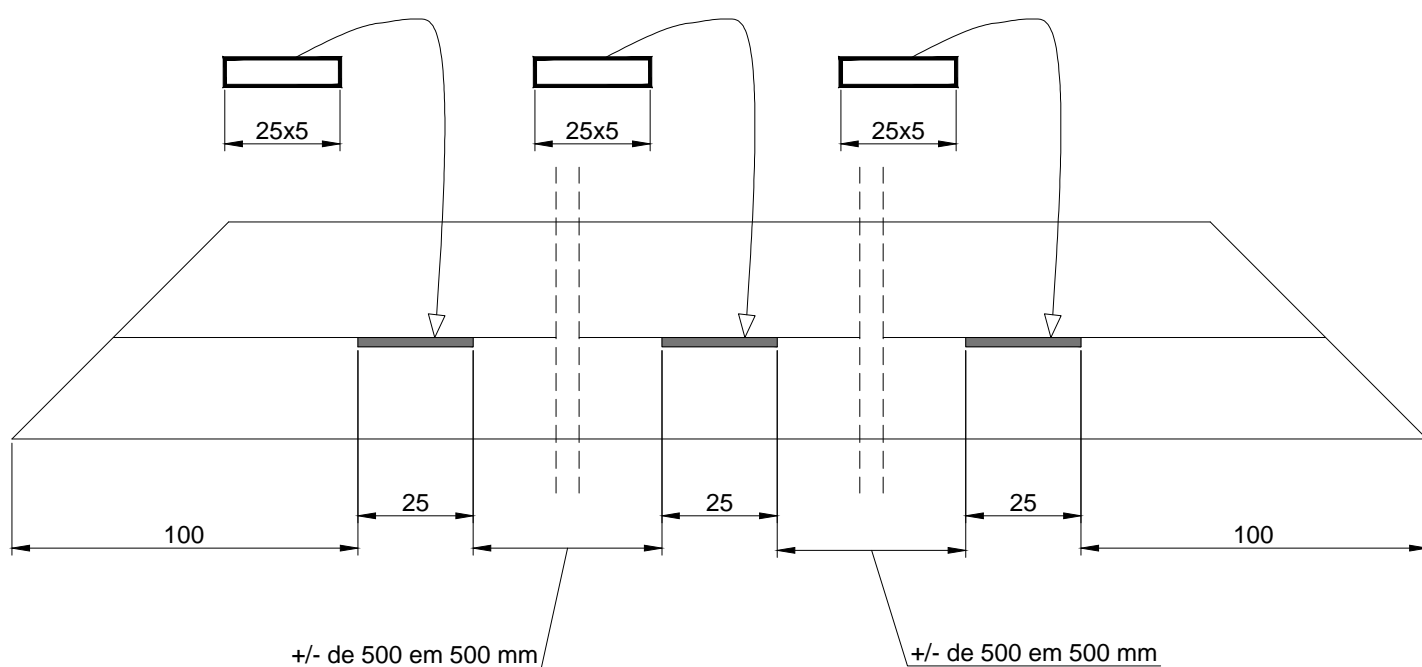
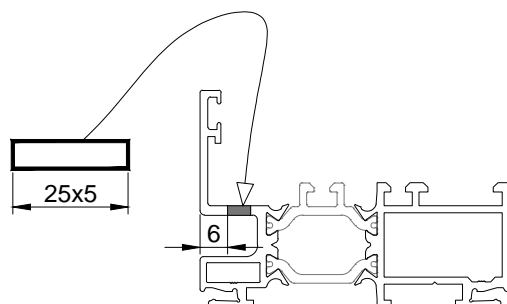
LT-20 ou LT-36



LT-51 ou LT-61

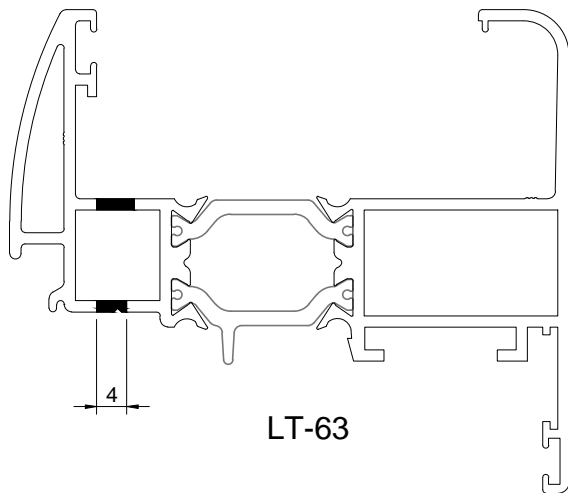
MAQUINAÇÃO DOS PERFIS - Aro Fixo LT 71

- PARA DRENAGEM (GOTEIRAS)

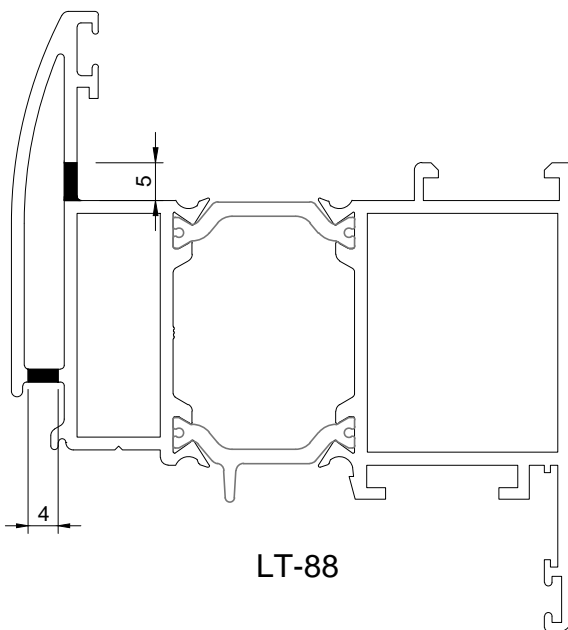


MAQUINAÇÃO DOS PERFIS - Aros Móveis

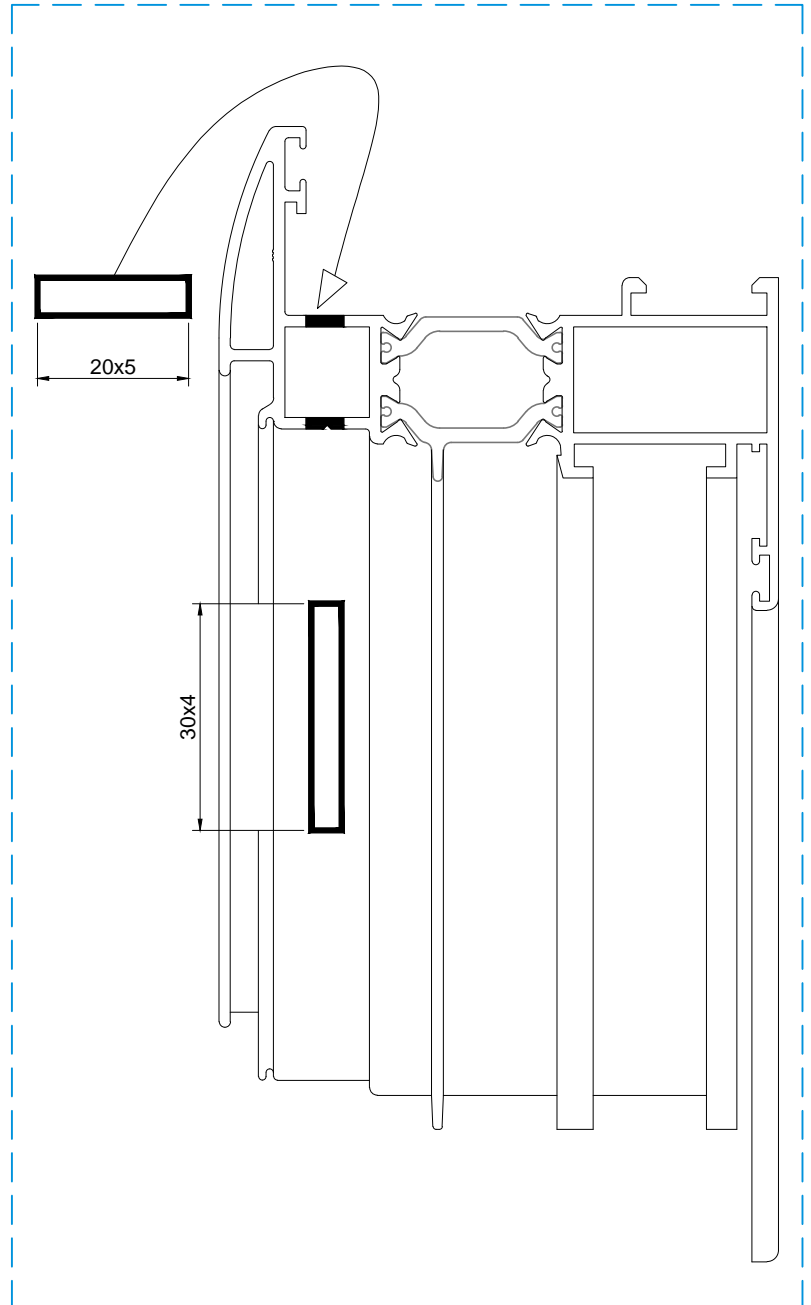
- PARA DRENAGEM E VENTILAÇÃO



LT-63



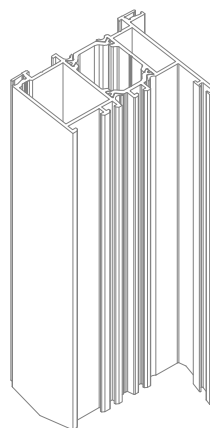
LT-88



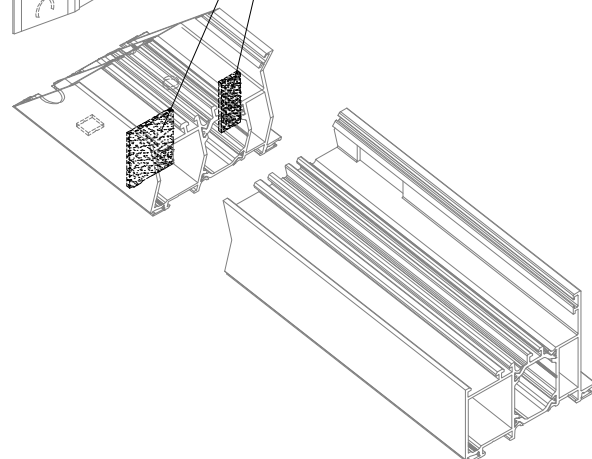
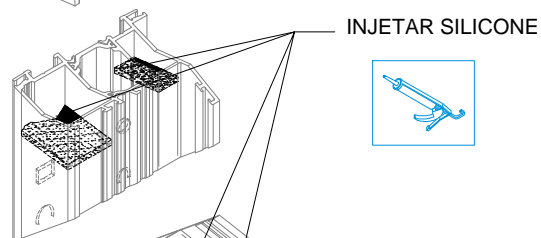
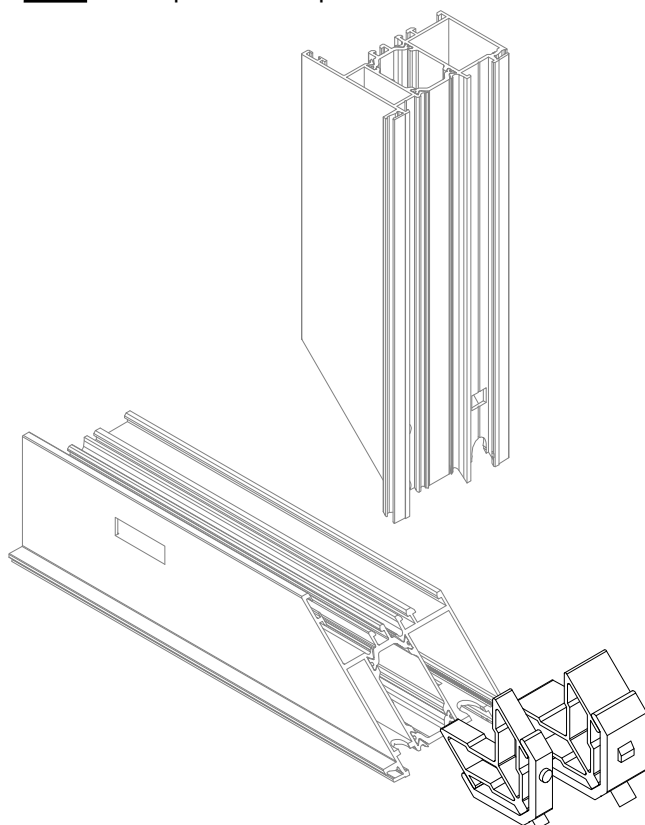
MONTAGEM DOS PERFIS

Montagem dos Esquadros - Aros fixos

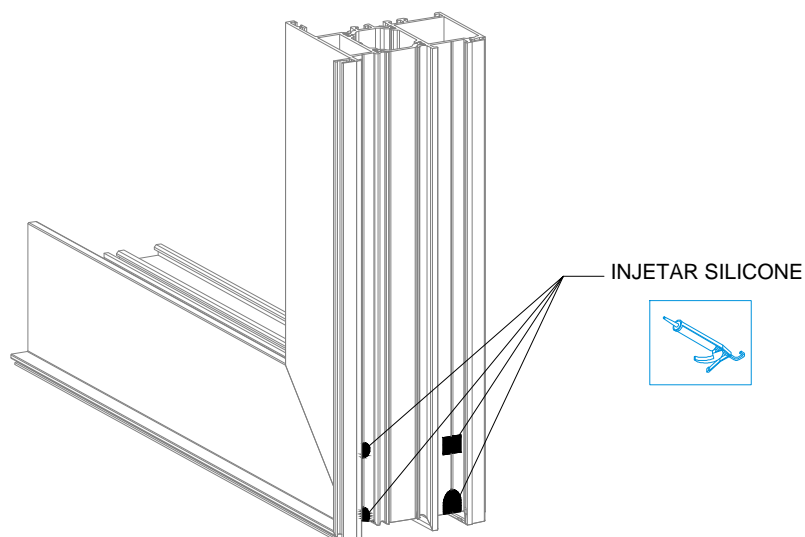
1 Antes de colocar os esquadros de aperto, siliconar o interior das caixas, após os rasgos de fixação dos esquadros.



2 Aplicação dos esquadros de aperto.

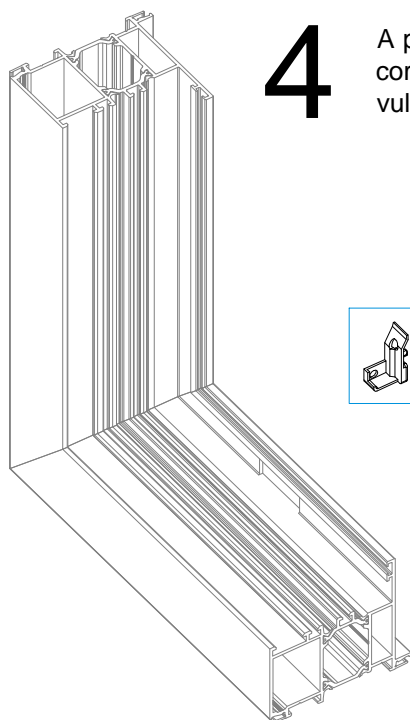


3 Após o fecho das esquadrias, colocar pontos de silicone neutro nos rasgos de aperto dos esquadros.



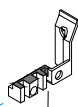
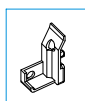
MONTAGEM DOS PERFIS

Montagem dos Esquadros - Aros fixos



4

A peça de ângulo de remate deverá ser cortada para evitar fricção com o canto vulcanizado.

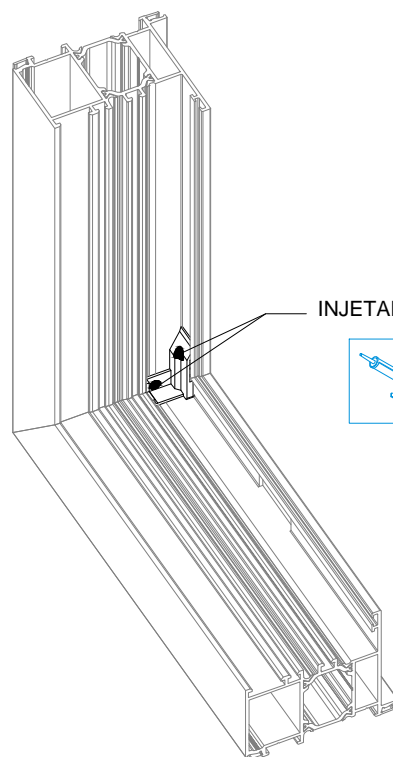


CORTAR
POR AQUI

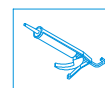


5

Injetar silicone nos orifícios para garantir uma boa estanquicidade.

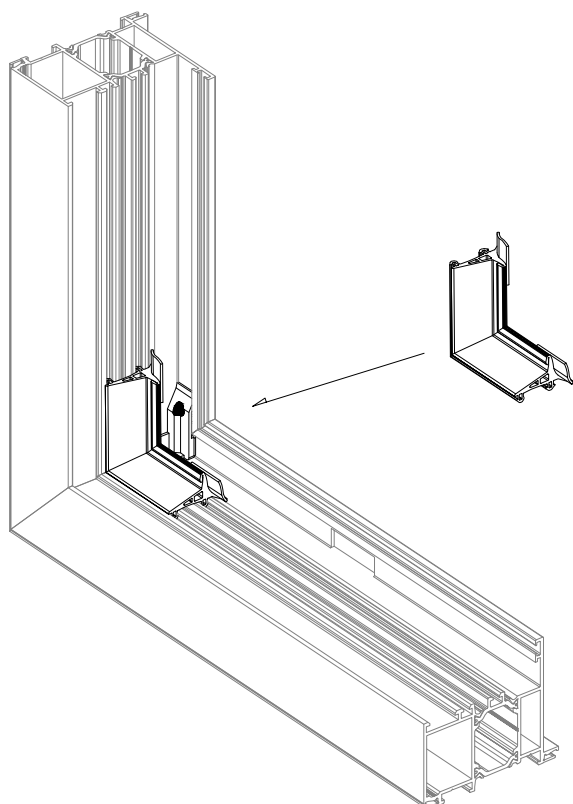


INJETAR SILICONE



6

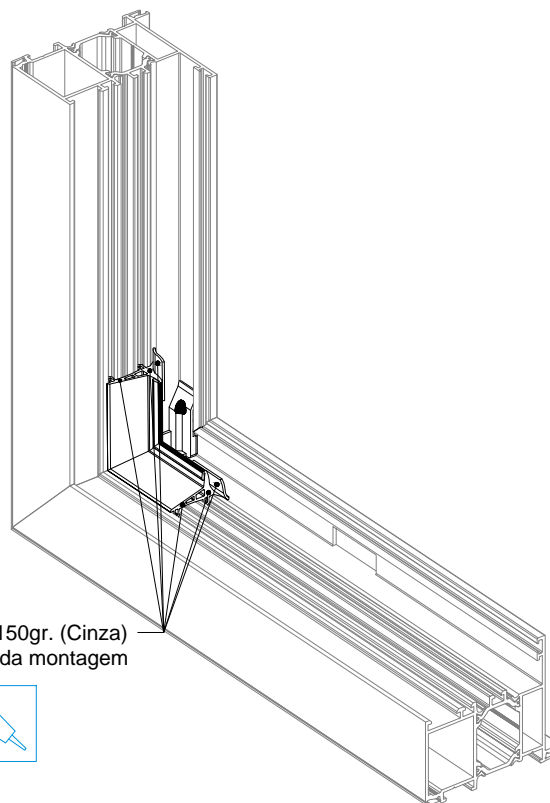
Aplicar o canto vulcanizado.



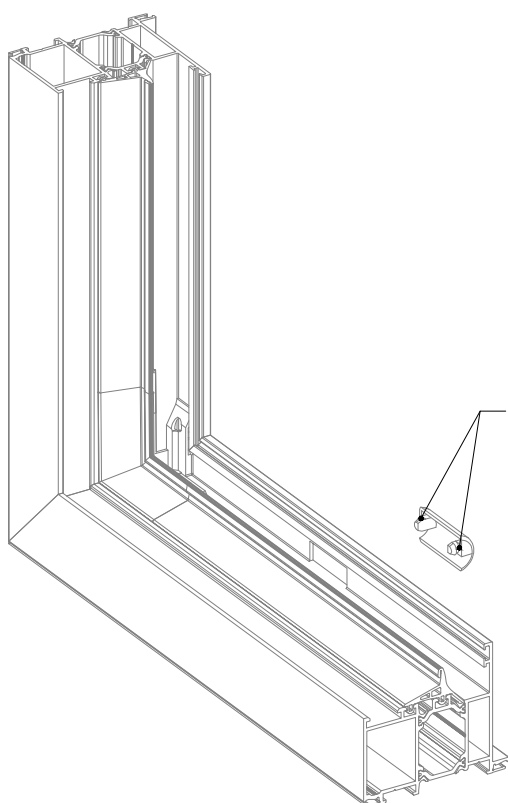
MONTAGEM DOS PERFIS

Montagem dos Esquadros - Aros fixos

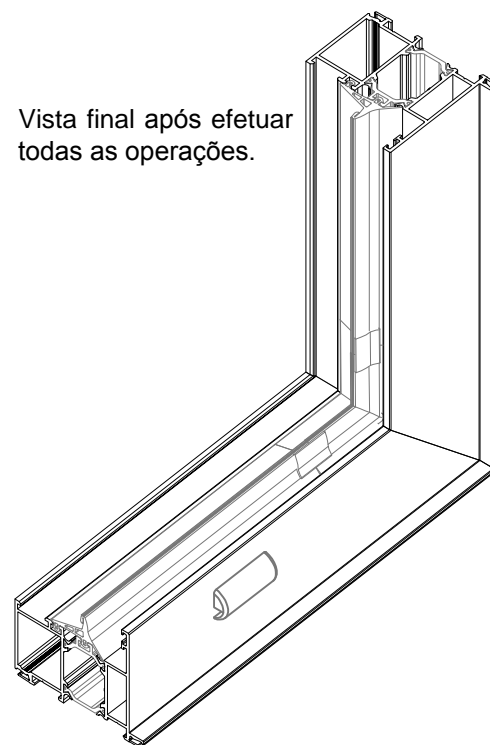
- 7** Colocação de pontos de cola para colagem posterior do vedante central.



- 8** Após aplicação da Junta central, aplicar 2 pontos de cola na goteira.



- 9** Vista final após efetuar todas as operações.

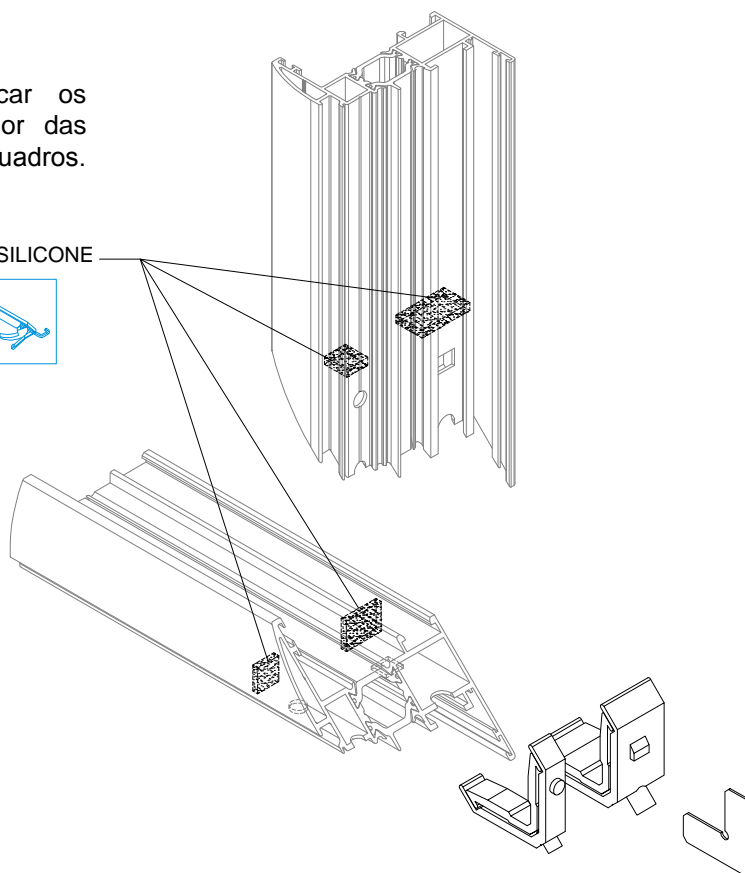
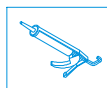


MONTAGEM DOS PERFIS

Montagem dos Esquadros - Aros móveis

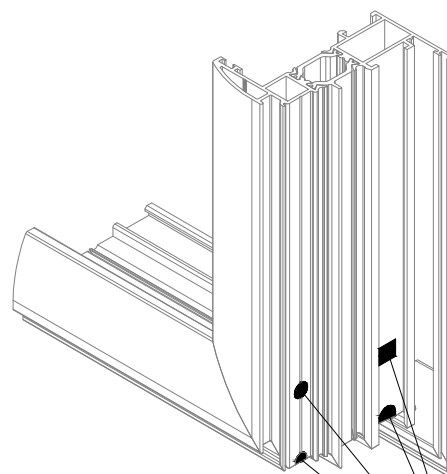
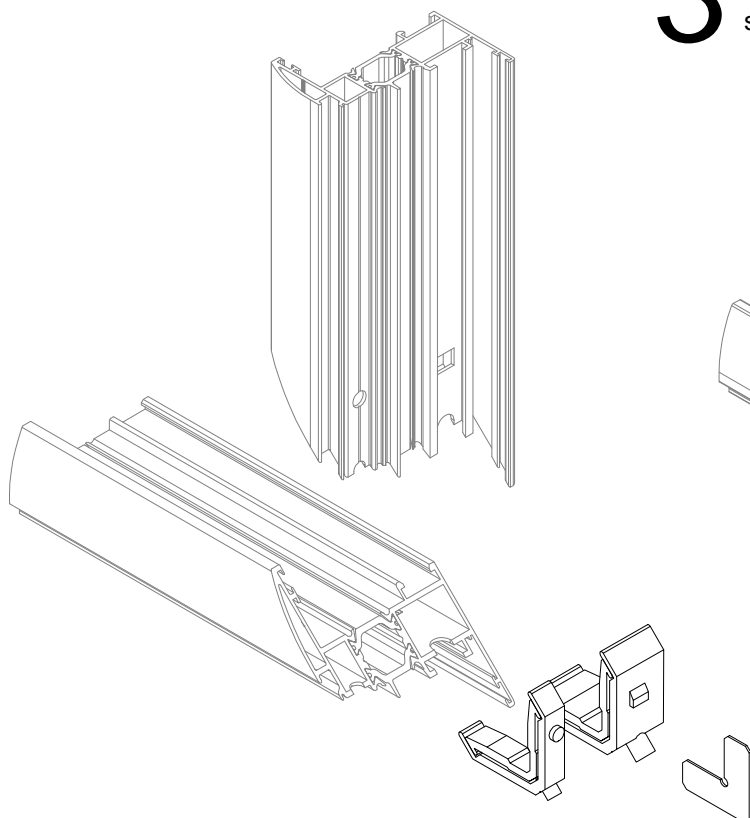
- 1 Na folha móvel, antes de se colocar os esquadros de aperto, siliconar o interior das caixas, após os rasgos de fixação dos esquadros.

INJETAR SILICONE

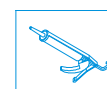


- 2 Aplicação dos esquadros de aperto.

- 3 Após o fecho das esquadrias, colocar pontos de silicone neutro nos rasgos de aperto dos esquadros.

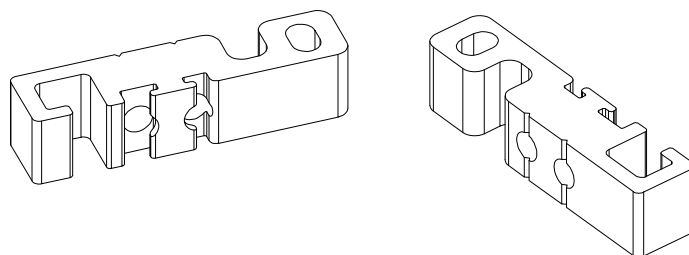


INJETAR SILICONE



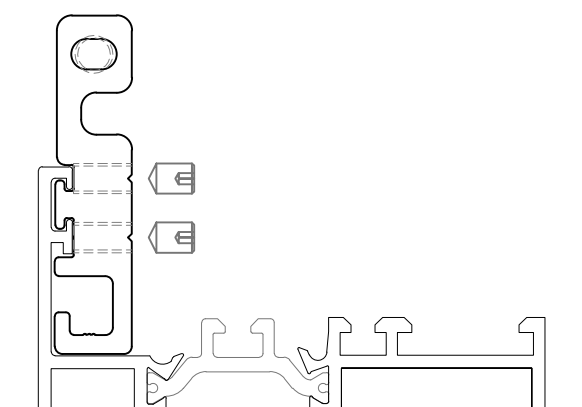
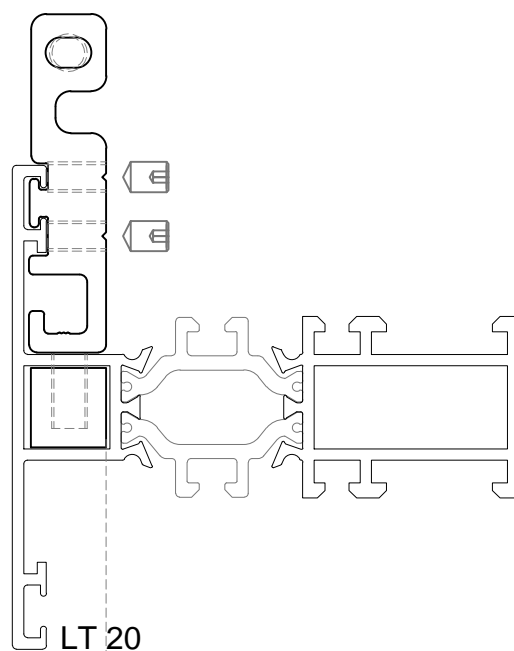
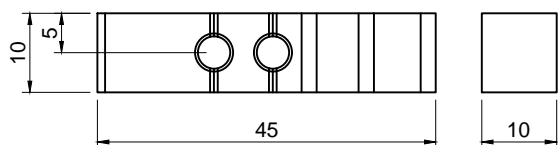
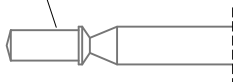
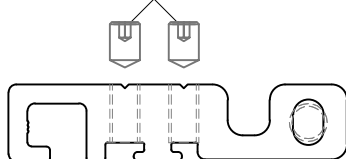
MONTAGEM DOS PERFIS

Montagem de Travessas



M4 com 6mm
DIN914 A2

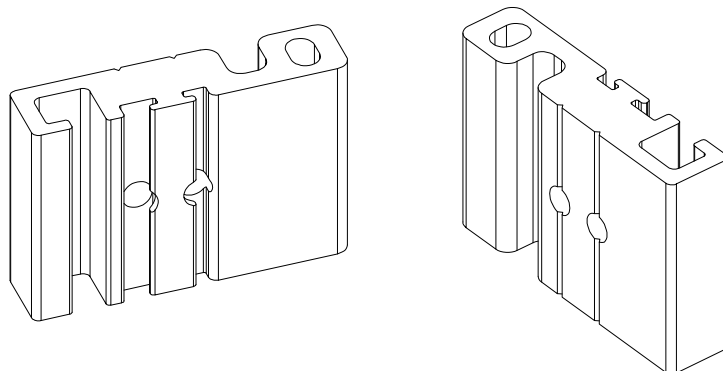
PINO



LT 07, LT 42, LT 68, LT 01, LT 21
 LT 81, LT 83, LT 47, LT 67, LT 41
 LT 57, LT 60, LT 61, LT 51, LT 62
 LT 15

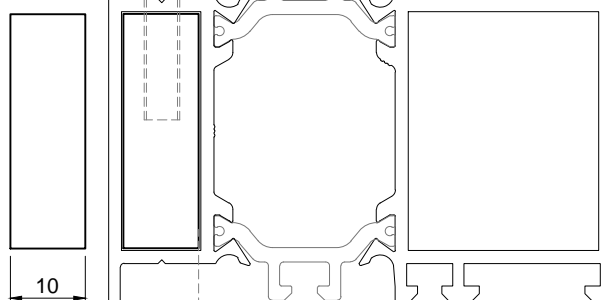
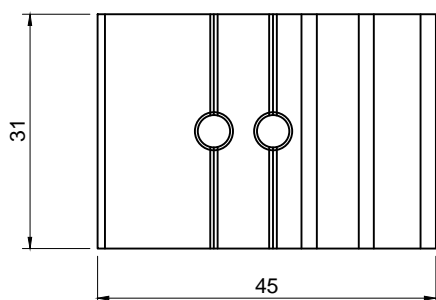
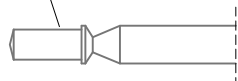
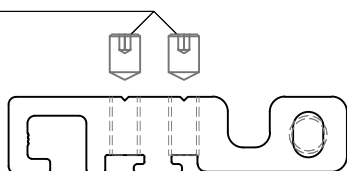
MONTAGEM DOS PERFIS

Montagem de Travessas

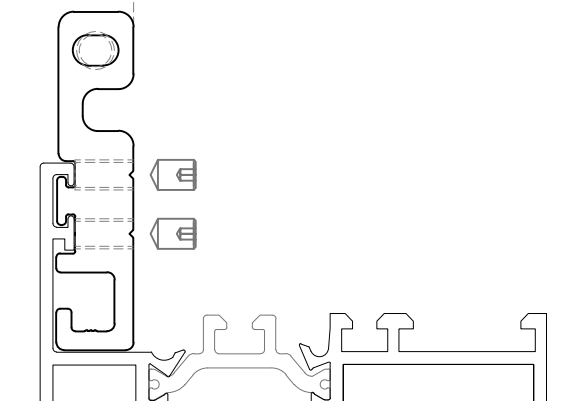


M4 com 6mm
DIN914 A2

PINO



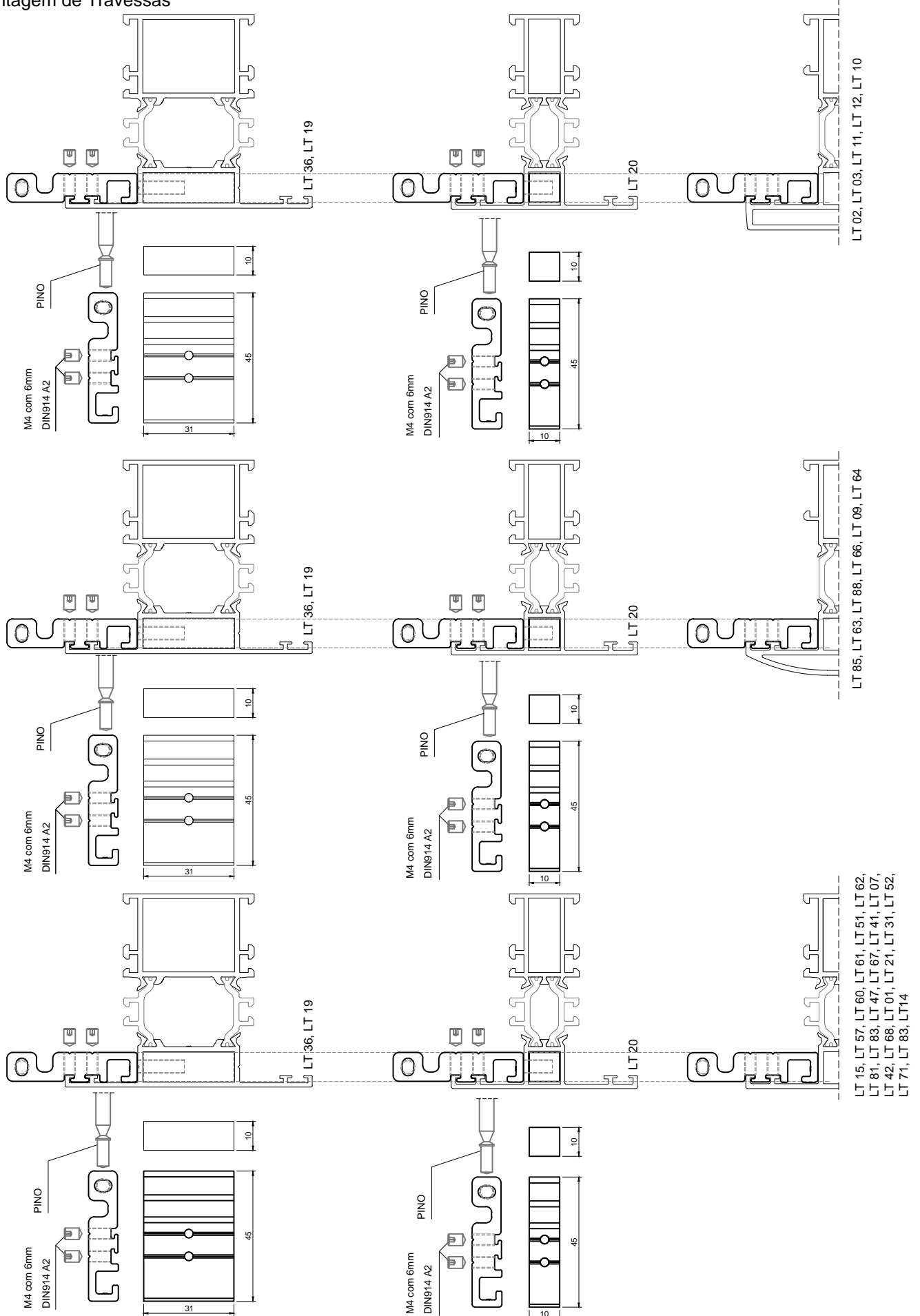
LT 36, LT 19



LT 07, LT 42, LT 68, LT 01, LT 21
LT 81, LT 83, LT 47, LT 67, LT 41
LT 57, LT 60, LT 61, LT 51, LT 62
LT 15

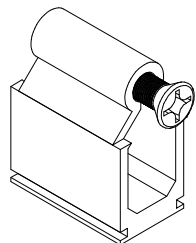
MONTAGEM DOS PERFIS

Montagem de Travessas

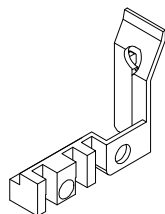


MONTAGEM DOS PERFIS

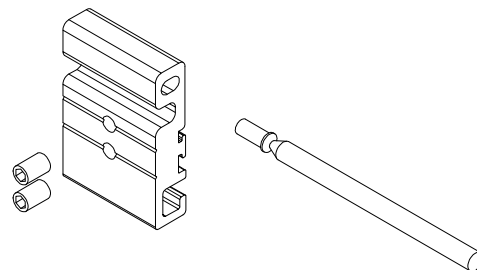
Montagem de Travessas - Montagem da Travessa LT 36 a Aro fixo



UNIÃO DE TRAVESSA
SA2001 G



CONJUNTO TOPOS
ALINHAMENTO PARA
TRAVESSA LT



UNIÃO SUPLEMENTAR
DE TRAVESSA G



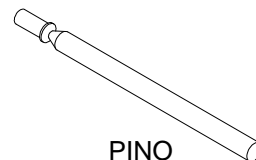
DIN 7991 A2
M6 x 12 mm



DIN 913 A2
M6 x 12 mm

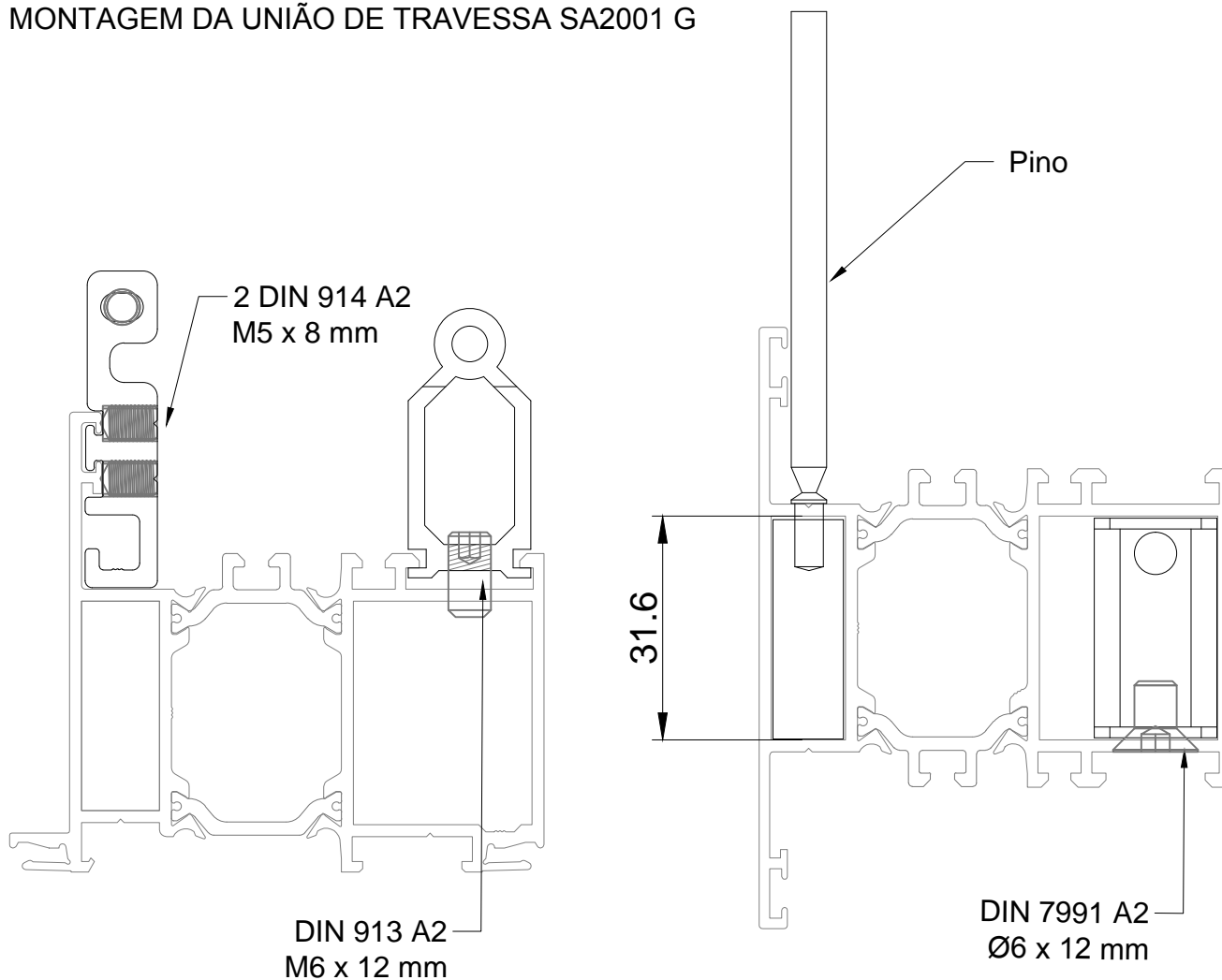


DIN 914 A2
M5 x 8 mm



PINO

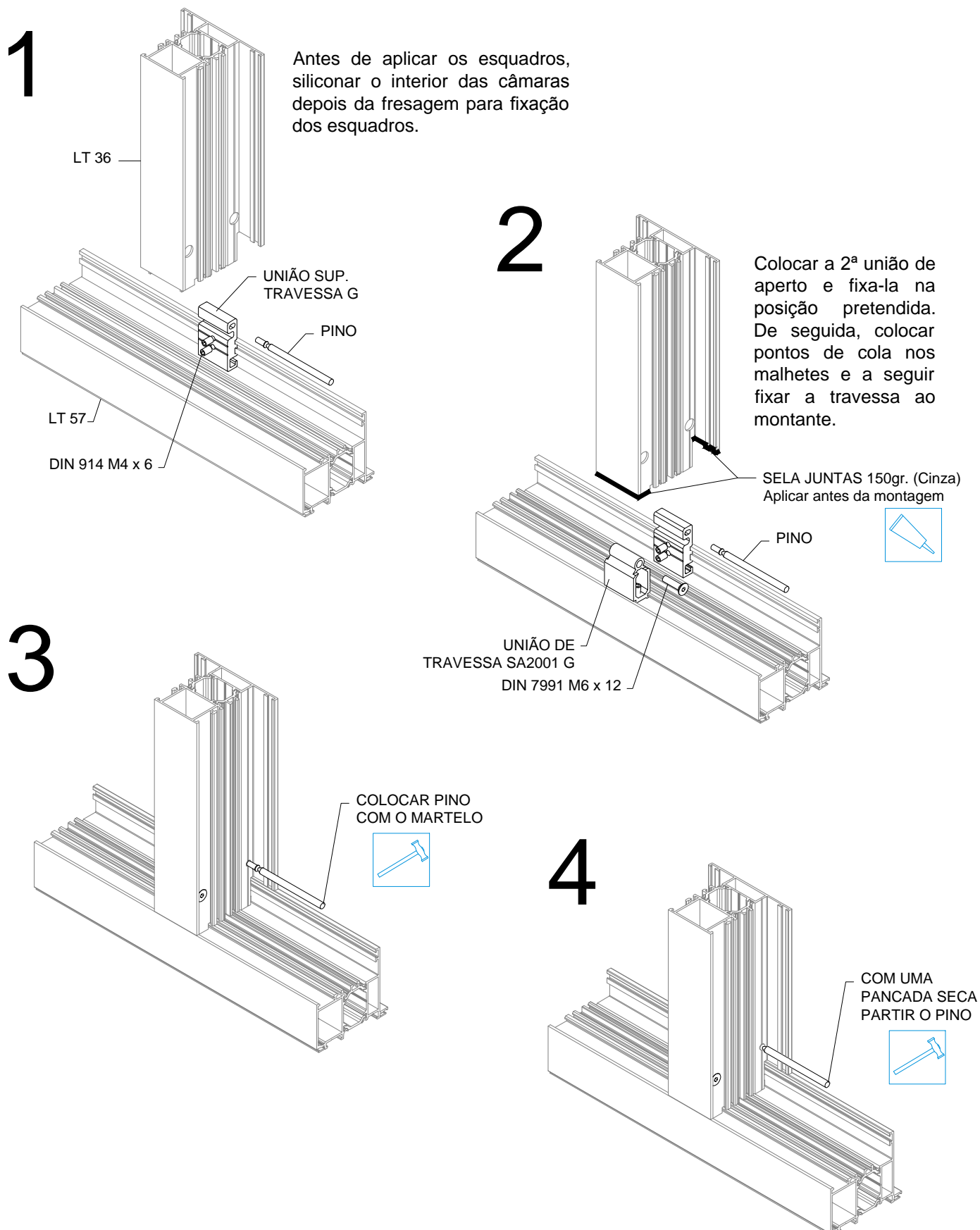
MONTAGEM DA UNIÃO DE TRAVESSA SA2001 G



MONTAGEM DOS PERFIS

Montagem de Travessas - Montagem da Travessa LT 36 a Aro fixo

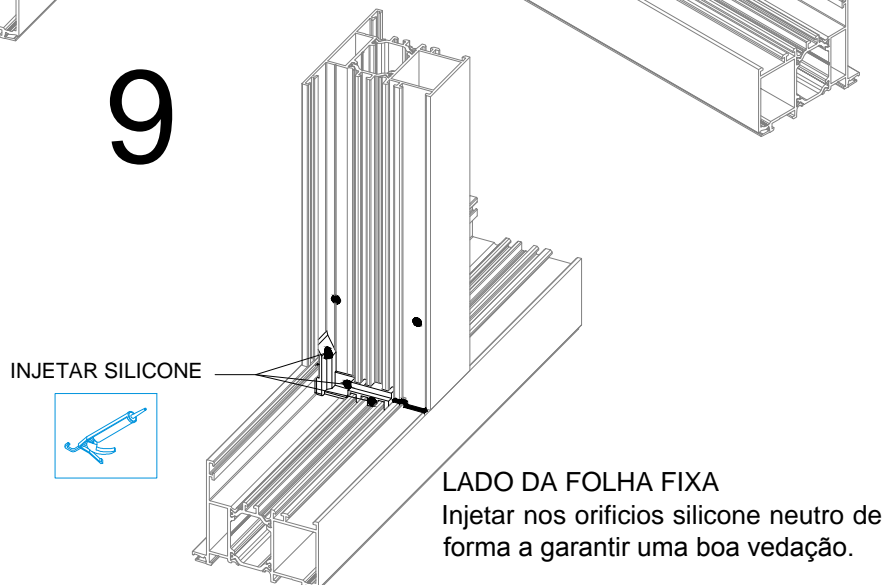
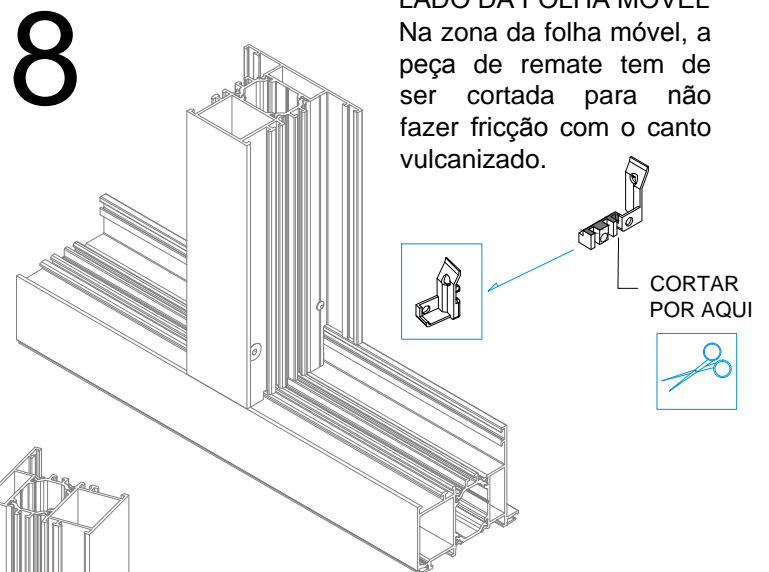
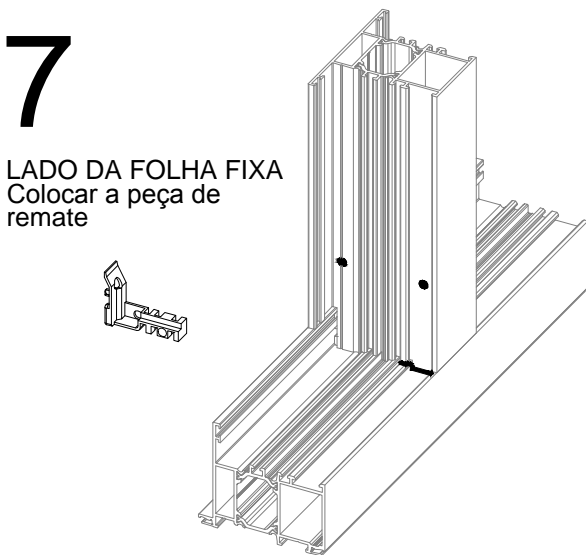
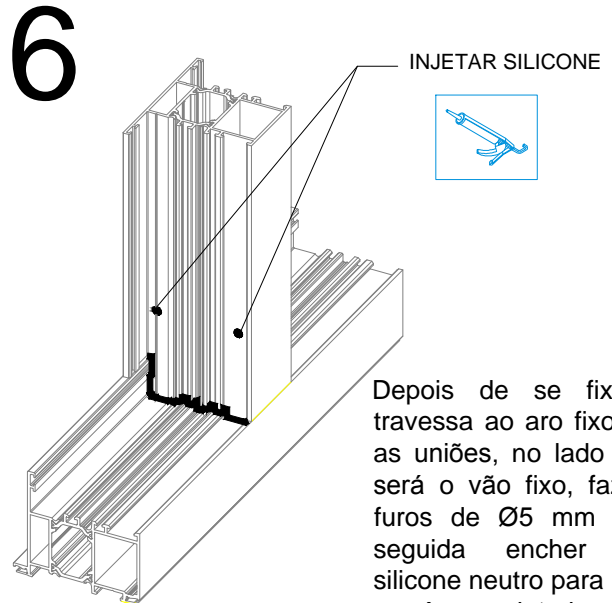
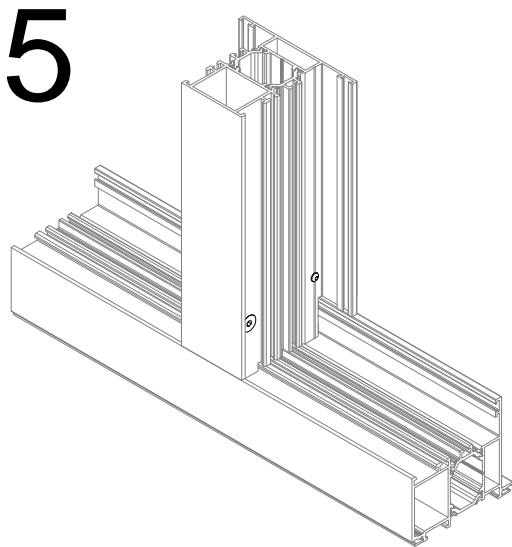
- TRAVESSA NA VERTICAL



MONTAGEM DOS PERFIS

Montagem de Travessas - Montagem da Travessa LT 36 a Aro fixo

- TRAVESSA NA VERTICAL

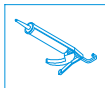
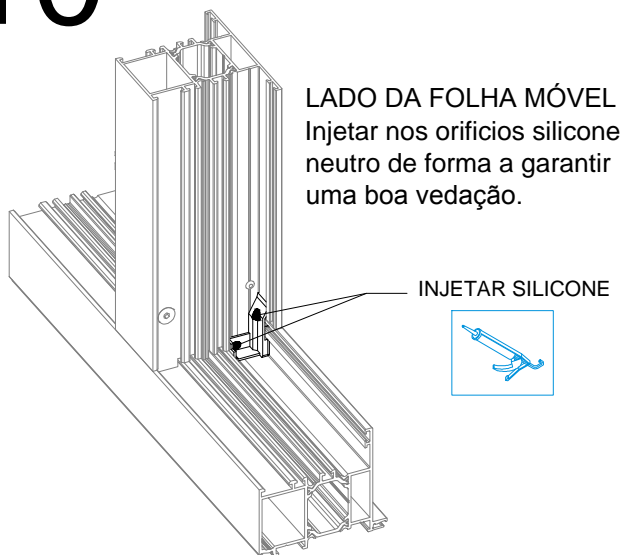


MONTAGEM DOS PERFIS

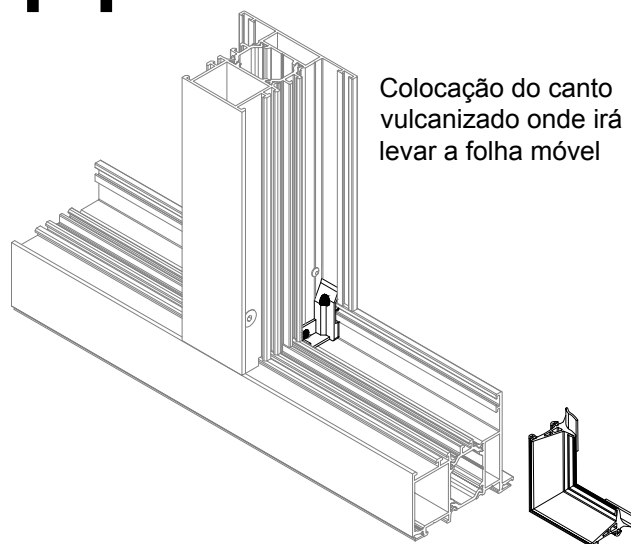
Montagem de Travessas - Montagem da Travessa LT 36 a Aro fixo

- TRAVESSA NA VERTICAL

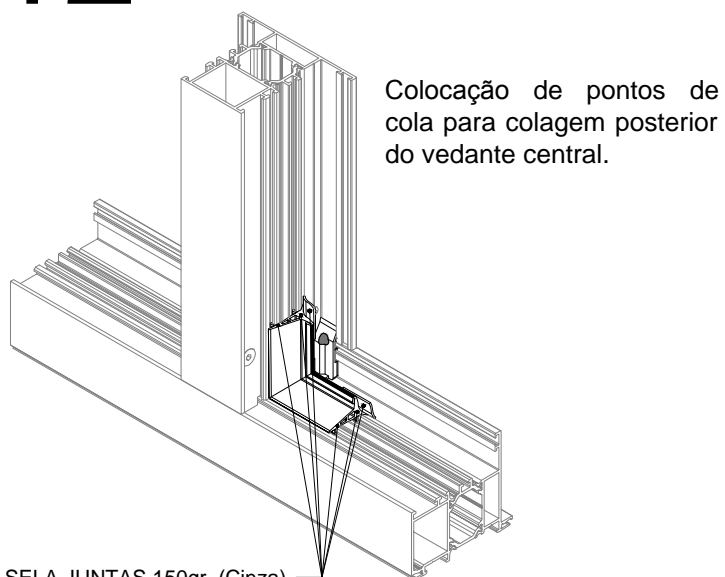
10



11



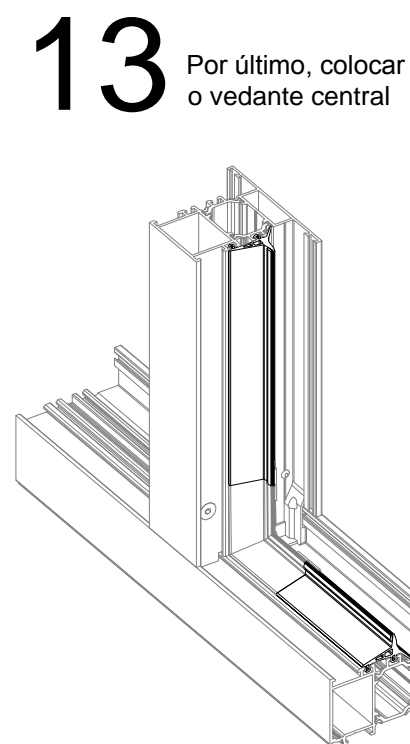
12



SELA JUNTAS 150gr. (Cinza)
Aplicar antes da montagem



13

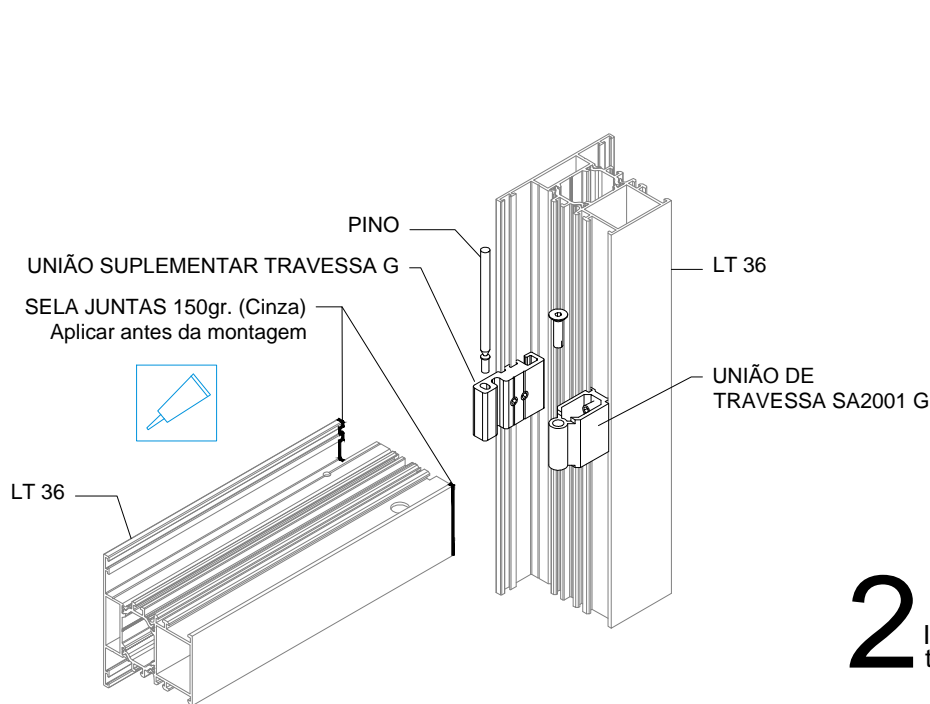


MONTAGEM DOS PERFIS

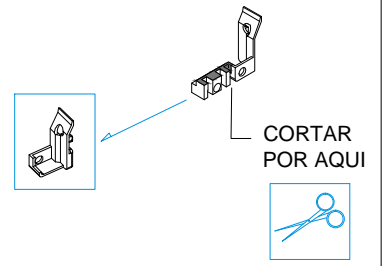
Montagem de Travessas - Montagem da Travessa LT 36 a Aro fixo

- TRAVESSA NA HORIZONTAL

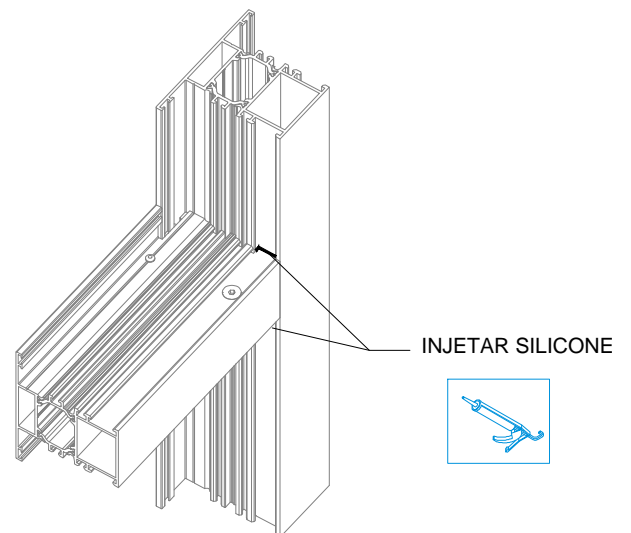
1 Colocar as uniões de aperto e fixa-las na posição pretendida. De seguida, colocar pontos de cola nos malhetes e a seguir fixa-se a travessa ao montante, com o mesmo processo feito com o aro fixo e a travessa.



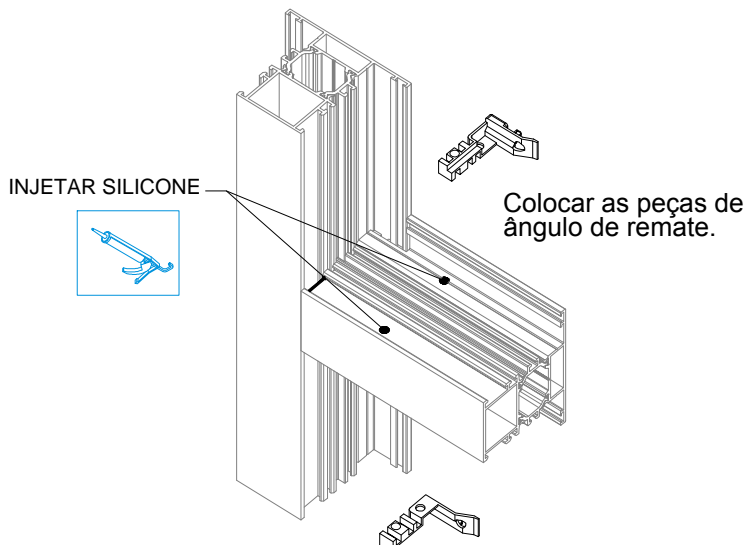
No caso de haver folhas móveis é necessário cortar a peça de ângulo de remate.



2 Injetar ambos os lados da travessa silicone neutro.



3 Encher com silicone neutro de maneira que as câmaras interiores fiquem isoladas.

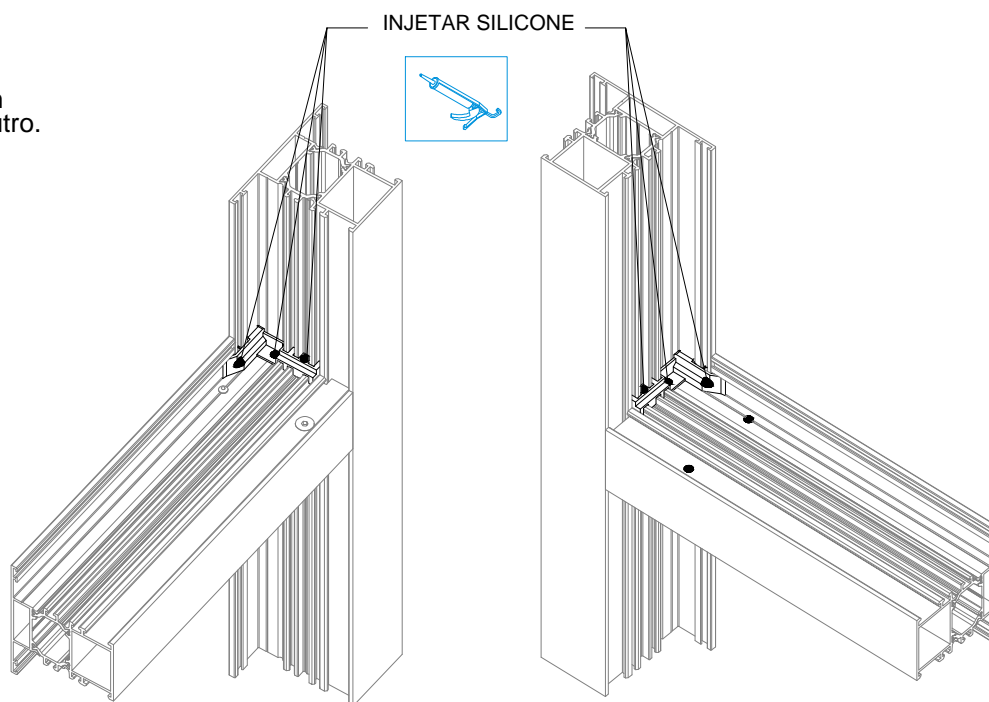


MONTAGEM DOS PERFIS

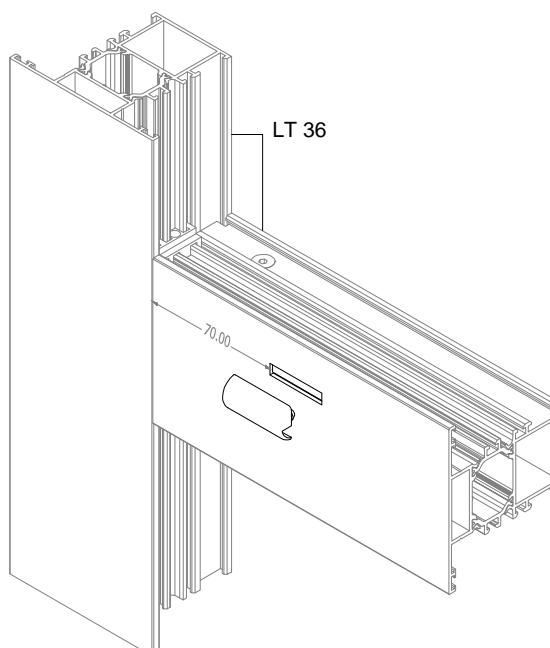
Montagem de Travessas - Montagem da Travessa LT 36 a Aro fixo

- TRAVESSA NA HORIZONTAL

4 Encher com silicone neutro.

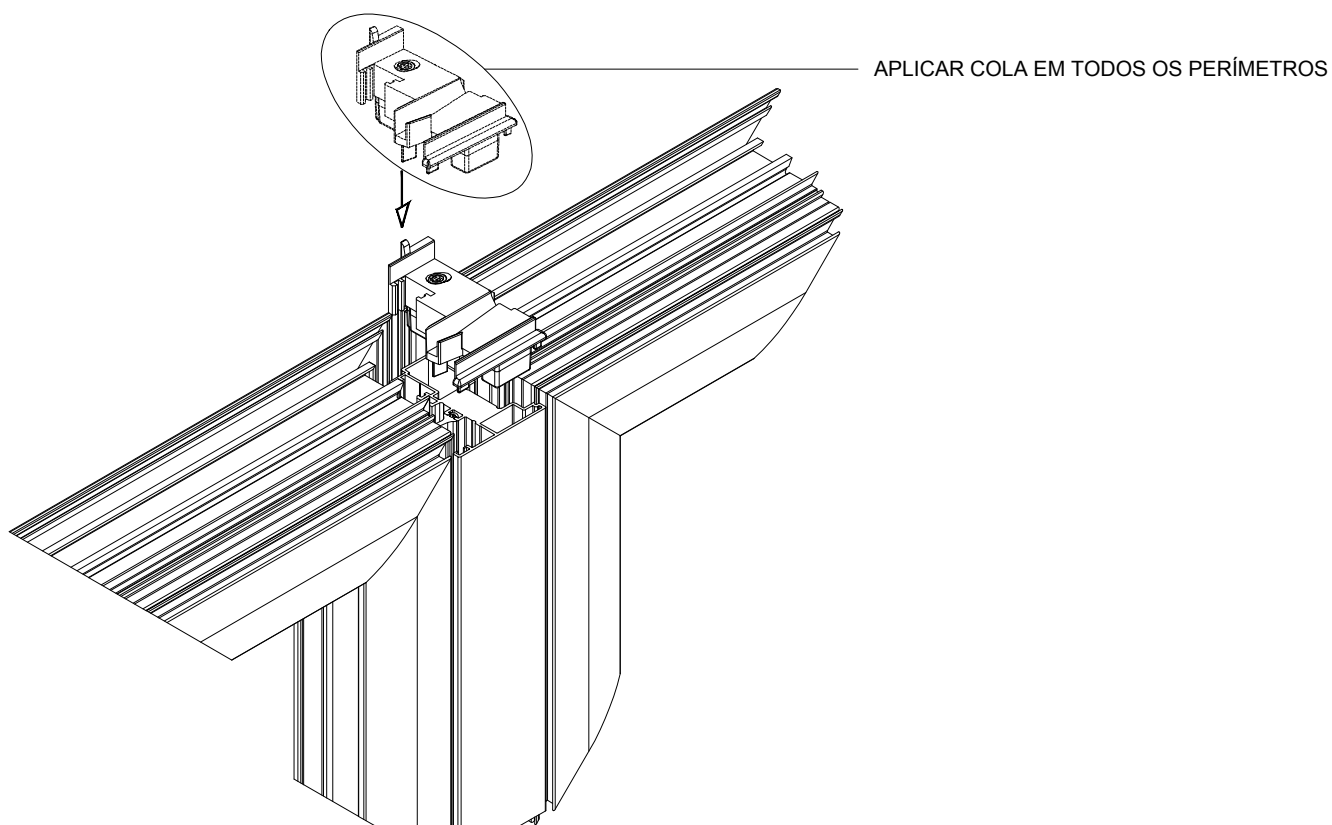
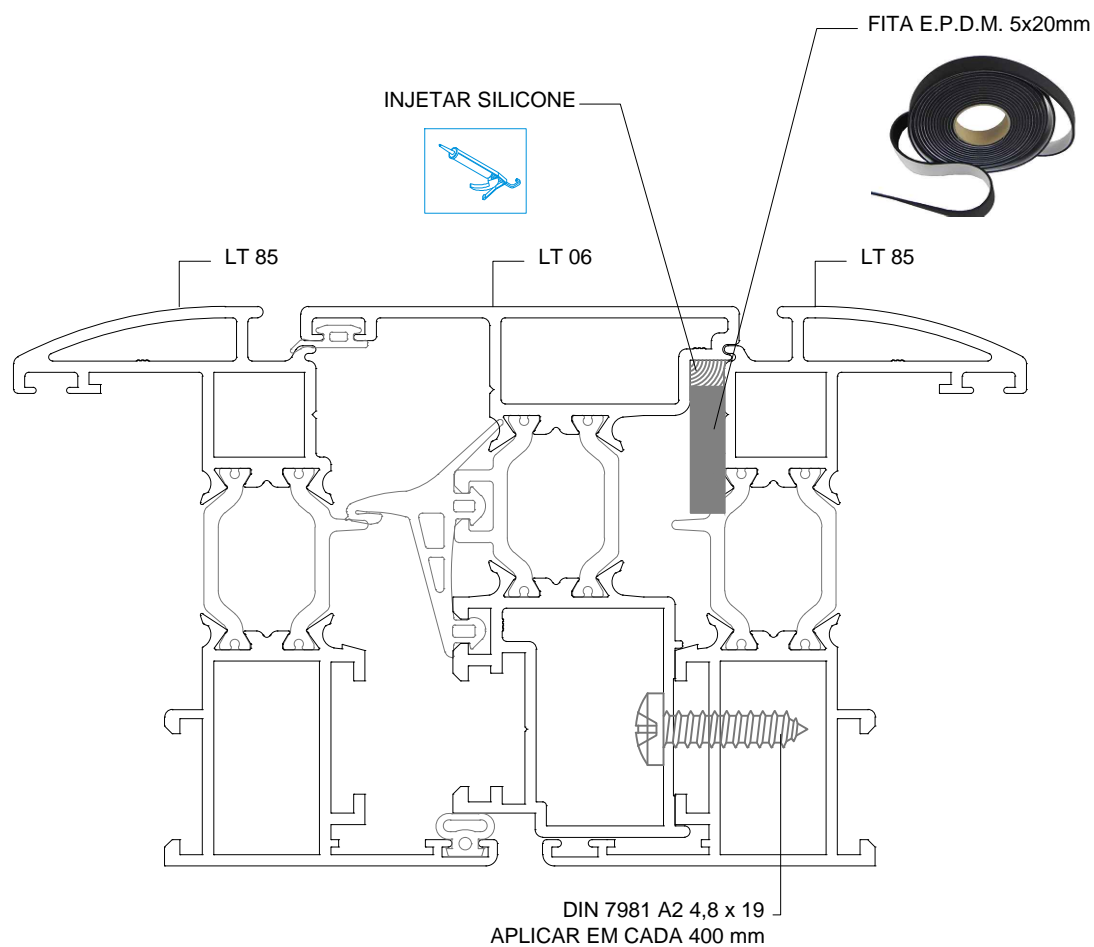


5 Aplicação da goteira



MONTAGEM DOS PERFIS

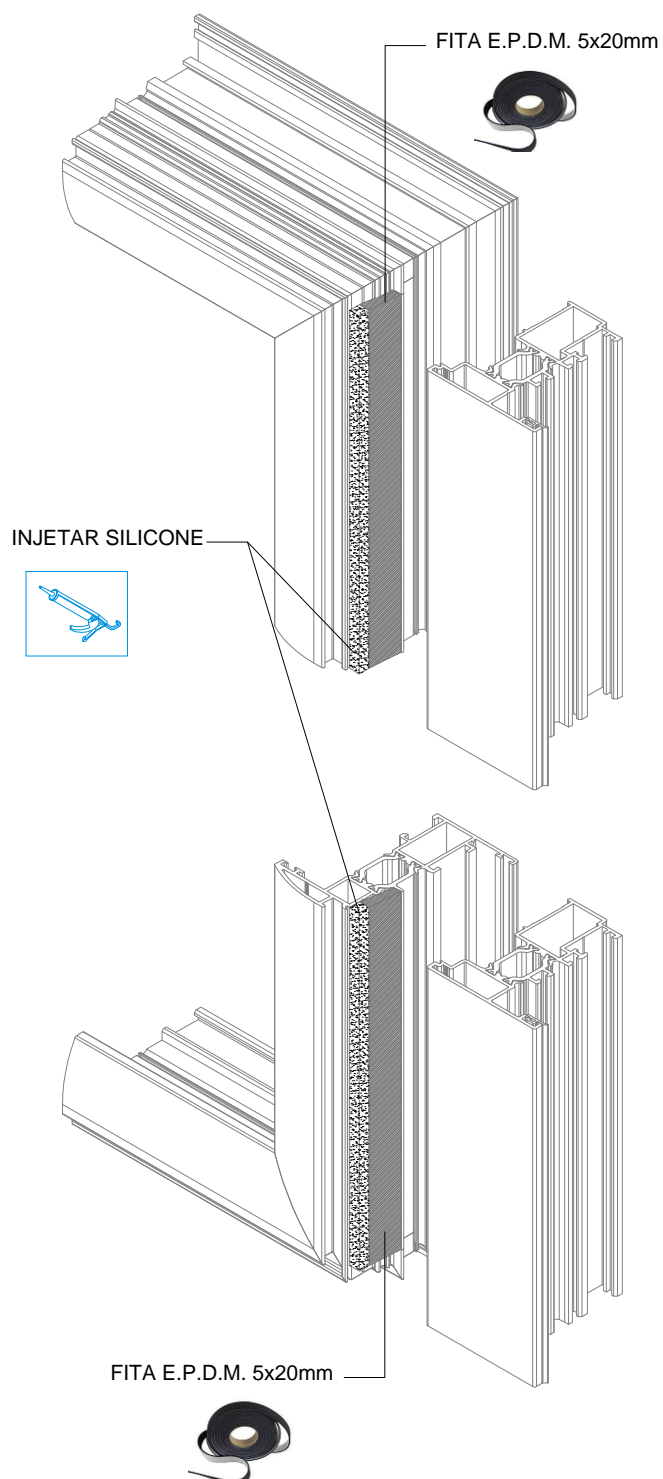
Montagem de Aro móvel ao perfil central LT 06



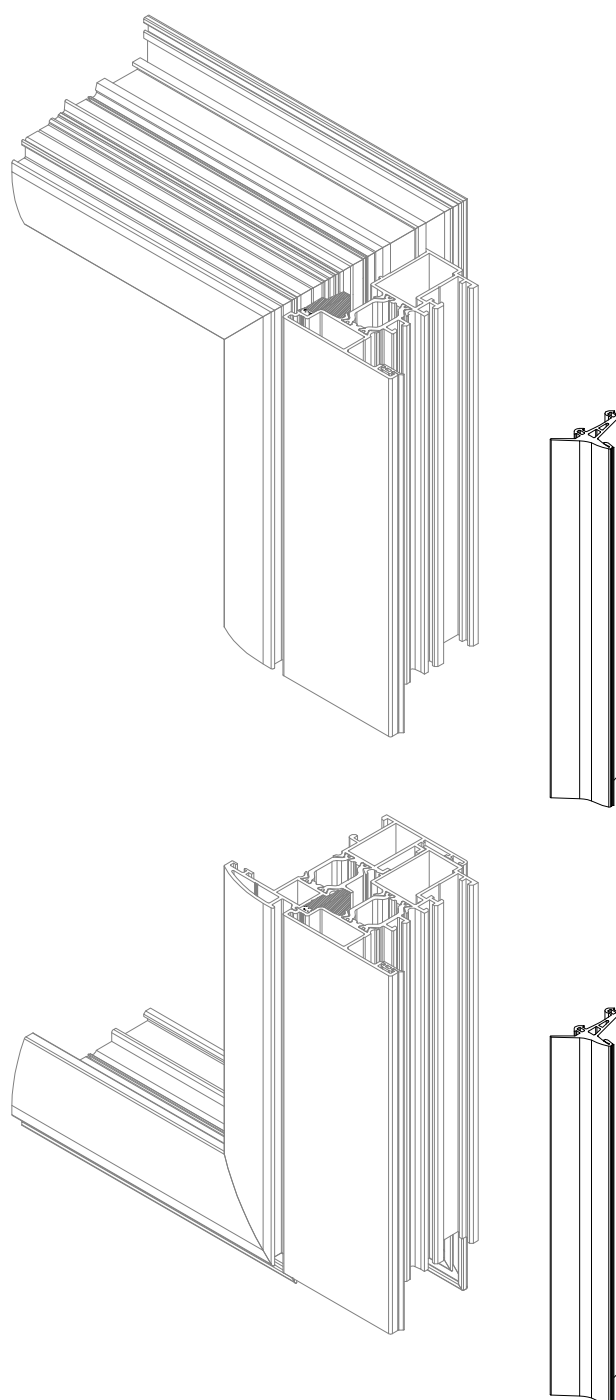
MONTAGEM DOS PERFIS

Montagem de Aro móvel ao perfil central LT 06

- 1** Antes de fixar o perfil inversor na folha, colocar a fita de borracha e um fio de silicone na folha móvel com o comprimento do perfil inversor.

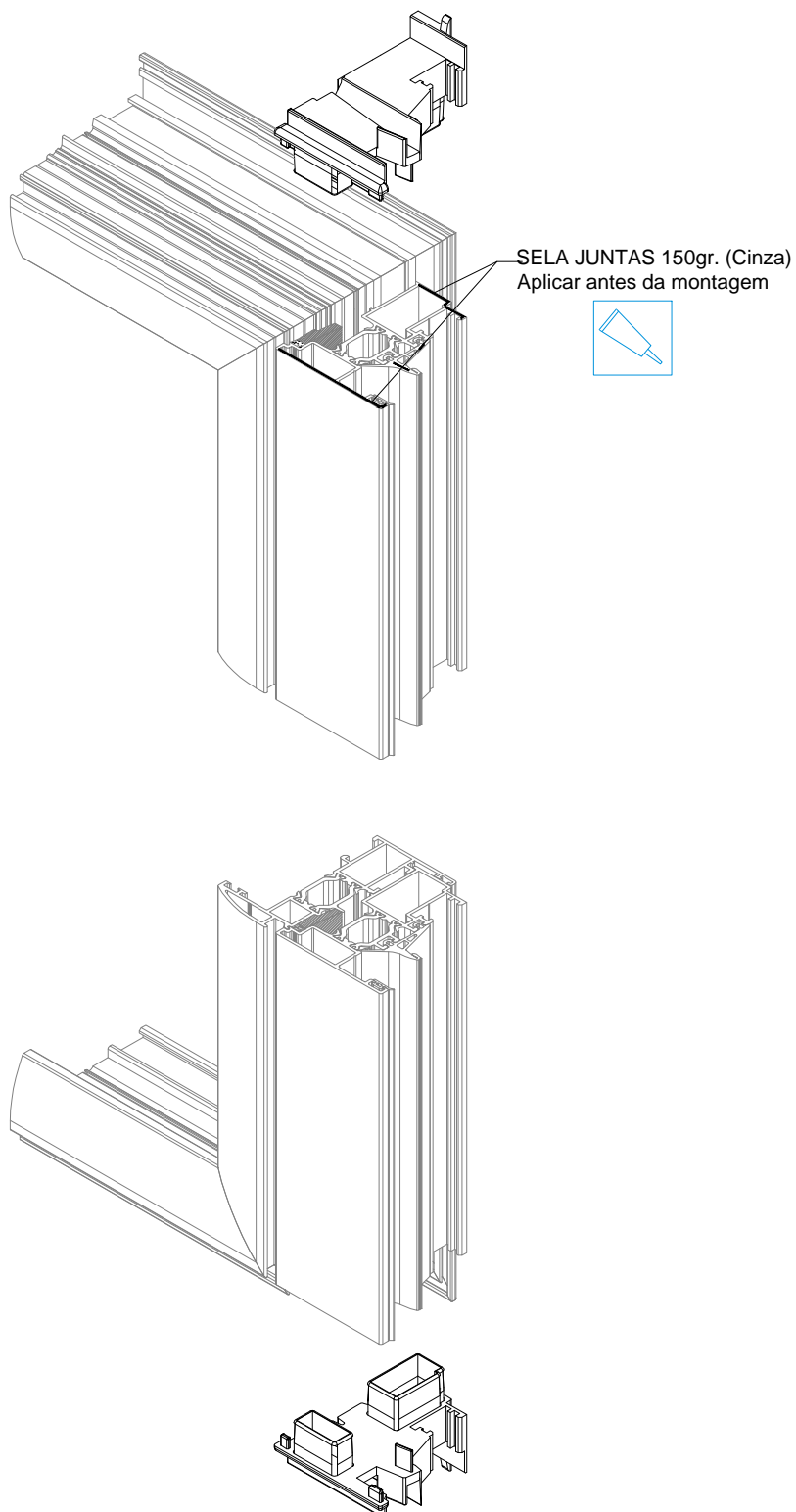
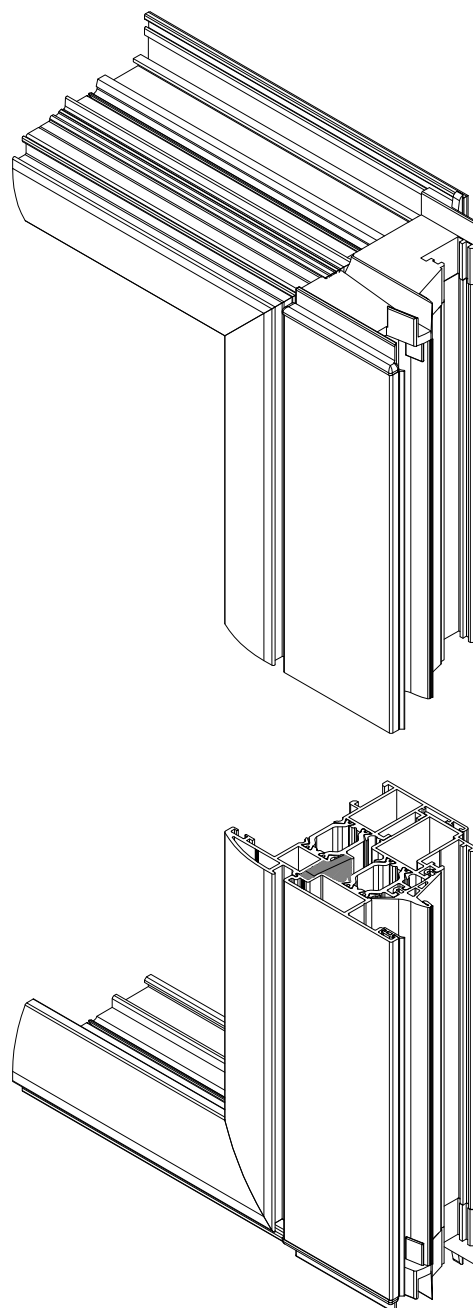


- 2** Depois de se fixar o perfil inversor ao aro móvel, colocar o vedante central.



MONTAGEM DOS PERFIS

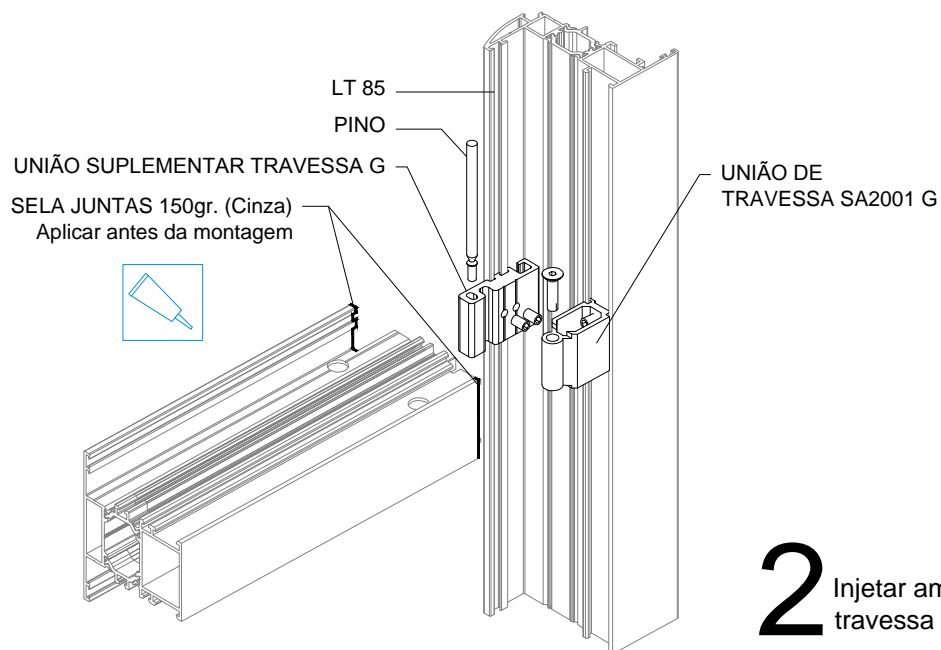
Montagem de Aro móvel ao perfil central LT 06

3 Aplicação de pontos de cola antes de se fixar os topos esquerdo e direito**4** Pormenor final exemplificativo

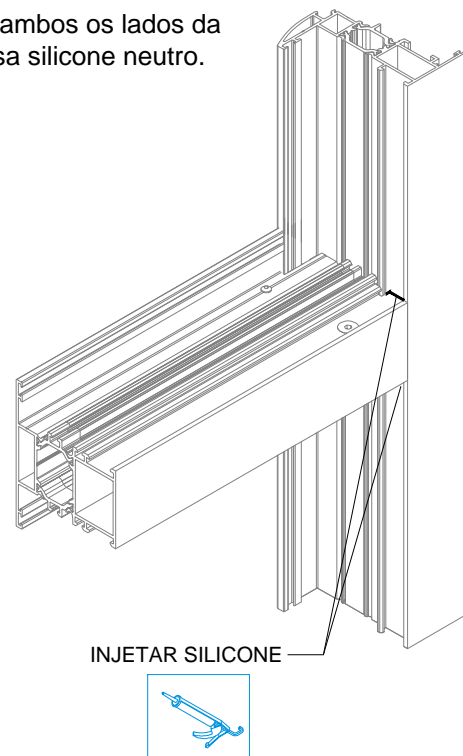
MONTAGEM DOS PERFIS

Montagem da Travessa LT 36 a Aro móvel

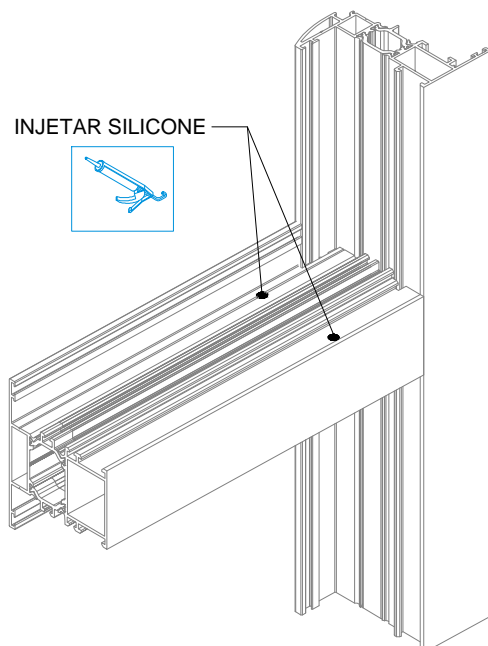
- 1** Colocar as uniões de aperto e fixa-las na posição pretendida. De seguida colocar pontos de cola nos malhetes e a seguir fixa-se a travessa à folha (processo idêntico à fixação aro fixo com a travessa).



- 2** Injetar ambos os lados da travessa silicone neutro.

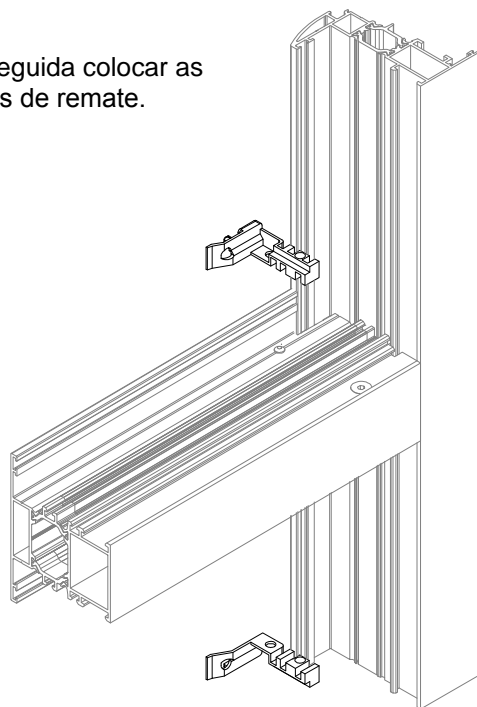
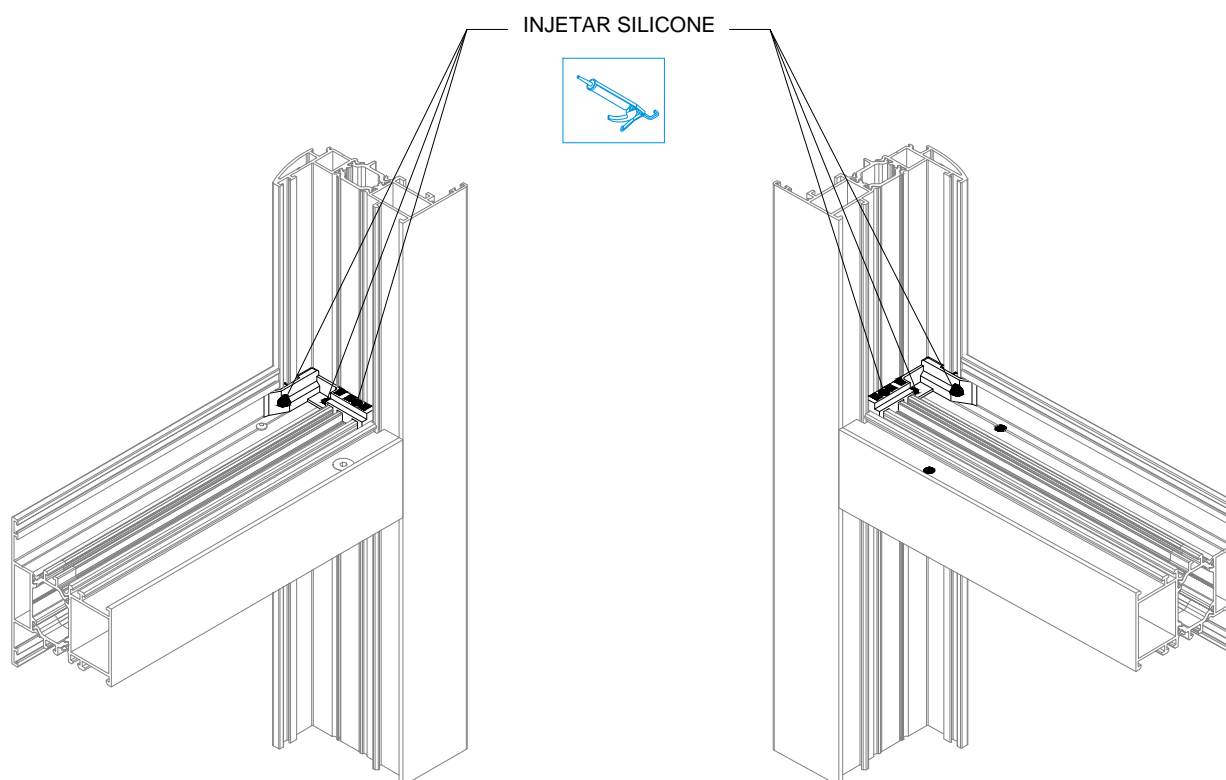


- 3** Encher com silicone neutro de maneira que as câmaras interiores fiquem isoladas.



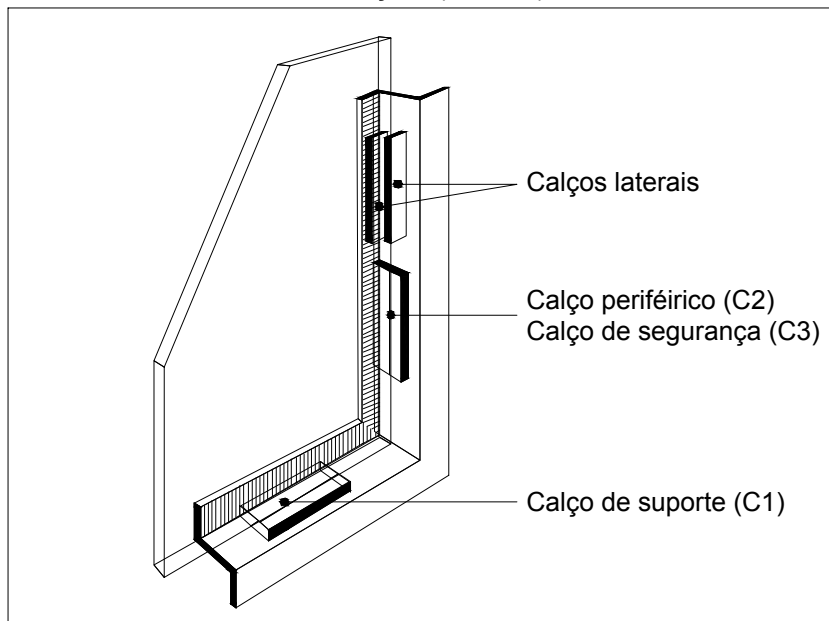
MONTAGEM DOS PERFIS

Montagem da Travessa LT 36 a Aro móvel

4 De seguida colocar as peças de remate.**5** Encher com silicone neutro.

COLOCAÇÃO DOS VIDROS NO CAIXILHO

POSICIONAMENTO DOS CALÇOS (DTU 39)



Função dos Calços

Calços de Suporte (ou apoio) (C1):
Transmitem o peso do vidro ao caixilho.

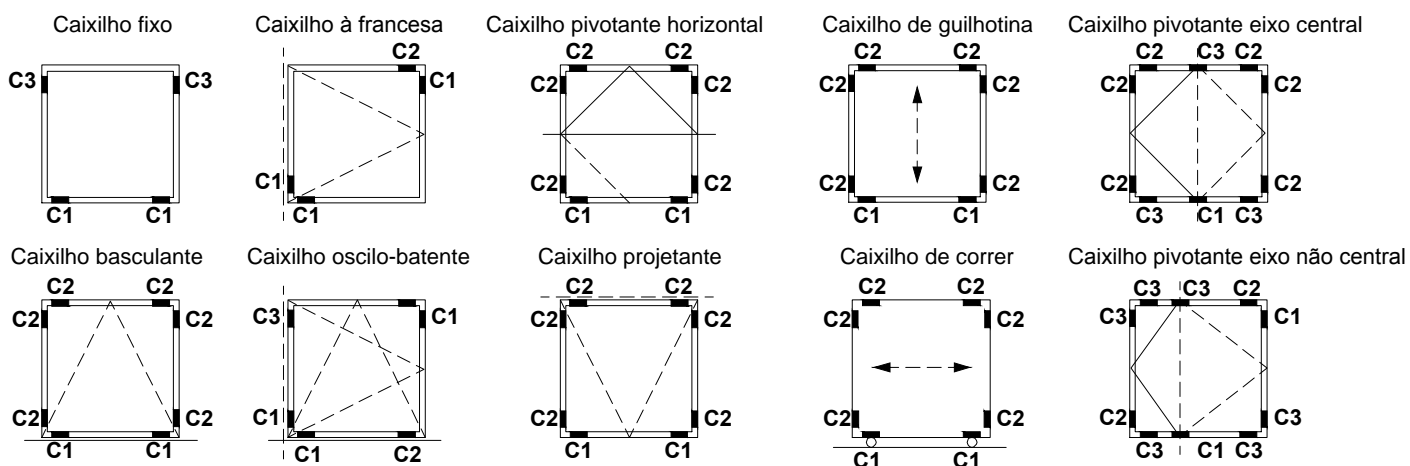
Calços Periféricos:
Colocados no fundo da gola, evitam o deslizamento do vidro no seu plano, nomeadamente durante a manobra dos batentes, e contribuem, na maior parte dos casos (calços ajustados C2), para a manutenção da esquadria dos aros móveis. Outros calços periféricos designados por calços de segurança (C3), evitam um contato eventual entre vidro e fundo da gola durante os movimentos pontuais de abertura e fecho.

Calços Laterais
Asseguram uma espessura regular dos mastiques servindo de estanquicidade e transferindo para o caixilho as solicitações perpendiculares ao plano do vidro. Estes calços laterais não são necessários no caso de uso de perfis de borracha, ou, segundo o DTU 39, quando a pressão exercida nos acessórios de estanquicidade não exceda um certo limite descrito nesta norma.

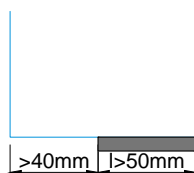
Dimensões dos calços

| | Calços de Suporte | Calços Periféricos | Calços Laterais |
|-------------------------|---|--|---|
| Largura | Necessária para que a totalidade da espessura do vidro repouse sobre os calços. Na prática, no mínimo igual à espessura aumentando de uma tolerância lateral | Necessária para que a totalidade da espessura do vidro repouse sobre os calços | Necessária para que o calço não provoque descontinuidade na estanquicidade da junta |
| Comprimento (mm) | <ul style="list-style-type: none"> em madeira: $l = 10 \times S^*$ em Neoprene: $l = 30 \times S^*$ em materiais sintéticos: segundo a resistência à compressão para as temperaturas compreendidas entre -20° e $+55^\circ$ mais ou menos igual a 50mm <p>* superfície do vidro em m^2</p> | Pelo menos igual a 50mm | Pelo menos igual a 50mm |
| Espessura | Pelo menos igual à tolerância mínima | Pelo menos igual ao jogo mínimo | Ligeiramente inferior ao jogo lateral |
| Dureza | 70 a 95 DIDC | 50 a 70 DIDC | 50 a 70 DIDC |

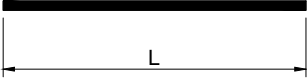
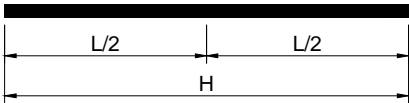
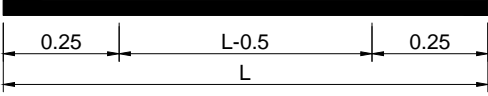
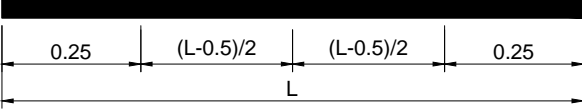
Instalação dos calços

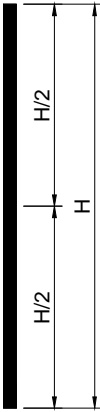
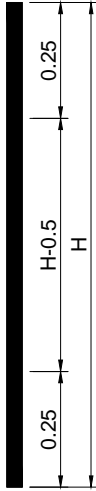
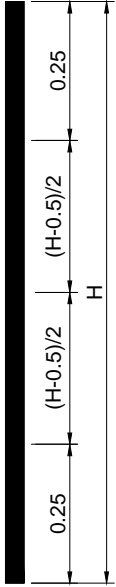


Posicionamento dos calços de suporte (ou apoio) e dos calços periféricos

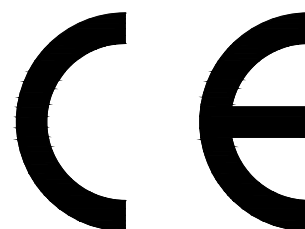


FIXAÇÃO DOS CAIXILHOS EM OBRA

| |
|---|
| <p>$L \leq 0.90 \text{ m}$</p>  |
| <p>Nenhuma Fixação</p> |
| <p>$0.90 < L \leq 1.60 \text{ m}$</p>  |
| <p>1 Fixação</p> |
| <p>$1.60 < L \leq 2.40 \text{ m}$</p>  |
| <p>2 Fixações</p> |
| <p>$2.40 < L \leq 3.20 \text{ m}$</p>  |
| <p>3 Fixações</p> |
| <p>$L > 3.20 \text{ m}$</p> |
| <p>1 Fixação a mais por cada troço suplementar de 0.80 m</p> |

| | | |
|---|--|--|
| <p>$H \leq 0.65 \text{ m}$</p>  | <p>$0.65 \text{ m} < H \leq 1.45 \text{ m}$</p>  | <p>$1.45 \text{ m} < H \leq 2.45 \text{ m}$</p>  |
| <p>1 Fixação</p> | <p>2 Fixações</p> | <p>3 Fixações</p> |

MARCAÇÃO

**PROCESSO DE ENSAIO PARA MARCAÇÃO CE**

CORTE DOS PERFIS

MAQUINAÇÃO DOS PERFIS

Rasgos para drenagens e ventilação

MONTAGEM DAS FERRAGENS

VERIFICAÇÃO DE TODAS AS FOLGAS

AFINAÇÃO DAS FERRAGENS E ACESSÓRIOS

PORMENORES DOS VÃOS ENSAIADOS

Janela de 2 folhas oscilo batente com 1,60 x 1,40m - ENSAIO nº34/08 LNEC/LEC

Janela de 2 folhas + fixo lateral com 2,60 x 2,40m - ENSAIO nº02/10 LNEC/LEC

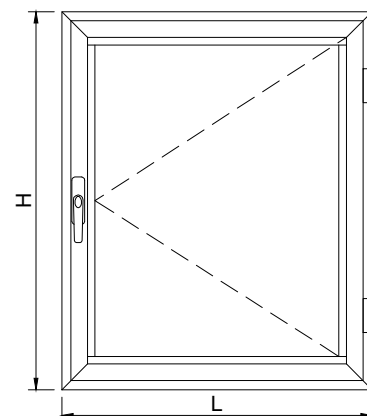
CORTE DOS PERFIS

As medidas de corte poderão ser obtidas através de:

- Plano de corte das várias tipologias dispostas no Catálogo Técnico LT,

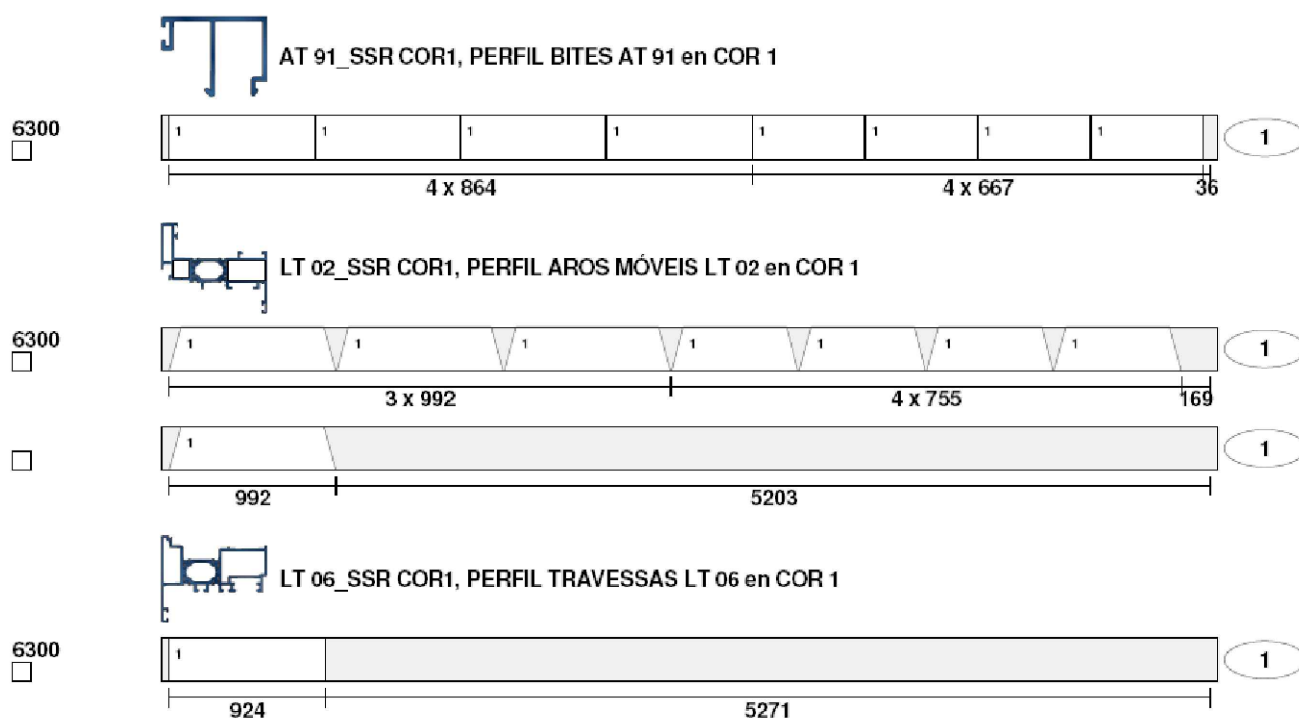
Exemplo 1:

| PERFIS | | | | | | |
|------------------|------------------|------------------|--------------|-------------|--------|-------|
| DES ^o | REF ^a | DESIGNAÇÃO | CORTE HORIZ. | CORTE VERT. | QUANT. | CORTE |
| | LT-07 | ARO FIXO | L-6 | H-30 | 2+2 | |
| | LT-85 | ARO MÓVEL | L-84 | H-108 | 2+2 | |
| | LT-27 | SOLEIRA CONDENS. | L-6 | - | 1 | |
| | - | BITE RETO | L-172 | H-236 | 2+2 | |
| | SA-33 | VARETA | - | (H-350)/2 | 2 | |



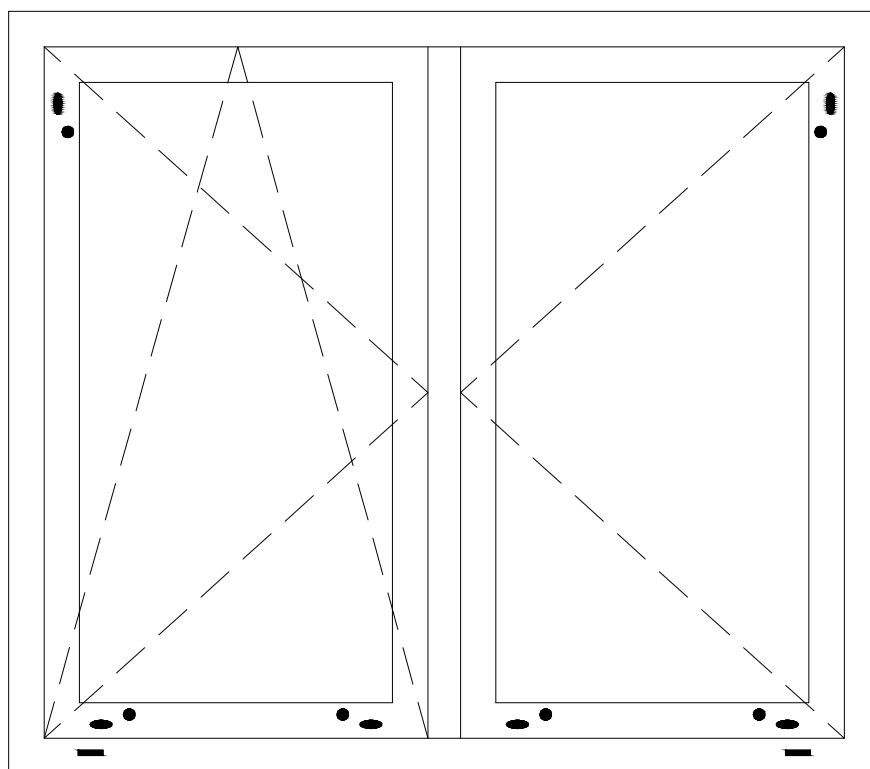
- Ou através do plano de corte gerado pelo programa de orçamentação **PrefSuite**

Exemplo 2:






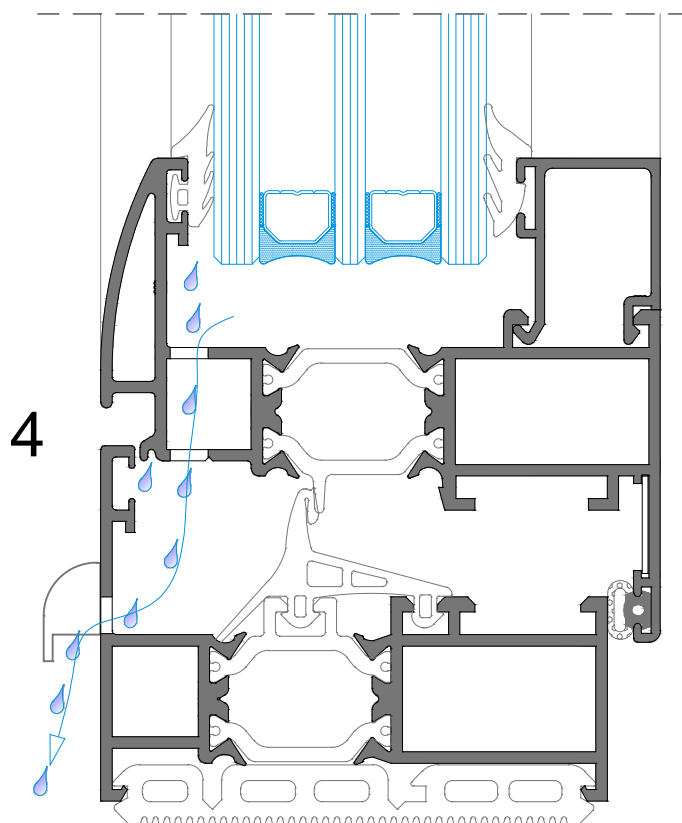
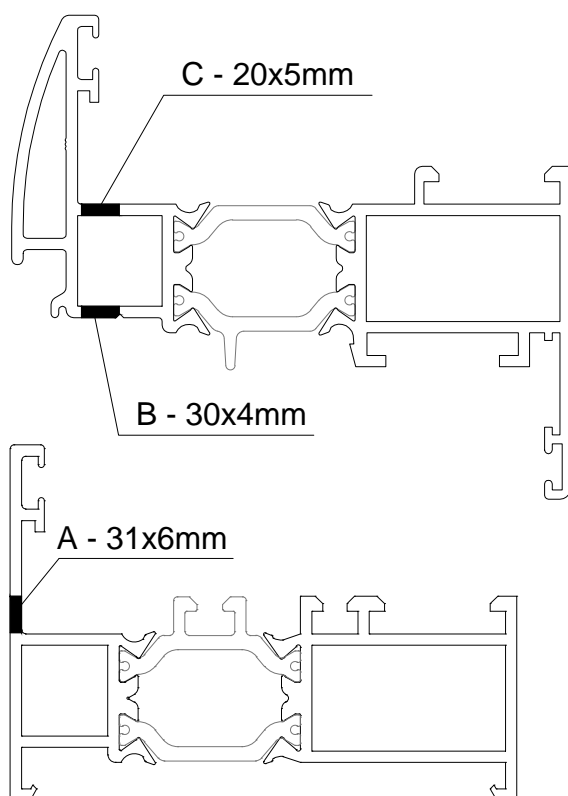
MAQUINAÇÃO DOS PERFIS

- RASGOS PARA VENTILAÇÃO E DRENAGEM P/ JANELA 2 FOLHAS OSCILO-BATENTE



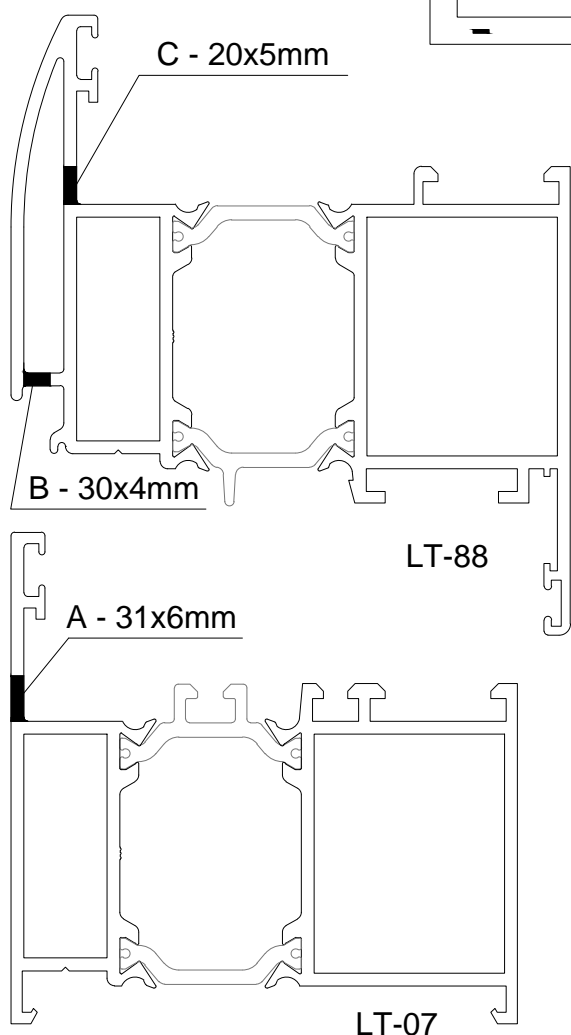
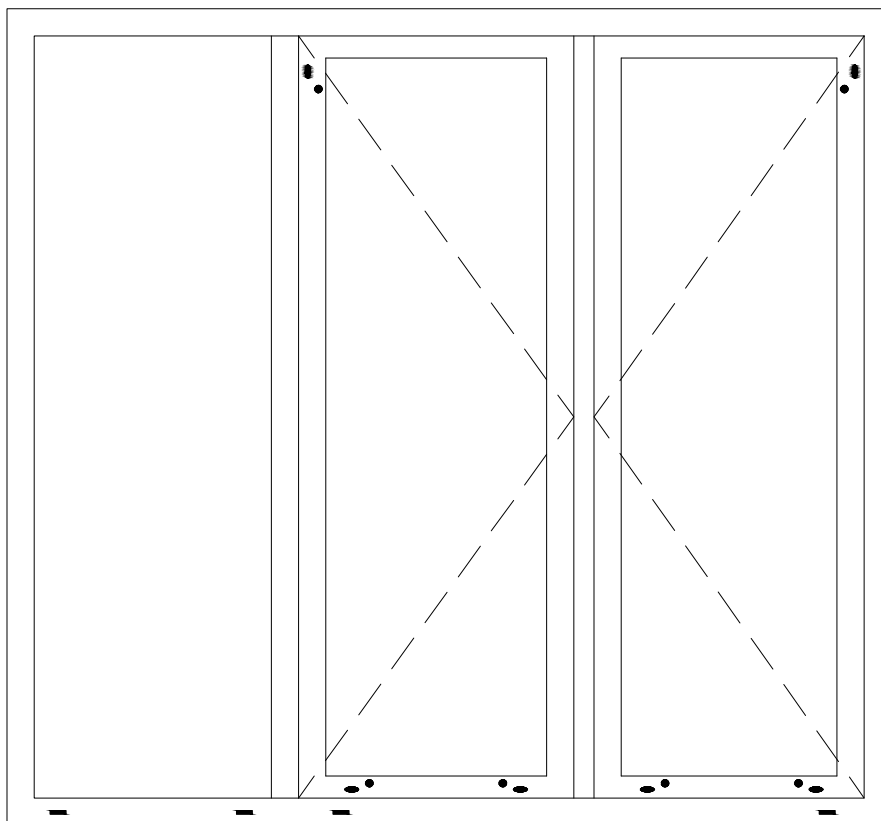
LEGENDA

-  A - RASGOS 31x6mm PARA DRENAGEM
-  B - RASGO 30x4mm PARA VENTILAÇÃO e DRENAGEM
-  C - RASGO 20x5mm PARA VENTILAÇÃO e DRENAGEM






MAQUINAÇÃO DOS PERFIS

- RASGOS PARA VENTILAÇÃO E DRENAGEM PARA JANELA DE SACADA DE 2 FOLHAS OSCILO-BATENTE COM FIXO LATERAL

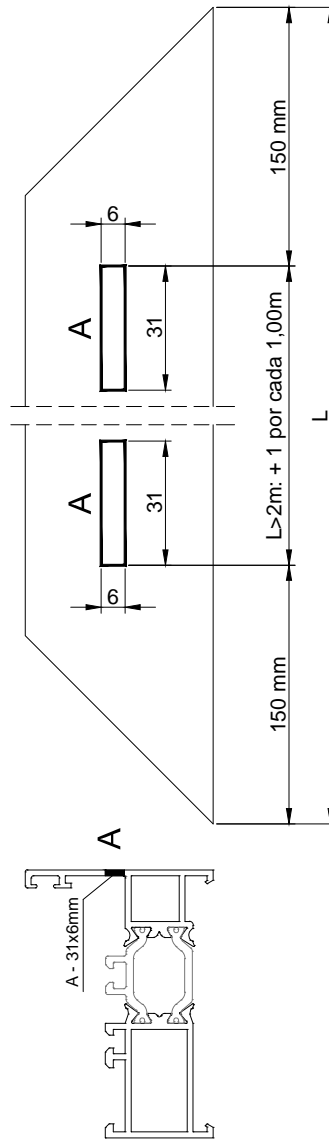
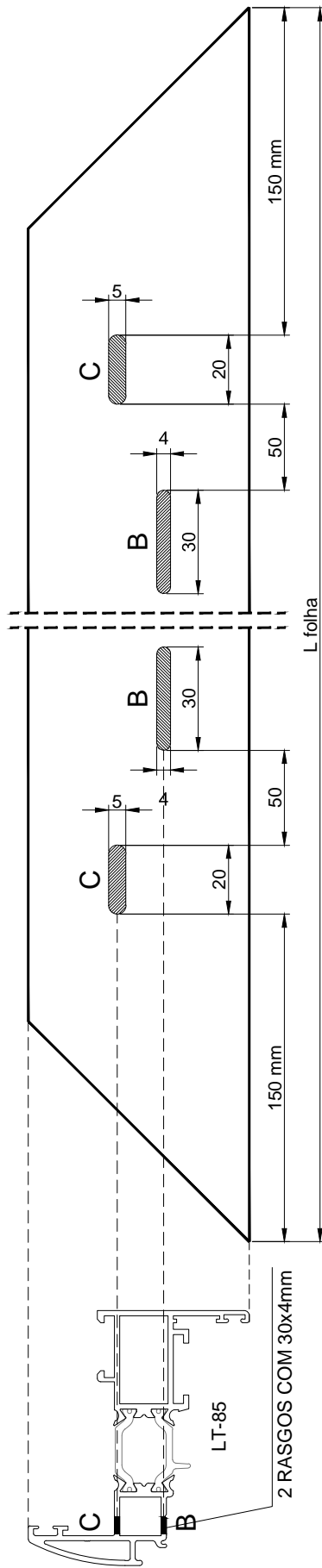


LEGENDA

-  A - RASGOS 31x6mm PARA DRENAGEM
-  B - RASGO 30x4mm PARA VENTILAÇÃO e DRENAGEM
-  C - RASGO 20x5mm PARA VENTILAÇÃO e DRENAGEM

MAQUINAÇÃO DOS PERFIS

- DISPOSIÇÃO DOS RASGOS PARA VENTILAÇÃO E DRENAGE DOS CAIXILHOS



QUANTIDADES

- A - 2 RASGOS COM 31x6mm ATÉ 2,00m DE LARGURA. A PARTIR DE 2,00m, MAIS UM RASGO POR CADA METRO
- B - 2 RASGOS COM 30x4mm, UM EM CADA CANTO INFERIOR EM CADA FOLHA MÓVEL
- 1 RASGO COM 30x4mm NO CANTO SUPERIOR DA LATERAL EXTERIOR EM CADA FOLHA
- C - 2 RASGOS COM 20x5mm, UM EM CADA CANTO INFERIOR EM CADA FOLHA MÓVEL
- 1 RASGO COM 20x5mm NO CANTO SUPERIOR DA LATERAL EXTERIOR EM CADA FOLHA

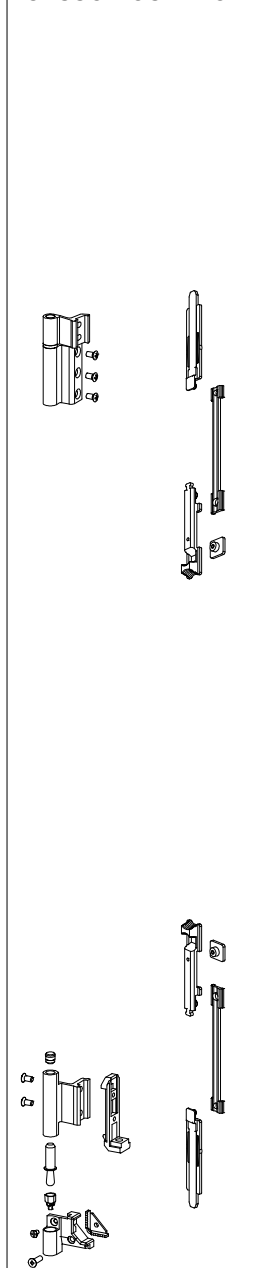
MONTAGEM DAS FERRAGENS

KIT OSCIOBATENTE

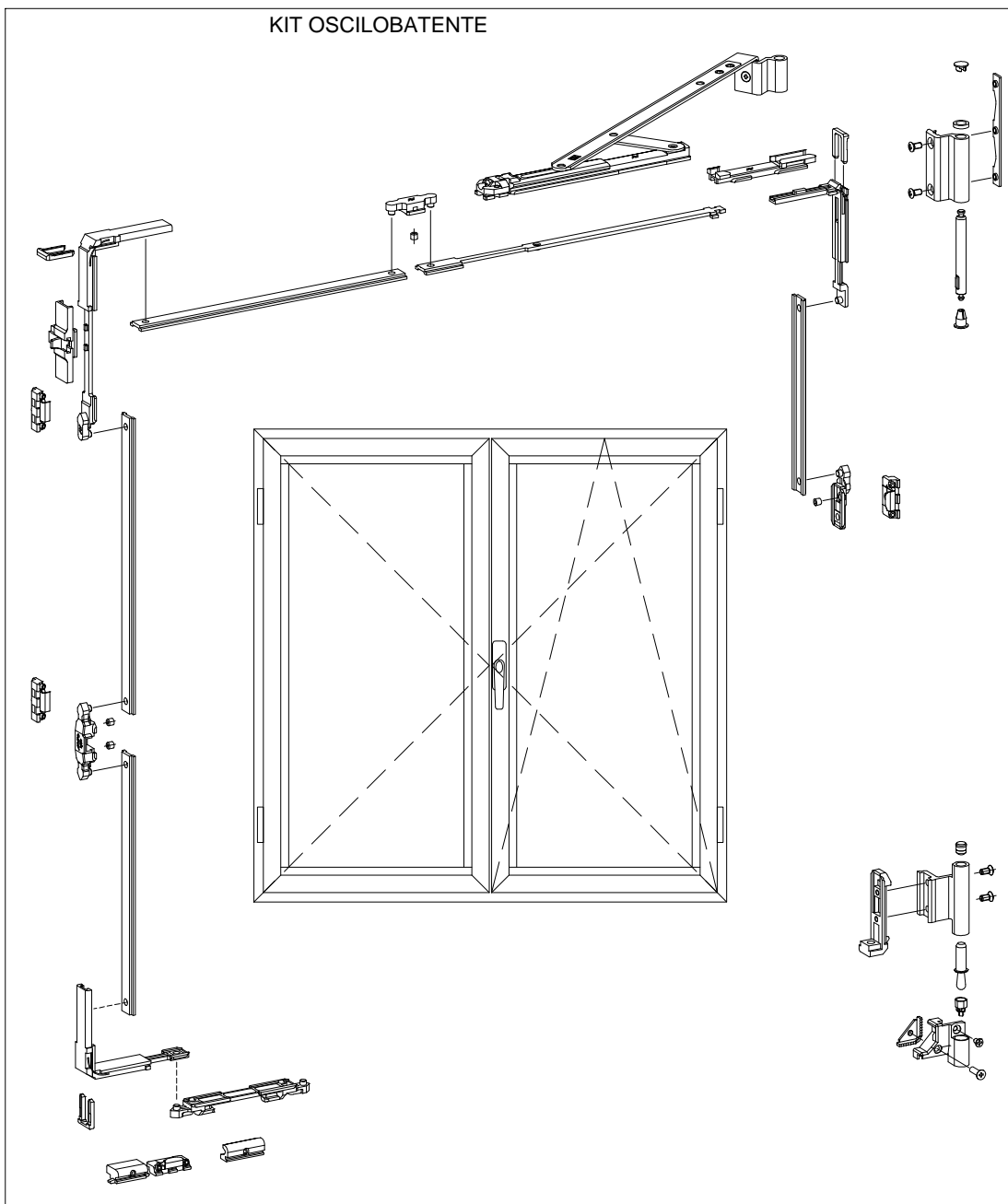
NOTA:

TODAS AS FERRAGENS DEVEM SER MONTADAS DE ACORDO COM OS RESPECTIVOS MANUAIS

ACESSÓRIOS 2ª FOLHA



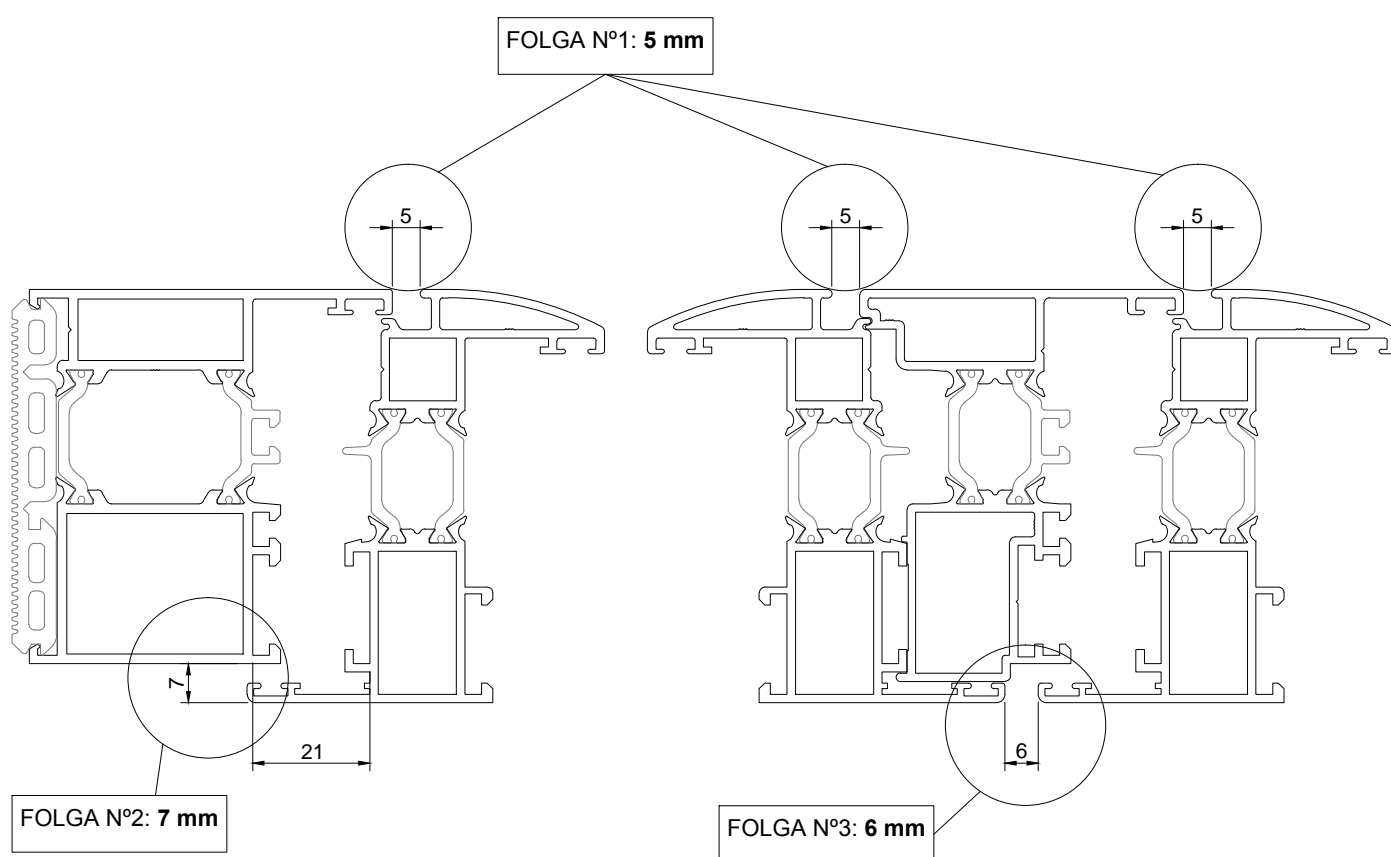
KIT OSCIOBATENTE



VERIFICAÇÃO DE FOLGAS

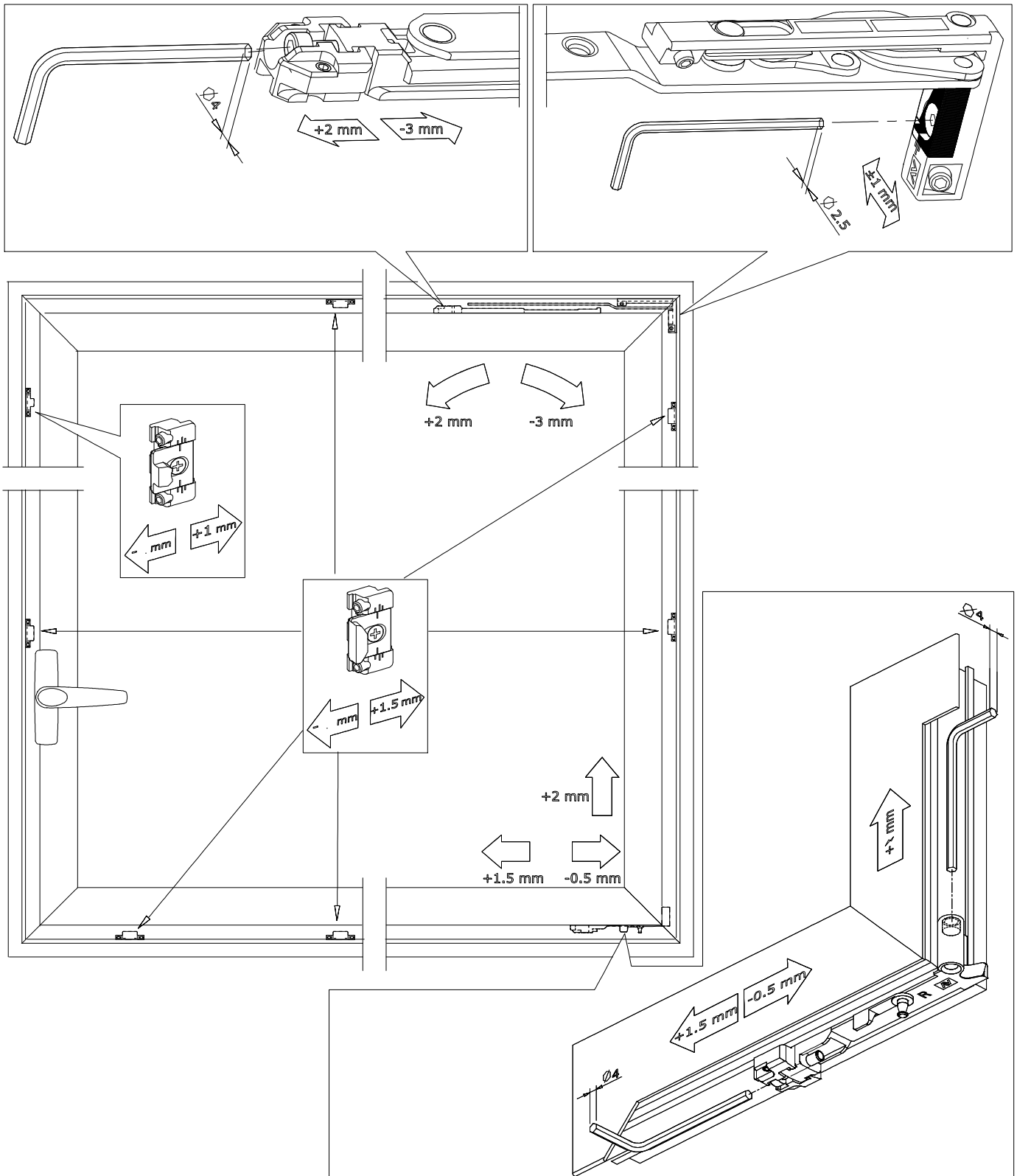
NOTA:

POR NORMA AS FERRAGENS SÃO FORNECIDAS COM AS AFINAÇÕES NO PONTO "0". NO ENTANTO, APÓS A MONTAGEM DAS MESMAS NOS CAIXILHOS DEVEM-SE VERIFICAR AS FOLGAS MAIS IMPORTANTES (FOLGAS Nº1; 2 E 3) E, CASO SEJA NECESSÁRIO, REALIZAR OS DEVIDOS AJUSTES.

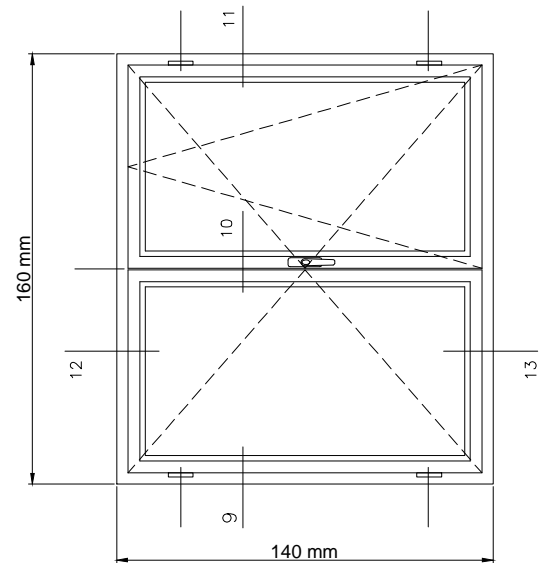
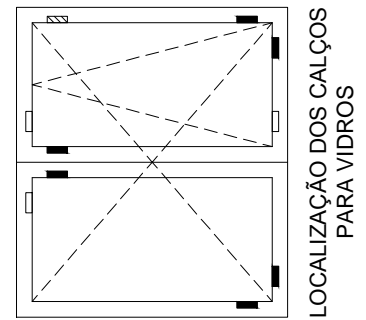
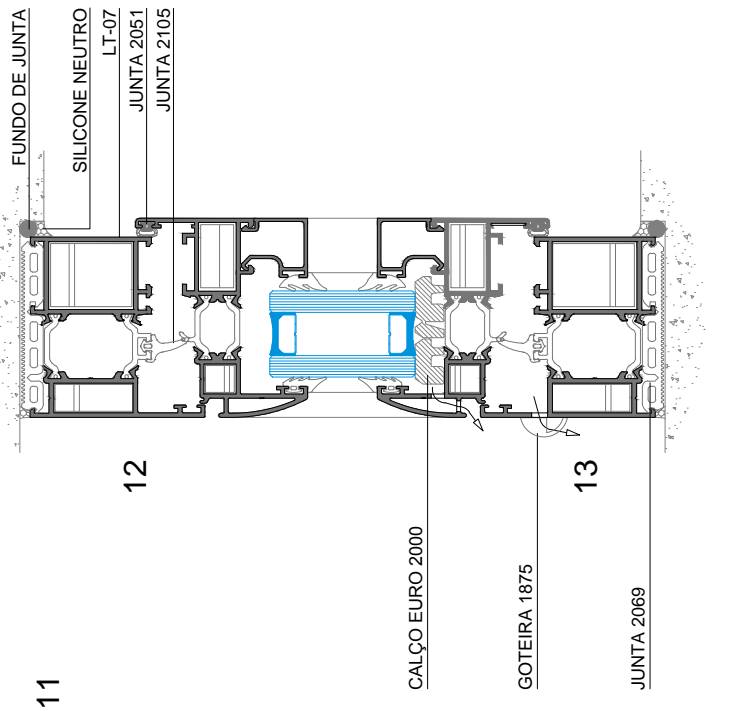
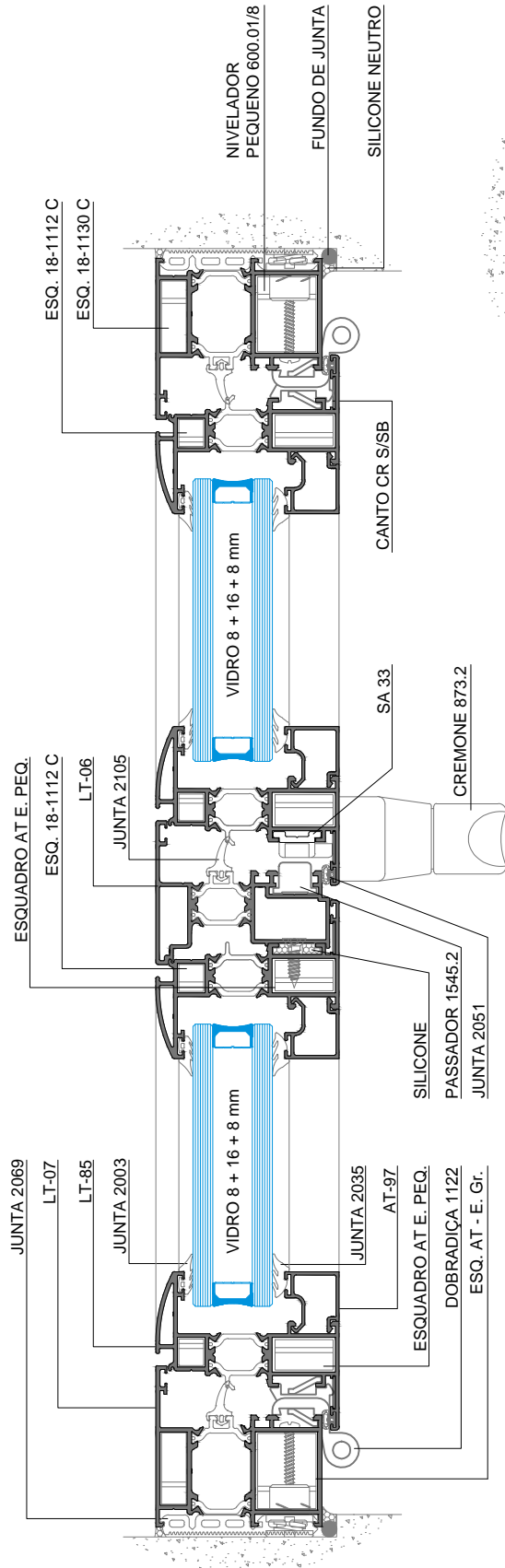


AFINAÇÃO DAS FERRAGENS

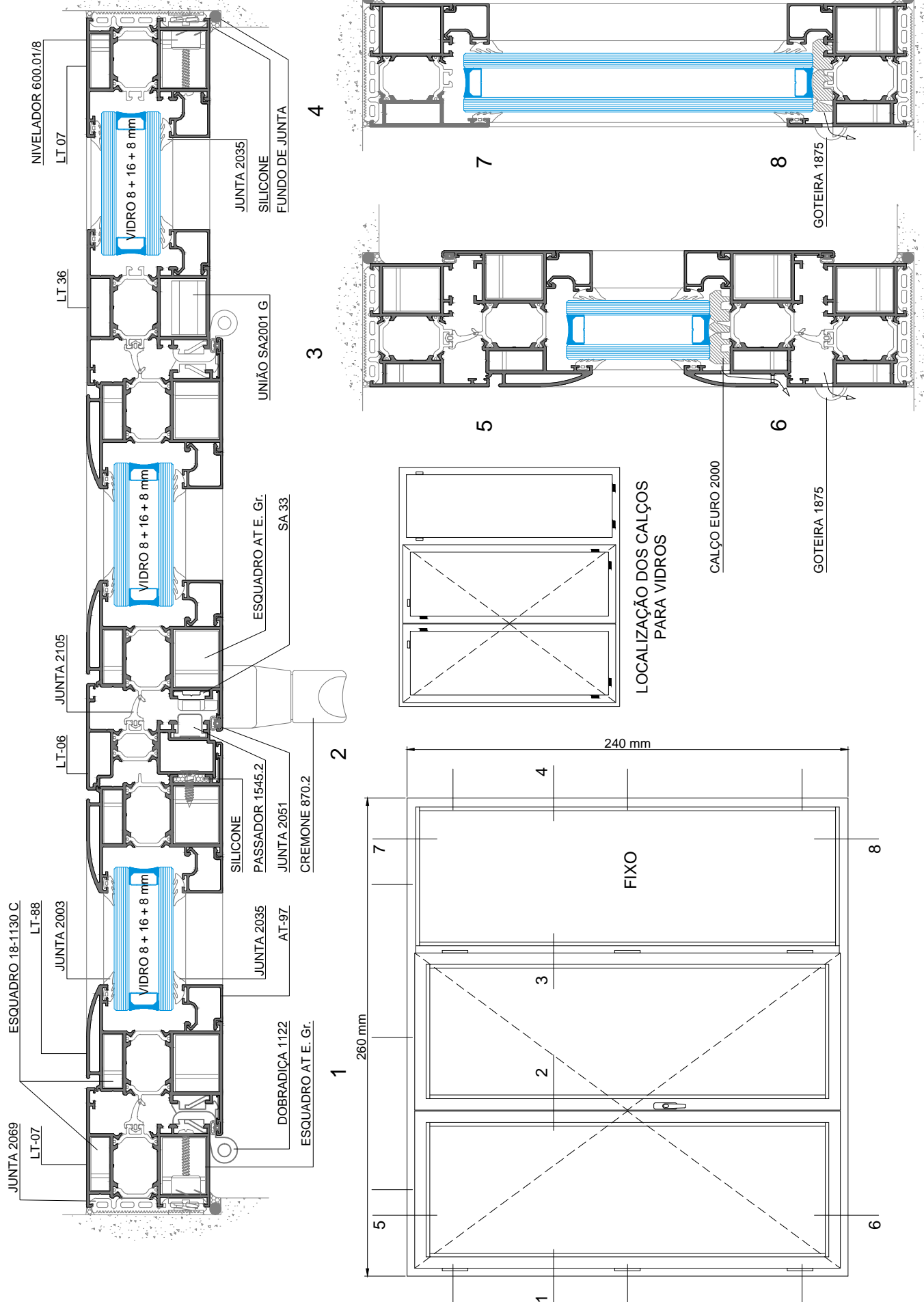
AFINAÇÃO DO KIT OSCILOBATENTE



ITT N°1 - JANELA 2 FOLHAS OSCILOBATENTE



ITT N°2 - JANELA DE SACADA 2 FOLHAS DE BATENTE COM FIXO LATERAL



Este Catálogo Técnico poderá sofrer alterações por motivos técnicos, sem aviso prévio. Qualquer encomenda deverá ser sujeita a confirmação dos nossos serviços.



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