

# ST

sistema de batente de 71mm com corte térmico  
71mm opening system with thermal break  
système d'ouvrant de 71mm à rupture de pont thermique



## CATÁLOGO TÉCNICO

TECHNICAL CATALOGUE | CATALOGUE TECHNIQUE



**SISTEMAS**  
**EURO 2000**®  
PERFIS DE ALUMÍNIO E VIDROS PARA ARQUITECTURA

**sistema de batente de 71mm com corte térmico**  
**71mm opening system with thermal break**  
**système d'ouvrant de 71mm à rupture de pont thermique**

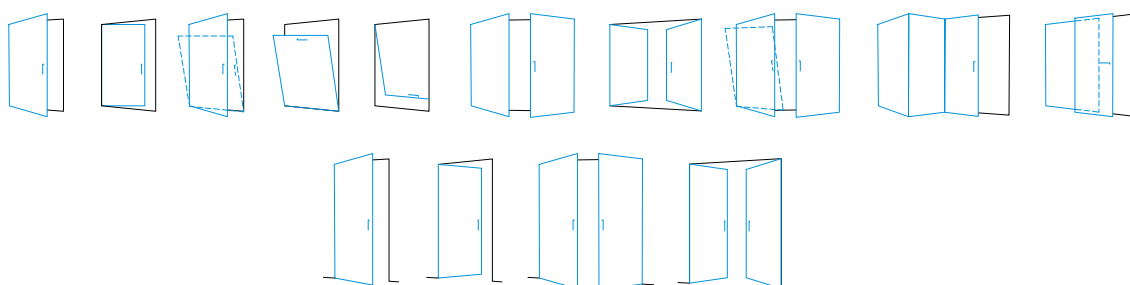


O sistema ST foi projetado para responder às necessidades de grande conforto. A combinação deste sistema com perfis termicamente melhorados com vidros seletivos duplos ou triplos proporciona altas prestações de isolamento térmico e/ou acústico, respondendo assim às maiores exigências da construção sustentável.

The ST system was designed to meet the needs of great comfort. The combination of this system of profiles thermally enhanced with selective double or triple glazing provides high performance of thermal and/or acoustic insulation, thereby responding to the increasing demands of sustainable construction.

Le système ST à été conçu pour répondre aux besoins d'un grand confort. La combinaison de ce système de profils thermiques renforcées avec double ou triple vitrage fournit une isolation de haute performance thermique et/ou acoustique, répondant ainsi aux exigences croissantes de la construction durable.

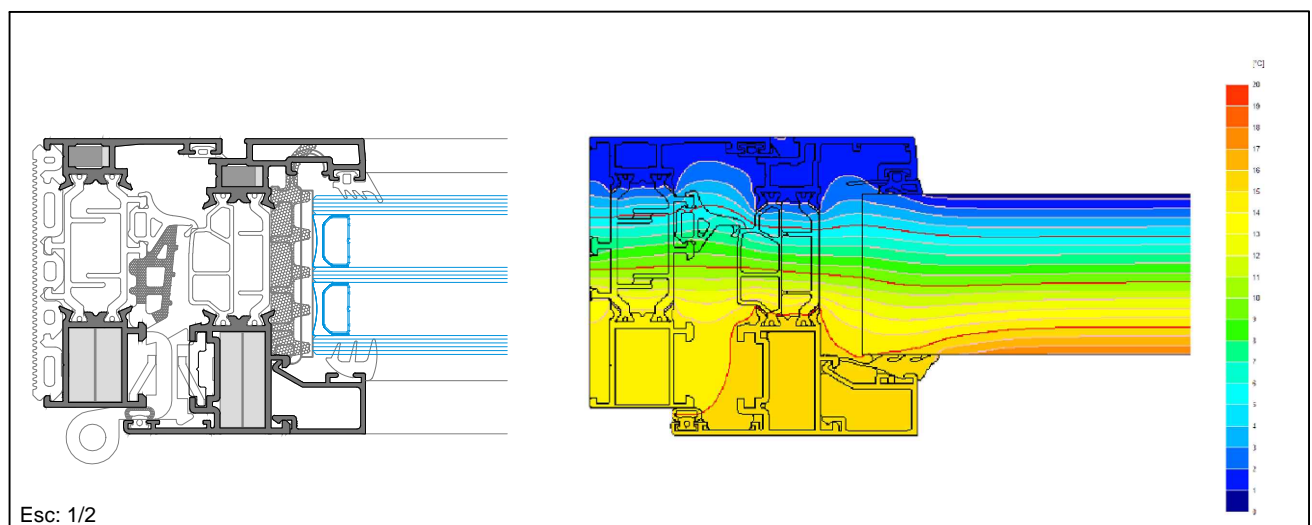
	ST	ST-Ocultas
<b>APRESENTAÇÃO</b> PRESENTATION   PRÉSENTATION	Reta   Oval Straight   Oval Droite   Ovale	Reta Straight Droite
<b>DIMENSÕES</b> DIMENSIONS   DIMENSIONS		
Aro fixo   Fixed frame   Cadre dormant	71mm   77mm	
Aro móvel   Mobile frame   Cadre ouvrant	78mm	70mm
<b>BITES</b> GLAZING BEADS   PARCLOSES		
	Retos   Redondos Straight   Rounds Droites   Arrondies	
<b>ENCHIMENTO</b> FILLING   REMPLISSAGE	De 18 a 54mm (vidro duplo   triplo) From 18 to 54mm (double   triple glazing) De 18 à 54mm (double   triple vitrage)	Máximo 32mm (vidro duplo   triplo) Maximum 32mm (double   triple glazing) Maximale 32mm (double   triple vitrage)
<b>CANAL</b> CHANNEL   CHENAL	Câmara Europeia   Canal 16 European Chamber   Channel 16 Chambre Européenne   Chenal 16	Câmara Europeia European Chamber Chambre Européenne
<b>CORTES</b> CUTS   COUPES	45°   90°	
<b>UNIÕES</b> UNIONS   UNIONS	Exteriores: várias dimensões   Interiores: Esquadros de bloqueio e uniões de travessa Outer: several dimensions   Inner: blocking brackets and transoms unions Extérieures: diverses dimensions   Intérieur: Équerres de verrouillage et unions des traverses	
<b>POLIAMIDA</b> POLYAMIDE   POLIAMYDE	Aro fixo: 24mm   Aro móvel: 20mm Fixed frame   Mobile frame Cadre dormant   Cadre ouvrant	
<b>PESO MÁXIMO</b> MAXIMUM WEIGHT POIDS MAXIMALE	Janela de batente (int./ext. 1 2 folhas) - 150Kg/folha   leaf   vantail Casement (in/out 1 2 leaves) Fenêtre à la Française (int./ext. 1 2 vantaux) Porta (int./ext. 1 2 folhas) - 180Kg/folha   leaf   vantail Door (in/out 1 2 leaves)   Porte (int./ext. 1 2 vantaux) Oscilo-batente (1   2 folhas) - 150Kg/folha   leaf   vantail Tilt-and-turn (1 2 leaves)   Oscillo-battant (1 2 vantaux) Oscilo-paralela - 160Kg/folha   leaf   vantail Tilt and slide   Oscillo-coulissant Projetante - 120Kg/folha   leaf   vantail Awning   à l'italienne Basculante - 70Kg/folha   leaf   vantail Hopper   à Soufflet Harmónio - 80Kg/folha   leaf   vantail Fold   Repliable	Janela de batente 1 2 folhas - 130Kg/folha   leaf   vantail Casement 1 leaf   Fenêtre à la Française 1 vantail Porta 1 2 folhas - 130Kg/folha   leaf   vantail Door 1 2 leaves   Porte 1 2 vantaux Oscilo-batente - 130Kg/folha   leaf   vantail Tilt-and-turn   Oscillo-battant Basculante - 70Kg/folha   leaf   vantail Hopper   à Soufflet
<b>ACABAMENTOS</b> FINISHES   FINITIONS	Lacados   Anodizados   Bicolores Powder coating   Anodizing   Bicolour Laqué   Anodisé   Bicolore	

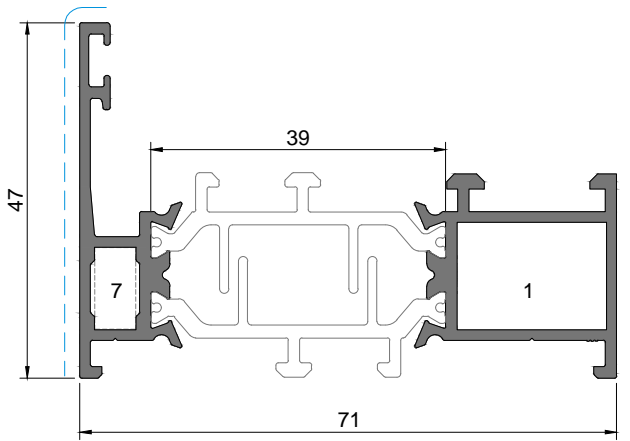


## DESEMPENHO DO SISTEMA

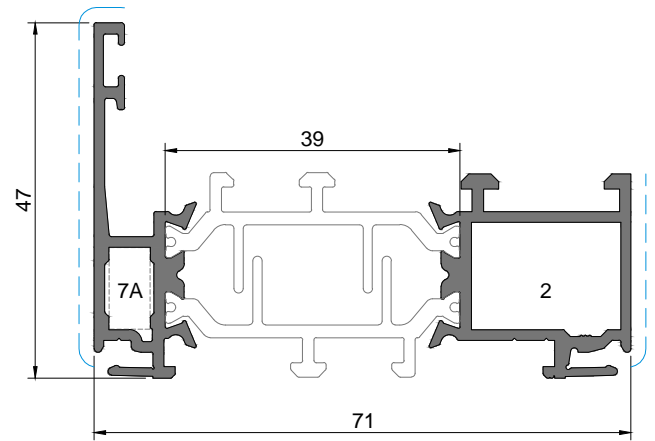
system performance | performance du système

<p><b>Marcação CE</b> CE MARKING Marquage CE NP EN 14351-1</p>	<p><b>Janela 2 folhas com 1,80 x 2,24 m (L x H) - Vidro: 5 + 14 + 4 + 14 + 5 (1 folha batente e 1 folha oscilo-batente)</b> 2 leaves window 1,80x 2,24 m (W x H) - Glass: 5 + 14 + 4 + 14 + 5 (1 casement leaf and 1 tilt and turn leaf) Fenêtre 2 vantaux 1,80 x 2,24 m (L x H) - Verre: 5 + 14 + 4 + 14 + 5 (1 vantail battant et 1 vantail oscilo-battant)</p>
<p><b>Permeabilidade ao AR</b> AIR Permeability   Permeabilité à l'AIR EN 12 207:2000</p>	<p>4</p>
<p><b>Estanquidade à ÁGUA</b> WATER Tightness   Étanchéité à l'EAU EN 12 208:2000</p>	<p>E1350</p>
<p><b>Resistência ao VENTO</b> WIND Resistance   Résistance ao VENT EN 12 210:2000</p>	<p>C5</p>
<p><b>Coef. Transm. TÉRMICA</b> THERMAL Transmittance   Coef. Transm. THERMIQUE UNE-ISO 13947:2005</p>	<p><b>Uw = 1,08 W/m²K</b> Ug = 0,6 W/m²K (Janela de 2 folhas com 1,53m x 2,18m) (2 leaves window   fenêtre 2 vantaux)</p>
<p><b>Isolamento ACÚSTICO</b> ACOUSTIC Insulation   Isolation ACOUSTIQUE NP EN 14351-1:2008 - Anexo B</p>	<p><b>Rw = 48dB</b> Rw (IGU) = 51dB, área ≤ 2,70m² area   aire</p>

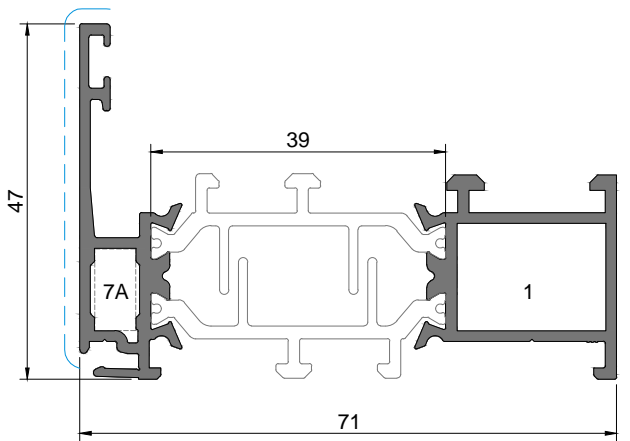




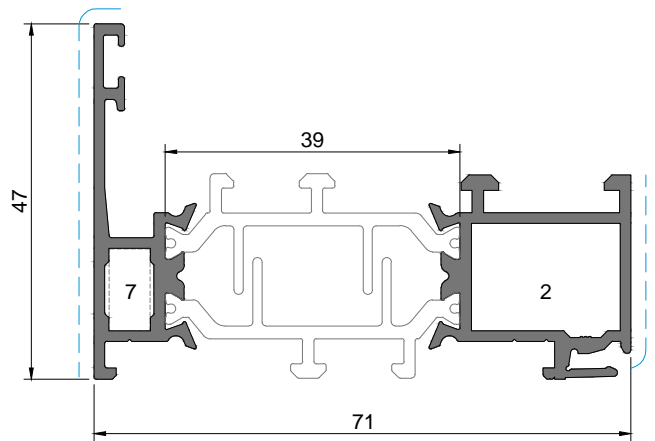
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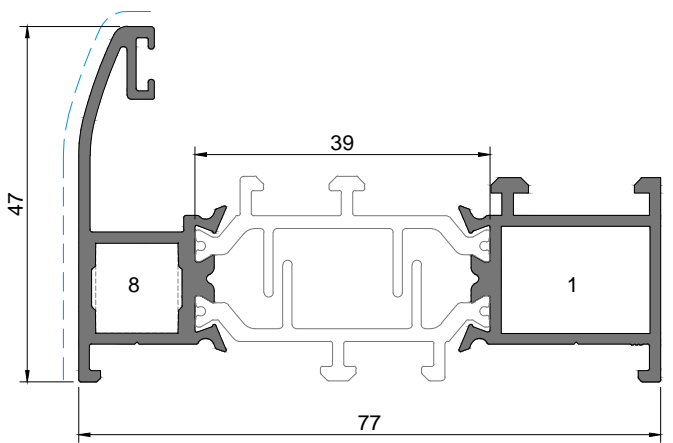
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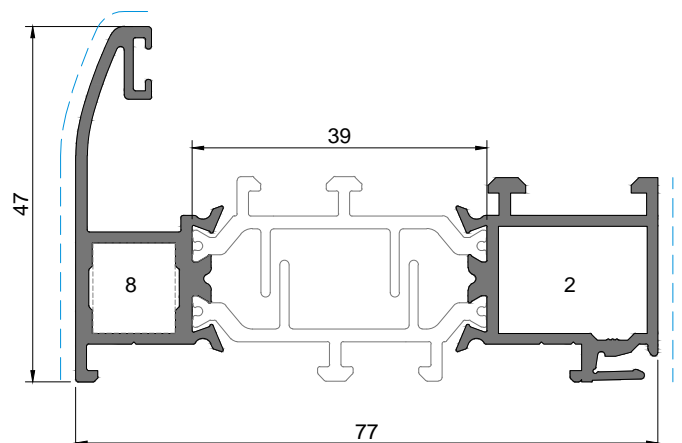
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ST 41



ST 38



ST 28

1 - ESQUADRO IT/ST Nº 1  
6 - ESQUADRO IT/ST Nº 6  
9A - CANTO CR 0182  
14 - ESQUADRO 1108  
18 - UNIÃO TRAVESSA SA 2001 G

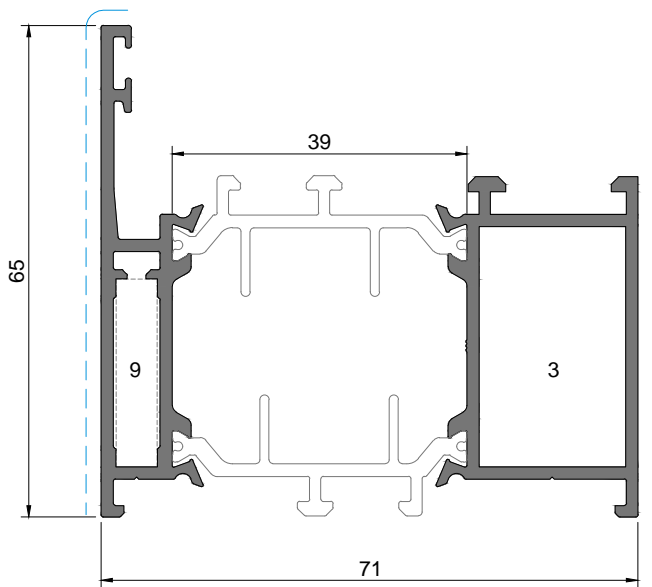
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7 - ESQUADRO 18-0512-C  
10 - ESQUADRO 18-1130-C  
15 - ESQUADRO 26-2537-140  
19 - UNIÃO TRAVESSA SA 2001 XP

3 - ESQUADRO IT/ST Nº 3  
7A - CANTO CR 0018  
11 - ESQ. AT E. GRANDE  
16 - ESQ. 18-2523-C  
20 - ESQ. DE ALINHAMENTO C/APERTO

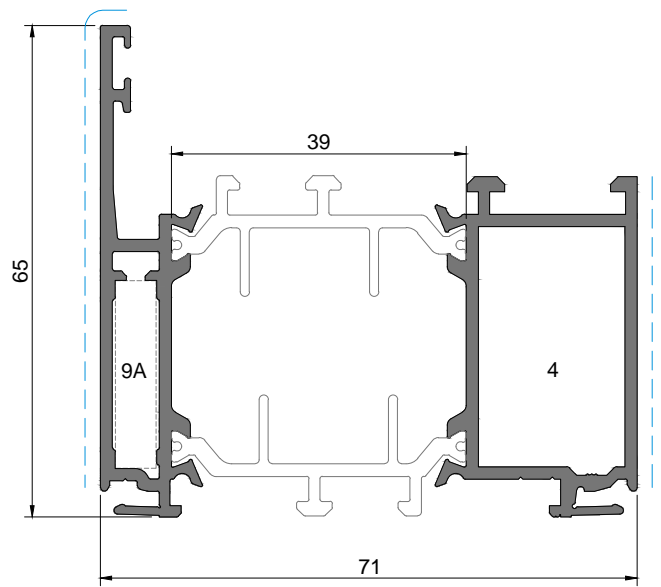
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8 - ESQUADRO 18-1112-C  
12 - ESQ. AT E. PEQUENO  
17 - ESQ. SA 35 CORTADO PEQUENO

5 - ESQUADRO IT/ST Nº 5  
9 - ESQUADRO 18-0525-C  
13 - ESQ. 18-1414-C

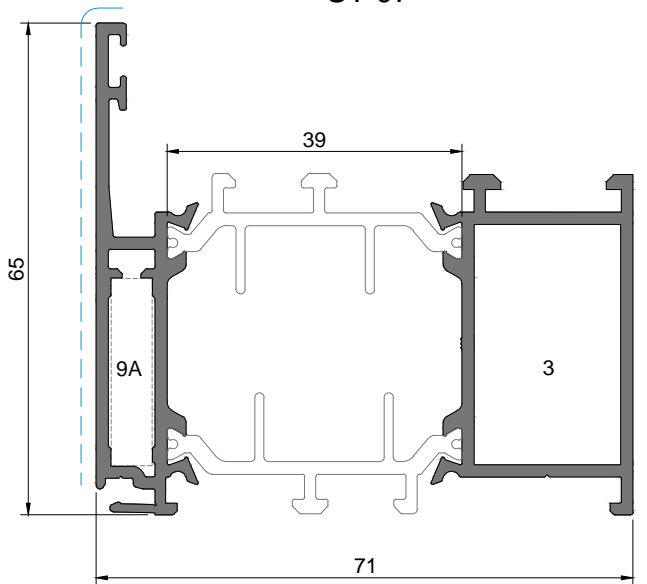




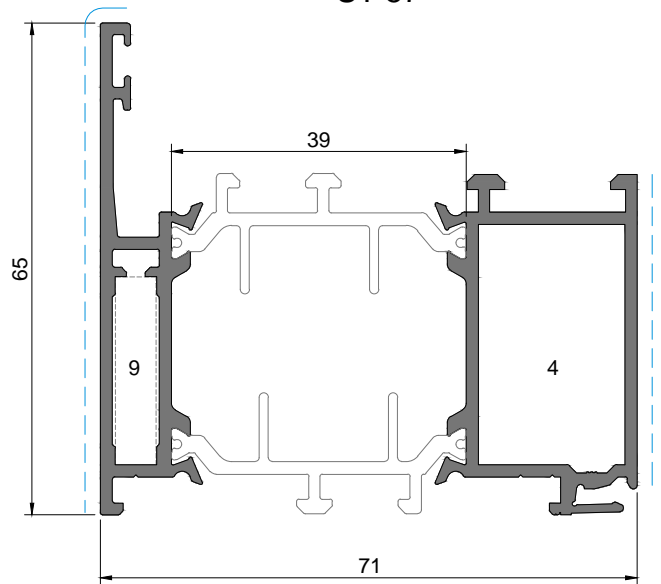
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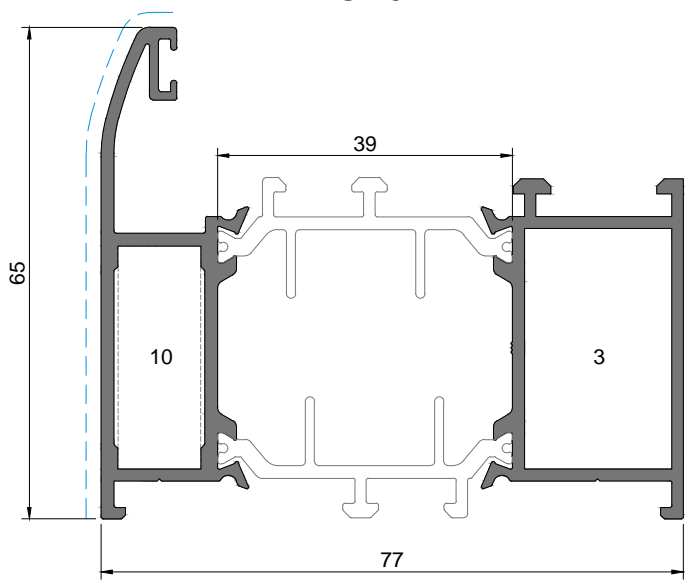
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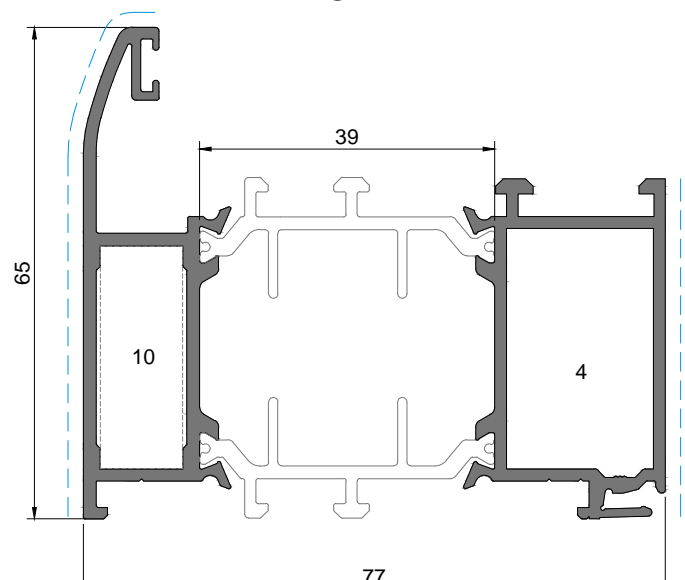
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ST 47



ST 56



ST 69

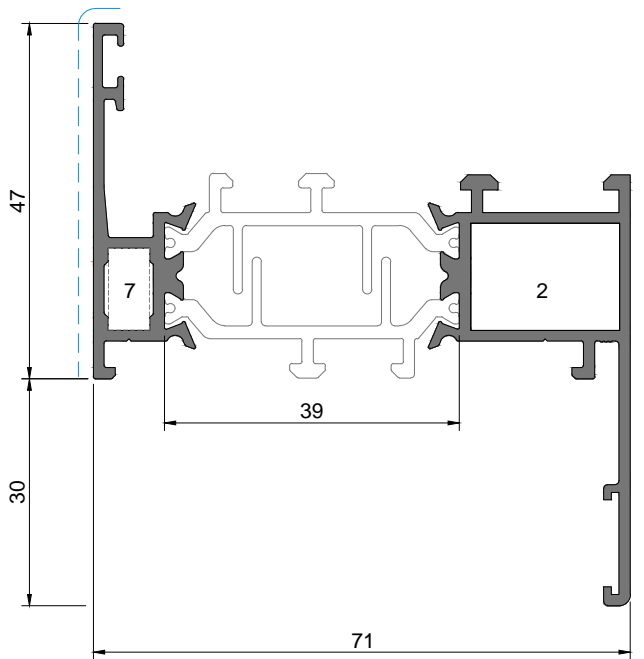
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10 - ESQUADRO 18-1130-C  
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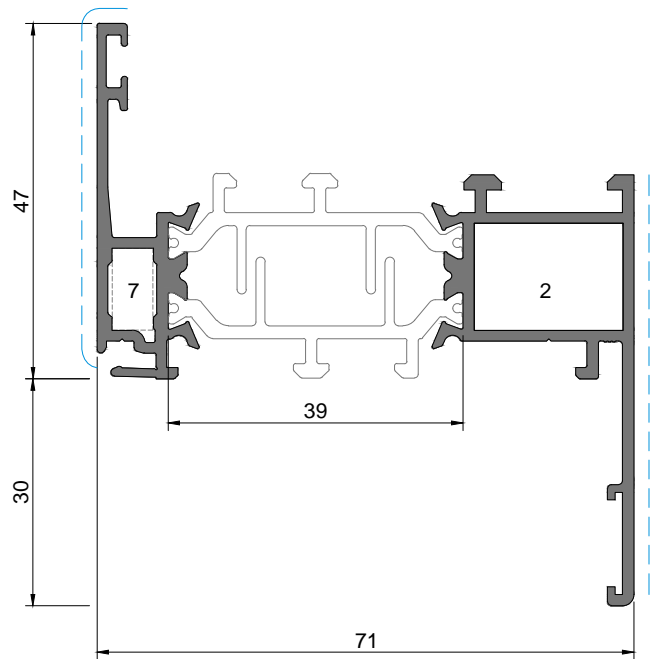
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16 - ESQ. 18-2523-C  
20 - ESQ. DE ALINHAMENTO C/APERTO

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17 - ESQ. SA 35 CORTADO PEQUENO

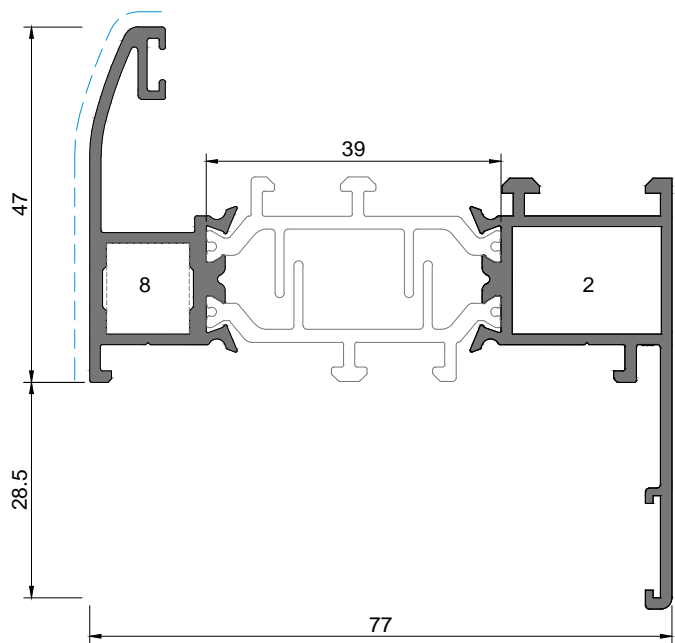
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ST 81



ST 61



ST 21

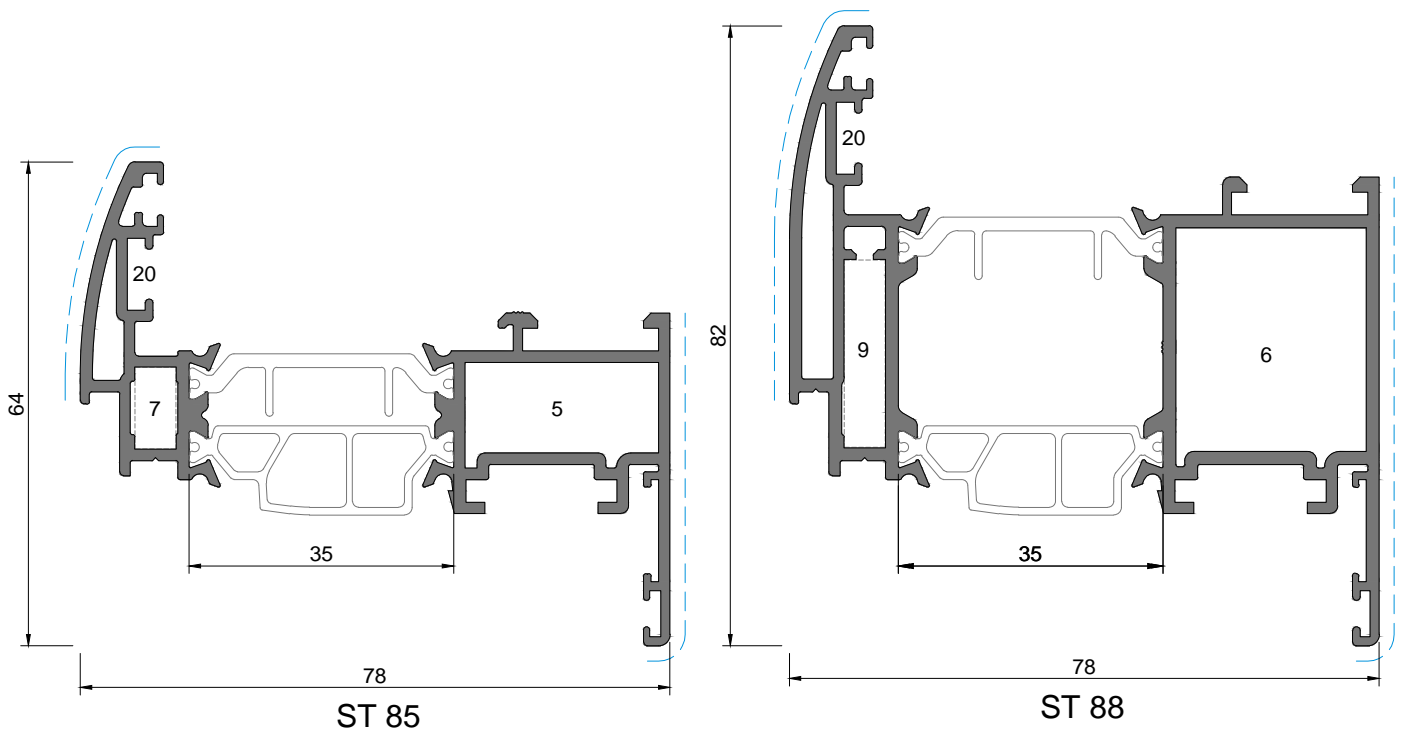
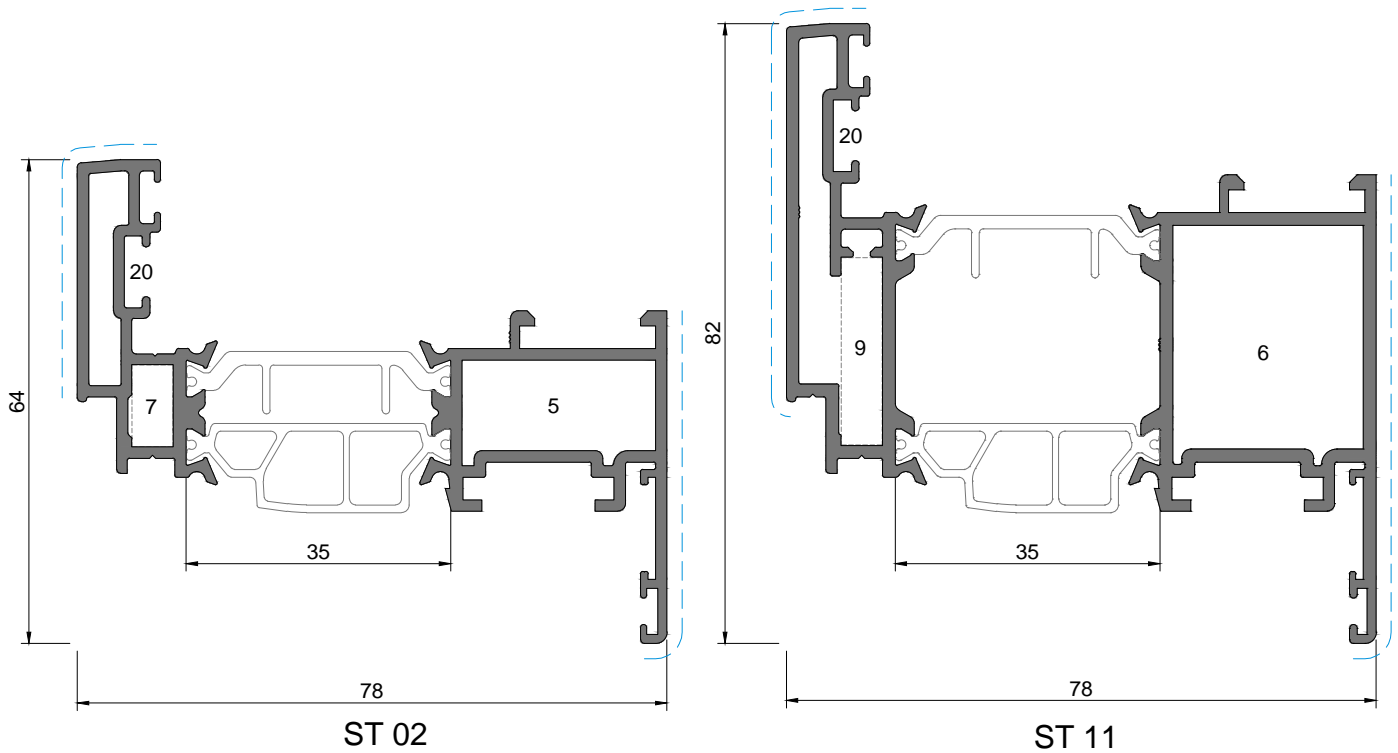
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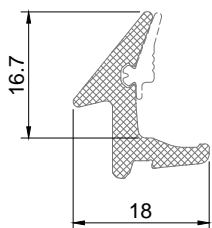
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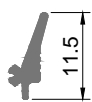
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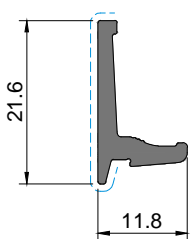
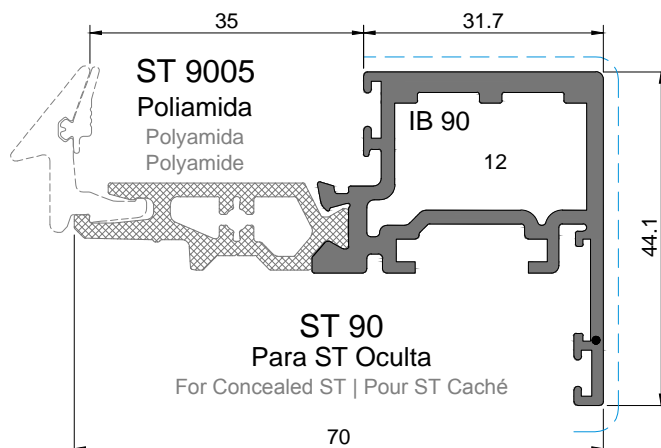
5 - ESQUADRO IT/ST Nº 5  
9 - ESQUADRO 18-0525-C  
13 - ESQ. 18-1414-C



**ST 95**  
Bite em poliamida  
Glazing bead in polyamida  
Parclose en polyamide



VD 2905



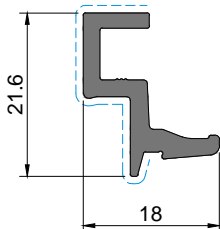
**ST 96**  
Apenas para janelas de 1 folha  
For 1 leaf window only  
Solement pour fenêtres à 1 vantail

**IMPORTANTE | IMPORTANT | AVERTISSEMENT : ST-90**

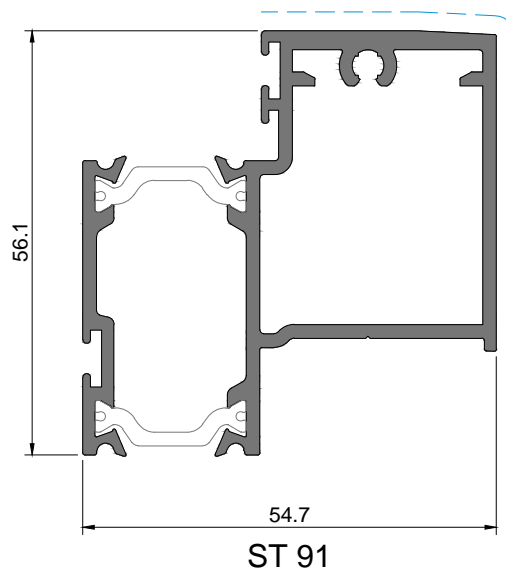
1° - Anodizar/lacar o perfil IB 90;  
2° - Cravar o perfil ST-9005 (poliamida). O perfil ST 9005 não pode ser lacado/anodizado.

1 - Anodize/Powder coat profile IB 90  
2 - Clip profile ST 9005 (polyamide). The profile ST 9005 can not be powder coated/anodized.

1- Anodisé/laqué profil IB 90  
2 - Enforcer profilé ST 9005 (polyamide). Le profilé ST 9005 ne pouvant pas être laqué/anodisé.



**ST 97**  
Apenas para janelas de 1 folha  
For 1 leaf window only  
Solement pour fenêtres à 1 vantail



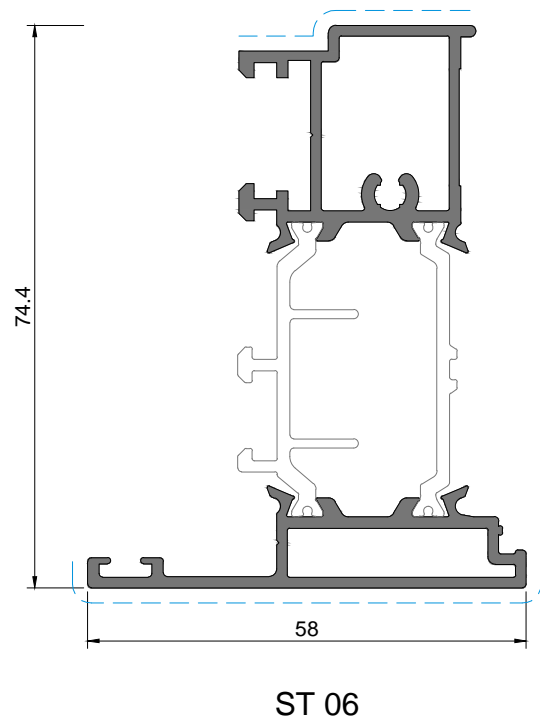
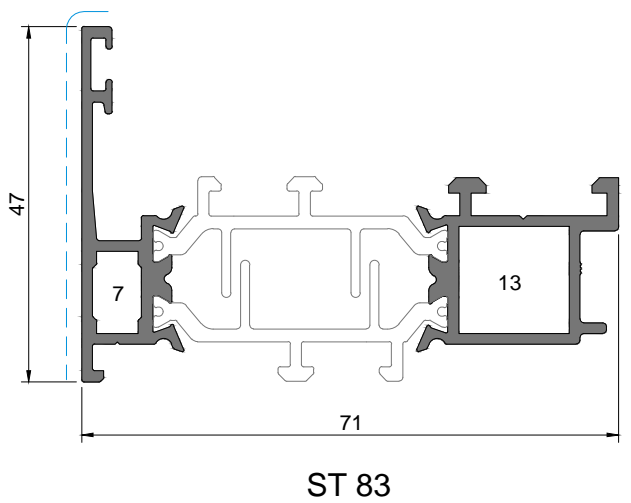
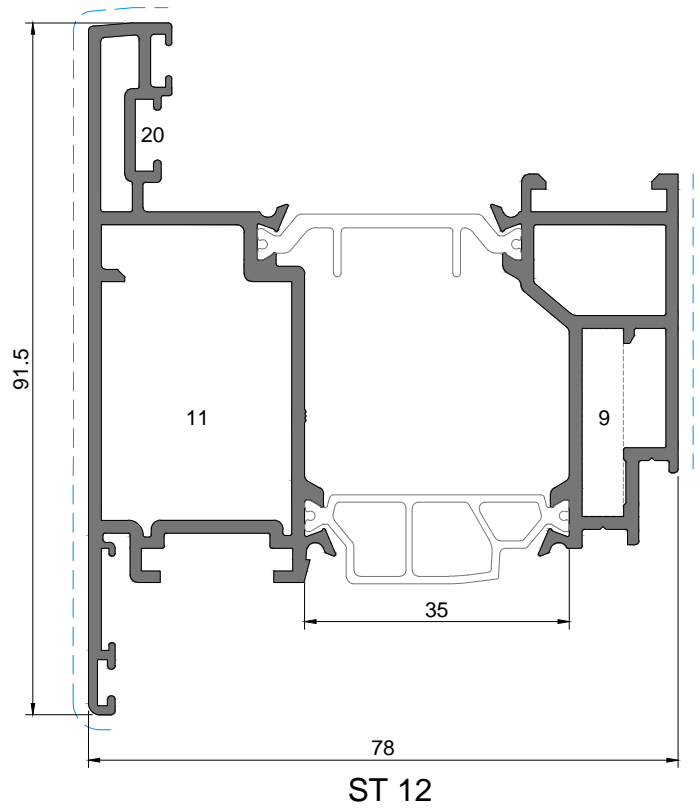
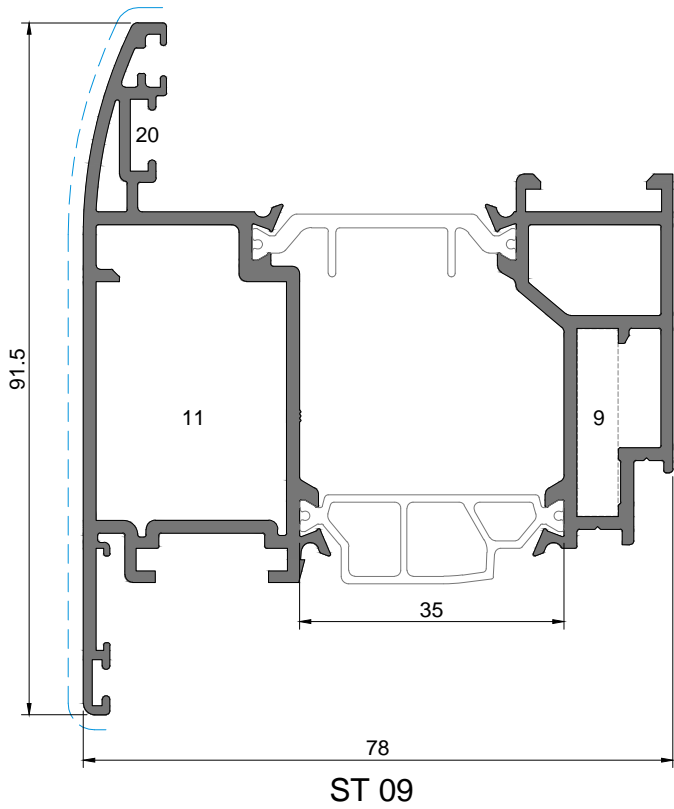
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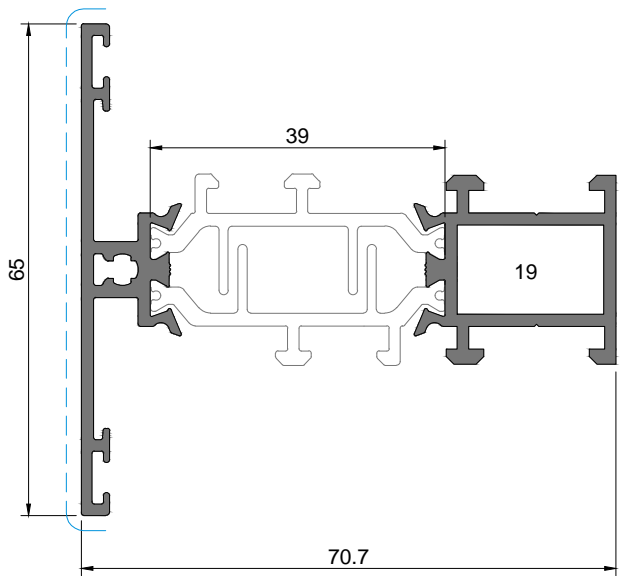
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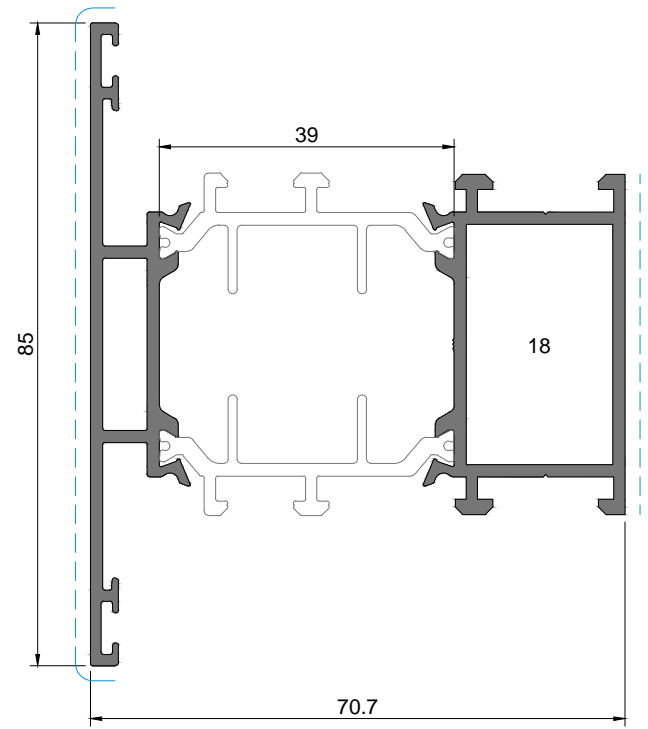
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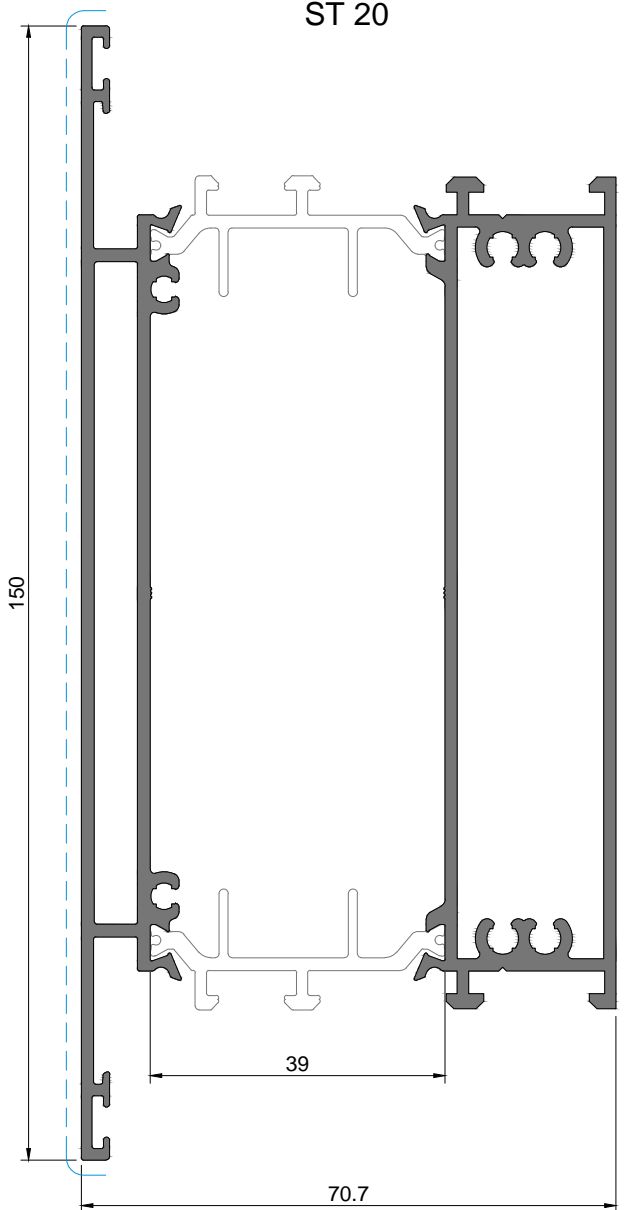




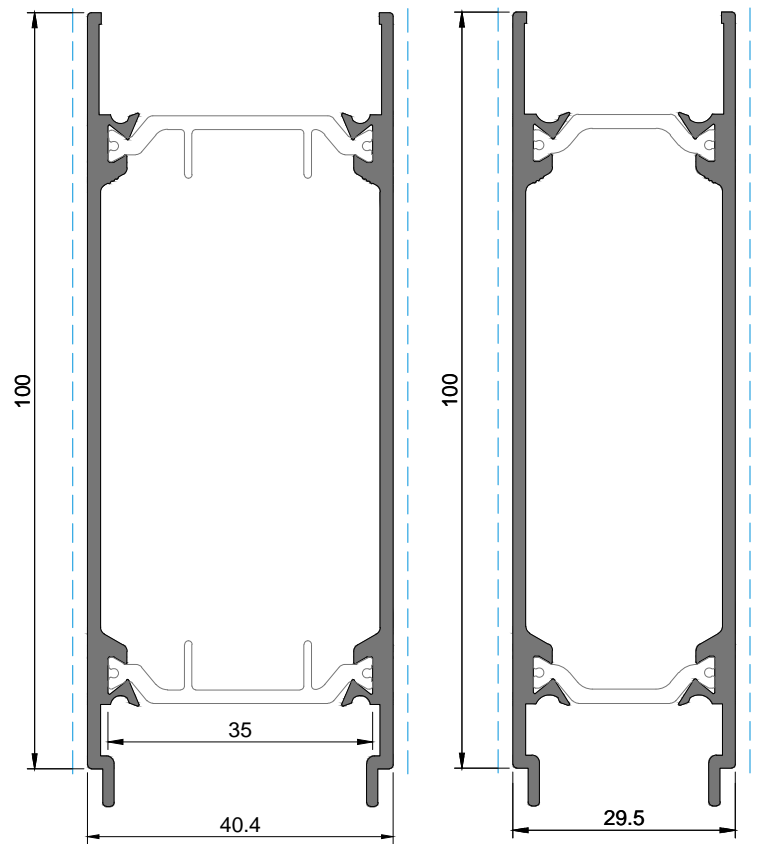
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ST 36



ST 14



ST 16

LT 16

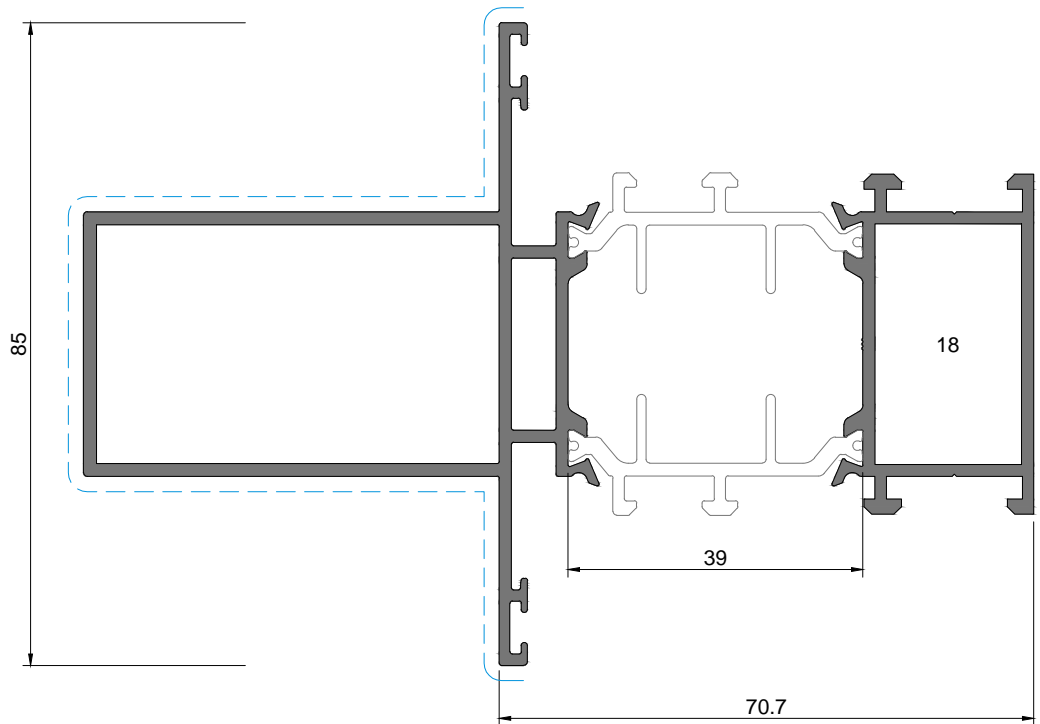
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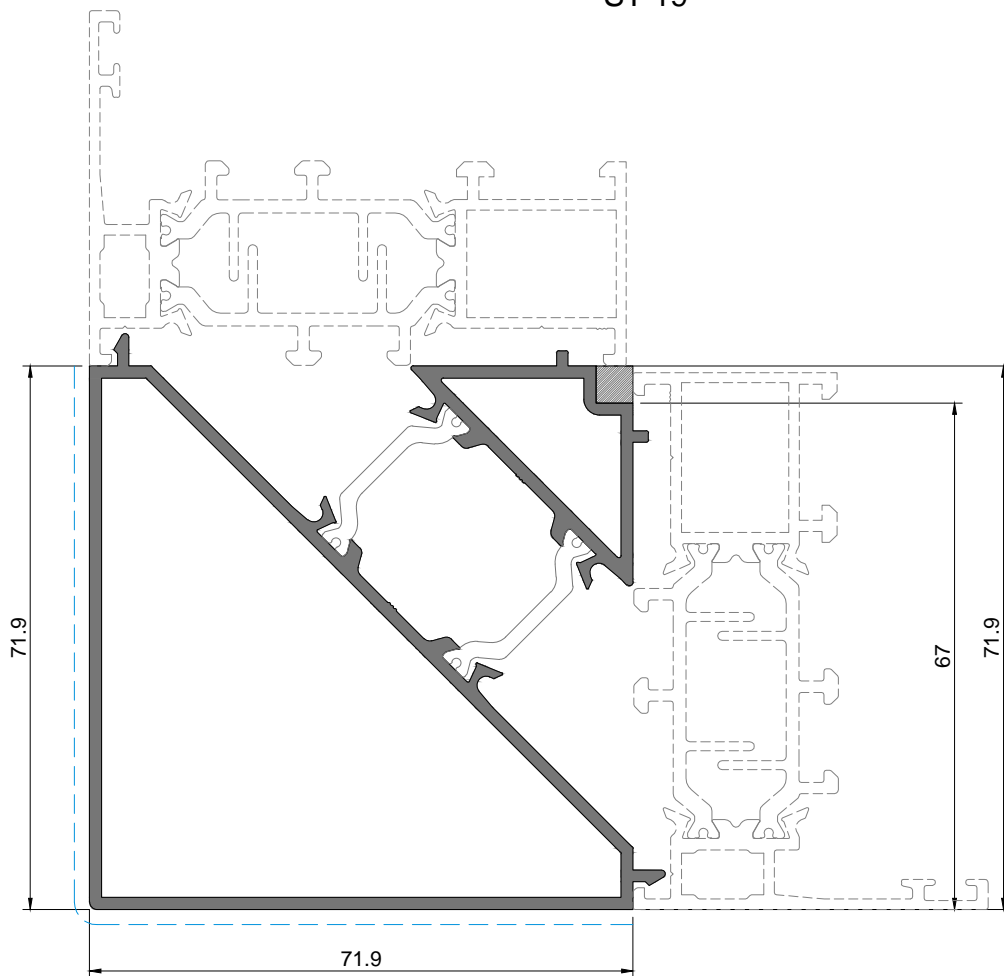
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ST 19



LT 55

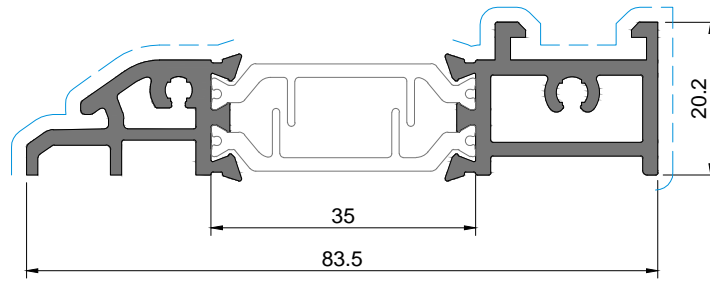
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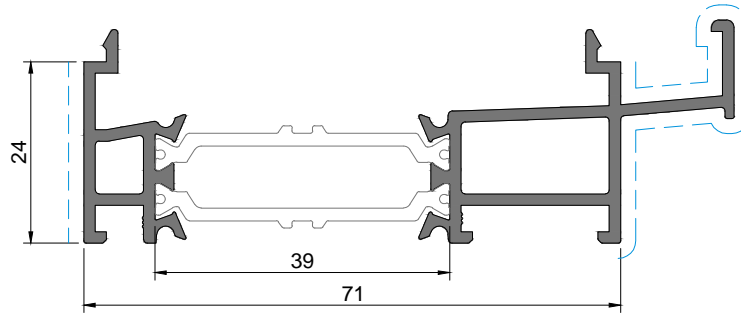
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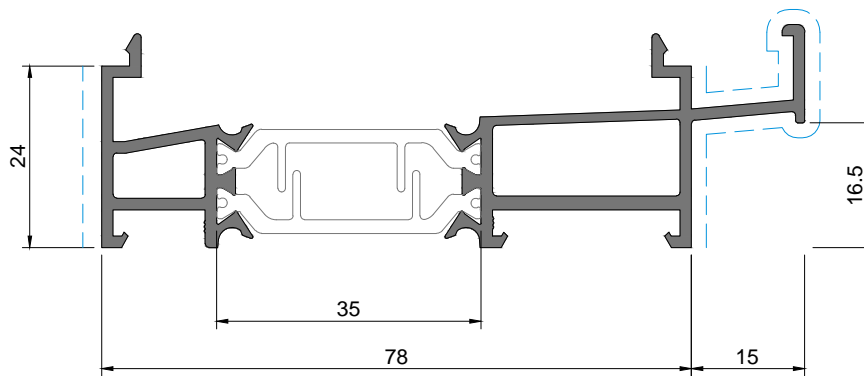
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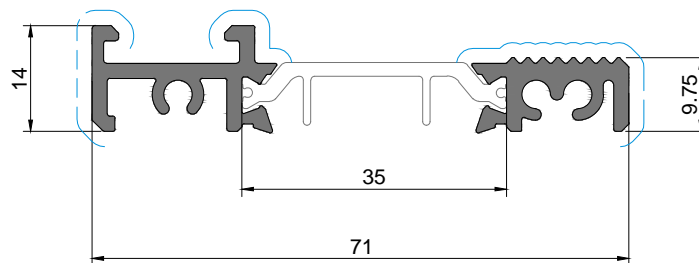
ST 49



ST 27



ST 76



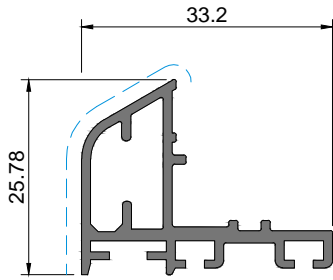
ST 34

1 - ESQUADRO IT/ST Nº 1  
6 - ESQUADRO IT/ST Nº 6  
9A - CANTO CR 0182  
14 - ESQUADRO 1108  
18 - UNIÃO TRAVESSA SA 2001 G

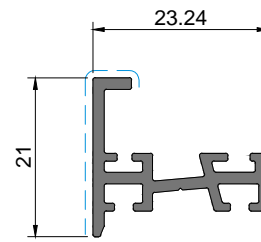
2 - ESQUADRO IT/ST Nº 2  
7 - ESQUADRO 18-0512-C  
10 - ESQUADRO 18-1130-C  
15 - ESQUADRO 26-2537-140  
19 - UNIÃO TRAVESSA SA 2001 XP

3 - ESQUADRO IT/ST Nº 3  
7A - CANTO CR 0018  
11 - ESQ. AT E. GRANDE  
16 - ESQ. 18-2523-C  
20 - ESQ. DE ALINHAMENTO C/APERTO

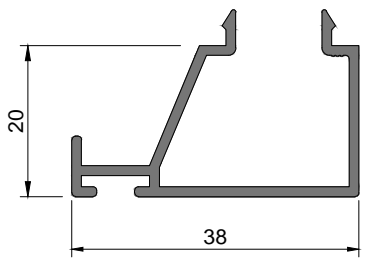
4 - ESQUADRO IT/ST Nº 4  
8 - ESQUADRO 18-1112-C  
12 - ESQ. AT E. PEQUENO  
17 - ESQ. SA 35 CORTADO PEQUENO  
5 - ESQUADRO IT/ST Nº 5  
9 - ESQUADRO 18-0525-C  
13 - ESQ. 18-1414-C



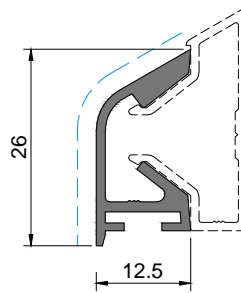
IT 32



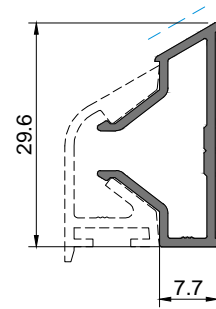
IT 33



AT 59



SA 32



SA 31

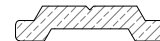


LT 33

Usar com a Ferragem *Ribanta 5*  
Use with Hardware *Ribanta 5*  
Utiliser avec ferrure *Ribanta 5*



SA 33



AT 33

PERFIL EM POLIAMIDA - Não utilizar em ferragens Oscilo-batentes e/ou Oscilo-paralela  
PROFILE IN POLYAMIDE - Do not use in Tilt and turn and/or Tilt and slide hardware  
PROFILÉ EN POLYAMIDE - Ne pas utiliser dans les ferrures Oscillo-battant et/ou Oscillo-coulissant

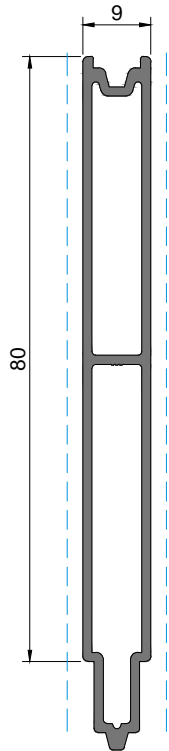
- 1 - ESQUADRO IT/ST Nº 1
- 6 - ESQUADRO IT/ST Nº 6
- 9A - CANTO CR 0182
- 14 - ESQUADRO 1108
- 18 - UNIÃO TRAVESSA SA 2001 G

- 2 - ESQUADRO IT/ST Nº 2
- 7 - ESQUADRO 18-0512-C
- 10 - ESQUADRO 18-1130-C
- 15 - ESQUADRO 26-2537-140
- 19 - UNIÃO TRAVESSA SA 2001 XP

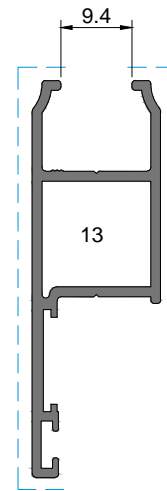
- 3 - ESQUADRO IT/ST Nº 3
- 7A - CANTO CR 0018
- 11 - ESQ. AT E. GRANDE
- 16 - ESQ. 18-2523-C
- 20 - ESQ. DE ALINHAMENTO C/APERTO

- 4 - ESQUADRO IT/ST Nº 4
- 8 - ESQUADRO 18-1112-C
- 12 - ESQ. AT E. PEQUENO
- 17 - ESQ. SA 35 CORTADO PEQUENO

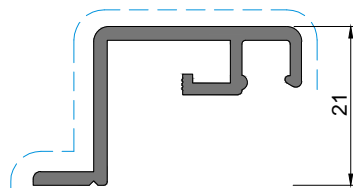
- 5 - ESQUADRO IT/ST Nº 5
- 9 - ESQUADRO 18-0525-C
- 13 - ESQ. 18-1414-C



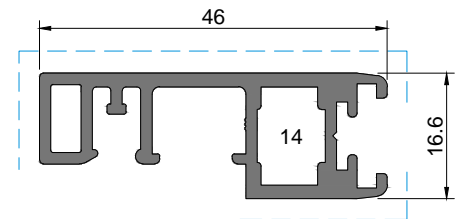
SB 64



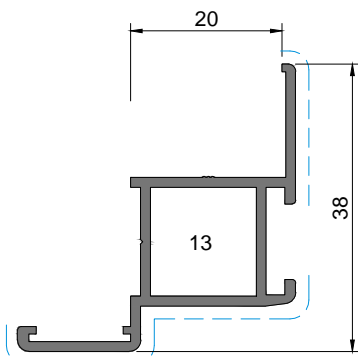
SB 63



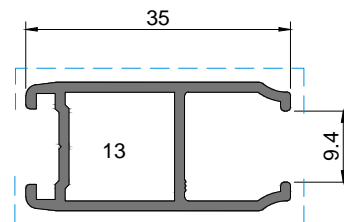
PB 32



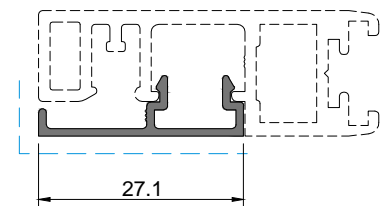
KY 86



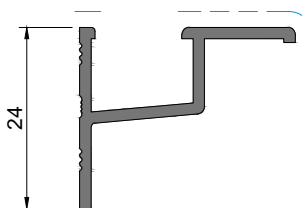
KY 69



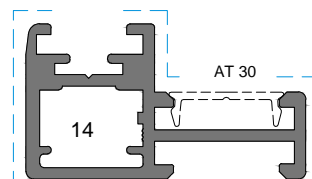
KY 70



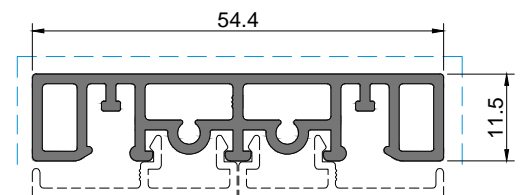
KY 87



KY 97



KY 84



KY 89

1 - ESQUADRO IT/ST Nº 1  
6 - ESQUADRO IT/ST Nº 6  
9A - CANTO CR 0182  
14 - ESQUADRO 1108  
18 - UNIÃO TRAVESSA SA 2001 G

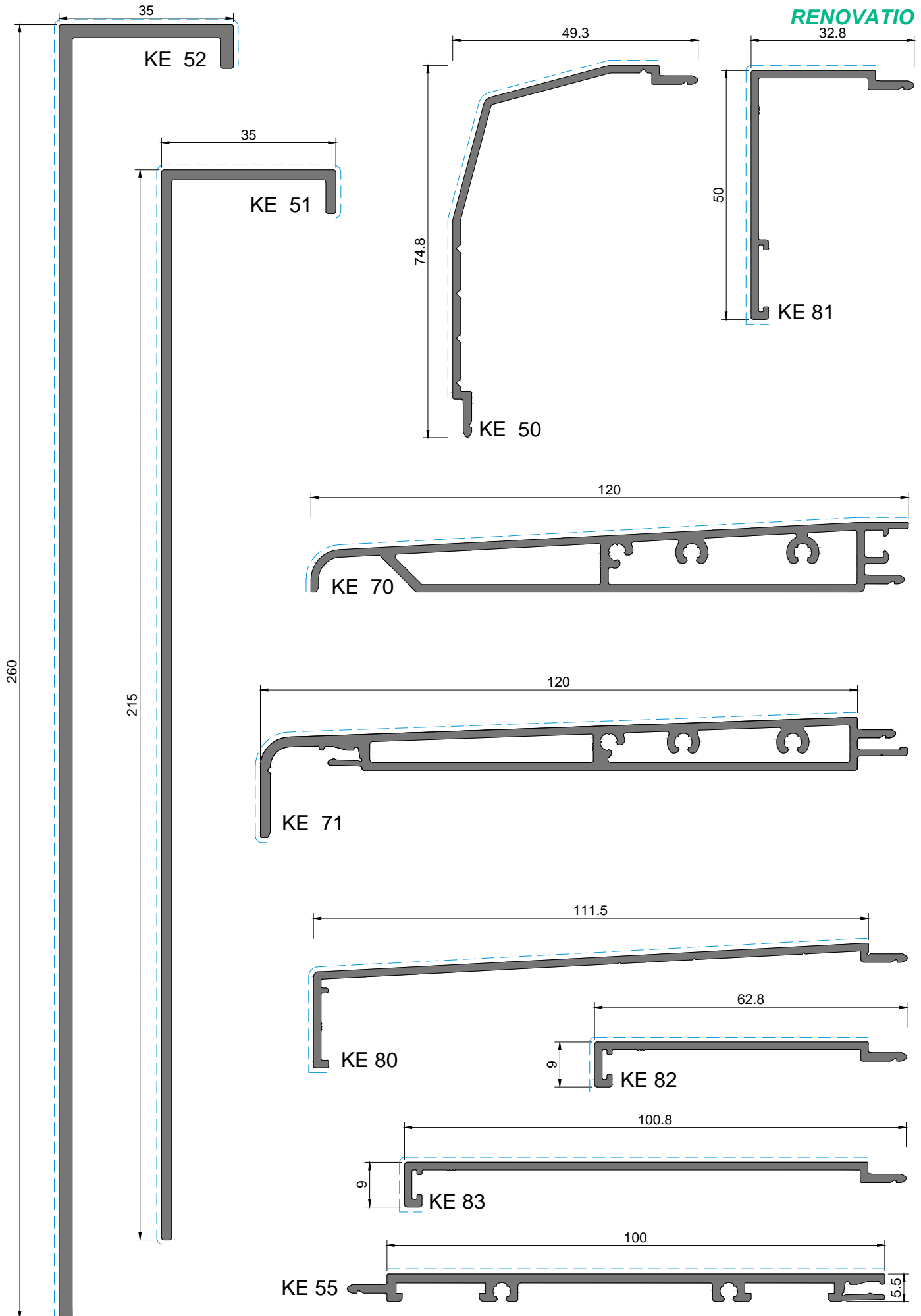
2 - ESQUADRO IT/ST Nº 2  
7 - ESQUADRO 18-0512-C  
10 - ESQUADRO 18-1130-C  
15 - ESQUADRO 26-2537-140  
19 - UNIÃO TRAVESSA SA 2001 XP

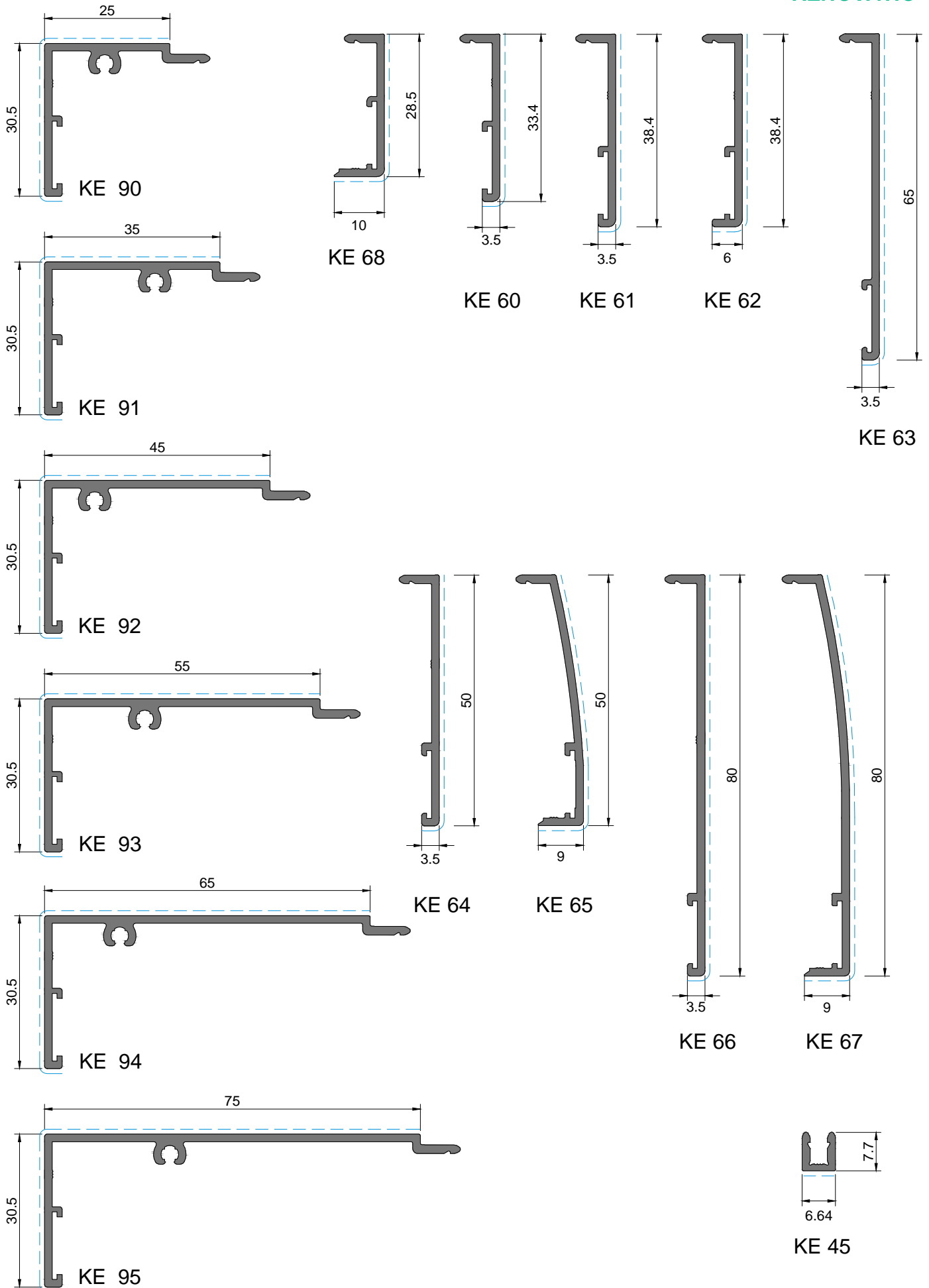
3 - ESQUADRO IT/ST Nº 3  
7A - CANTO CR 0018  
11 - ESQ. AT E. GRANDE  
16 - ESQ. 18-2523-C  
20 - ESQ. DE ALINHAMENTO C/APERTO

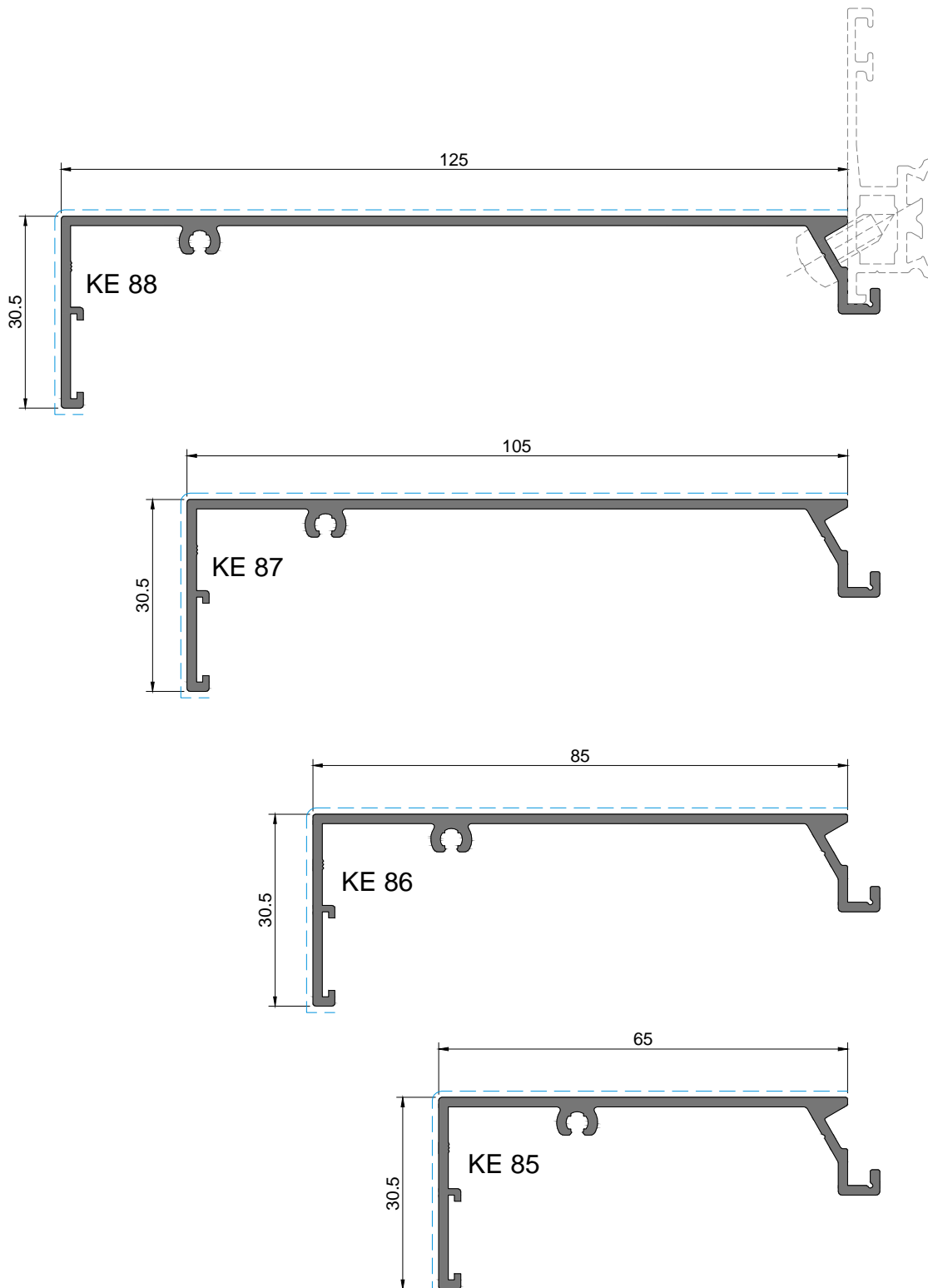
4 - ESQUADRO IT/ST Nº 4  
8 - ESQUADRO 18-1112-C  
12 - ESQ. AT E. PEQUENO  
17 - ESQ. SA 35 CORTADO PEQUENO

5 - ESQUADRO IT/ST Nº 5  
9 - ESQUADRO 18-0525-C  
13 - ESQ. 18-1414-C

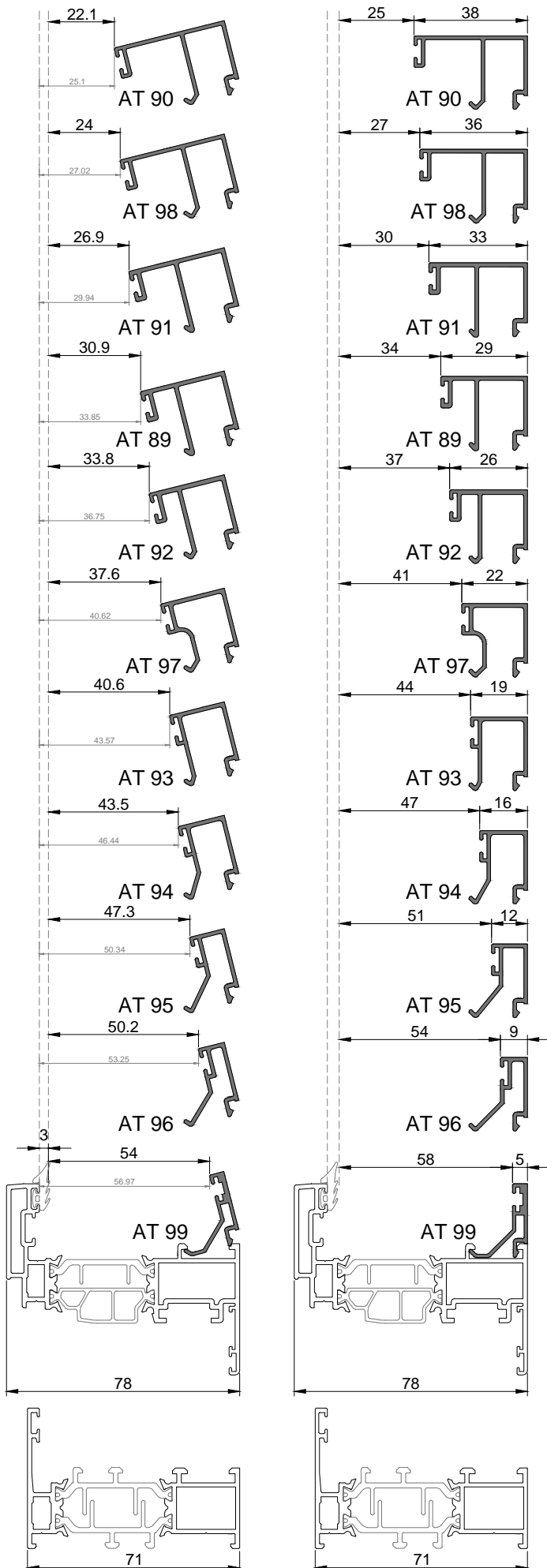








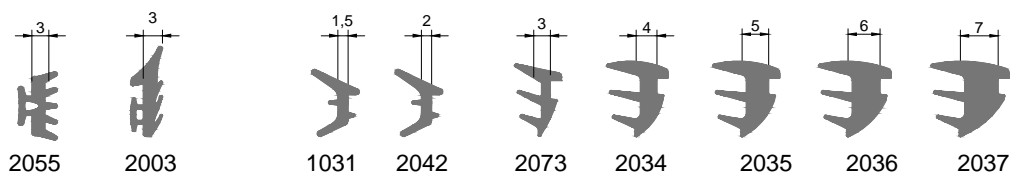
**TABELA ORIENTATIVA**  
GLAZING BEADS | PARCLOSES



Profile	Dimension (mm)
SB 92	26
SA 92	26
SA 97	22
SA 93	19
SB 93	19
SA 94	16
SB 94	16
SA 95	12
SB 95	12
SA 96	9
SB 96	9

**MOLA EURO 2000** Ref.: 228165  
Para aplicar com os bites com referência SA Lacados  
To apply with glazing beads withreference SA Powder coated  
Pour appliquer avec les parclose avec référence SA Laqué

**PRESELHA SA 71 Alumínio** Ref.: 207202  
Para aplicar com os bites com referência SA  
To apply with glazing beads withreference SA  
Pour appliquer avec les parclose avec référence SA



**TABELA DE BITES**

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

GLAZING BEADS SCHEDULE

Sosoares Group advises always to use VD 2003 sealant on the outer side

TABLE DES PARCLOSES

Le Groupe Sosoares recommande toujours l'utilisation du joint VD 2003 par l'extérieur

VEDANTE EXTERIOR OUTER GASKET JOINT EXTÉRIEUR	ESPESSURA DO VIDRO GLASS THICKNESS ÉPAISSEUR DU VERRE	VEDANTE INTERIOR INNER GASKET JOINT INTÉRIEUR	BITES GLAZING BEADS   PARCLOSES	
			RETO STRAIGHT   DROITE	REDONDO ROUND   ARRONDIE
2003	18	2037	AT 90	
2003	19	2036	AT 90	
2003	20	2035	AT 90	
2003	21	2034	AT 90	
2003	22	2073	AT 90	
2003	23	2034	AT 98	
2003	24	2073	AT 98	
2003	25	2035	AT 91	
2003	26	2034	AT 91	
2003	27	2073	AT 91	
2003	28	2036	AT 89	
2003	29	2035	AT 89	
2003	30	2034	AT 89	
2003	31	2073	AT 89	
2003	32	2035	AT 92	SA/SB 92
2003	33	2034	AT 92	SA/SB 92
2003	34	2073	AT 92	SA/SB 92
2003	35	2036	AT 97	SA 97
2003	36	2035	AT 97	SA 97
2003	37	2034	AT 97	SA 97
2003	38	2073	AT 97	SA 97
2003	39	2035	AT 93	SA/SB 93
2003	40	2034	AT 93	SA/SB 93
2003	41	2073	AT 93	SA/SB 93
2003	42	2034	AT 94	SA/SB 94
2003	43	2034	AT 94	SA/SB 94
2003	44	2034	AT 94	SA/SB 94
2003	45	2036	AT 95	SA/SB 95
2003	46	2035	AT 95	SA/SB 95
2003	47	2034	AT 95	SA/SB 95
2003	48	2036	AT 96	SA/SB 96
2003	49	2035	AT 96	SA/SB 96
2003	50	2034	AT 96	SA/SB 96
2003	51	2037	AT 99	
2003	52	2036	AT 99	
2003	53	2035	AT 99	
2003	54	2034	AT 99	

**TABELA DE VEDANTES - ST-Oculta - Com bite ST 96 ou ST 97**

GASKETS SCHEDULE - Concealed ST - With glazing bead ST 96 or ST 97

TABLE DES JOINTS - ST-Caché - Avec parclose ST 96 or ST 97

VEDANTE EXTERIOR OUTER GASKET JOINT EXTÉRIEUR	ESPESSURA DO VIDRO GLASS THICKNESS ÉPAISSEUR DU VERRE	VEDANTE INTERIOR INNER GASKET JOINT INTÉRIEUR
2037	28	2055
2036	29	2055
2035	30	2055
2034	31	2055
2073	32	2055

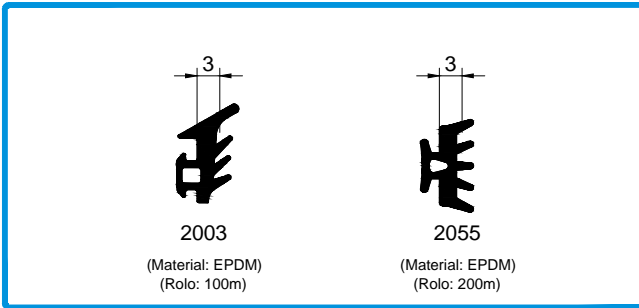
**TABELA DE VEDANTES - ST-Oculta - Com bite ST 95**

GASKETS SCHEDULE - Concealed ST - With glazing bead ST 95

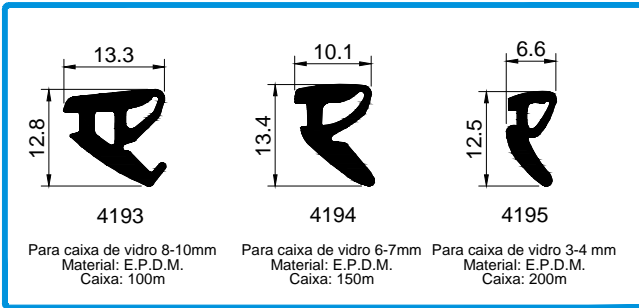
TABLE DES JOINTS - ST-Caché - Avec parclose ST 95

VEDANTE EXTERIOR OUTER GASKET JOINT EXTÉRIEUR	ESPESSURA DO VIDRO GLASS THICKNESS ÉPAISSEUR DU VERRE	VEDANTE INTERIOR INNER GASKET JOINT INTÉRIEUR
2905	32	2055

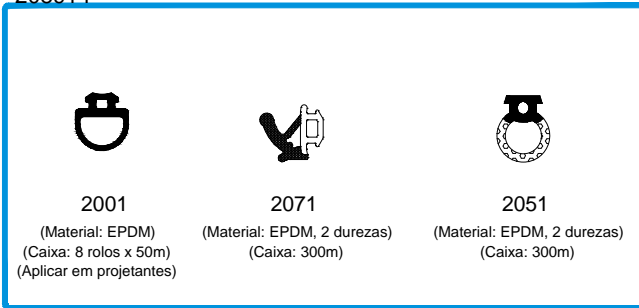




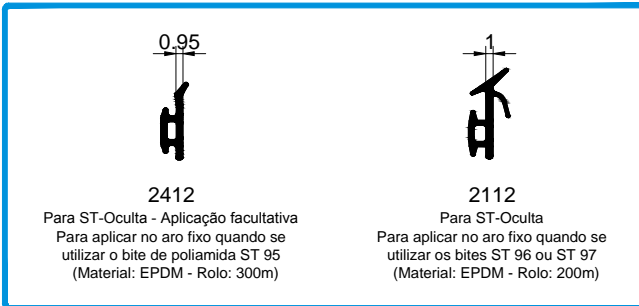
208350 JUNTA DE VEDAÇÃO EXTERIOR 2003  
208289 JUNTA DE BATENTE 2055



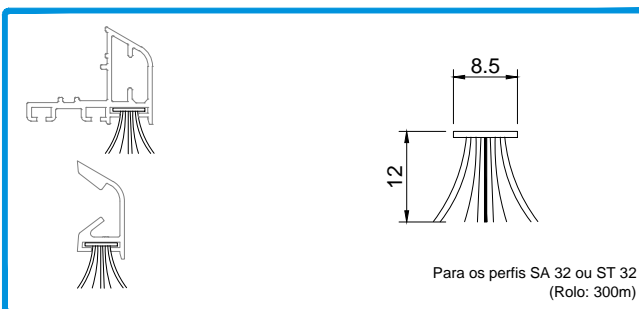
208912 JUNTA DE CUNHA RECORTADA 4193  
208913 JUNTA DE CUNHA RECORTADA 4194  
208914 JUNTA DE CUNHA RECORTADA 4195



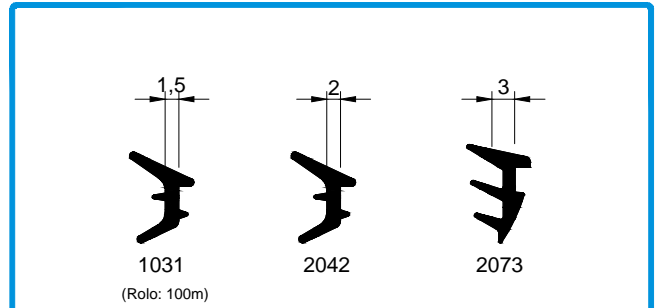
208274 JUNTA DE ESTANQUIDADE 2001  
208143 JUNTA DE ESTANQUIDADE 2071  
208008 JUNTA DE ESTANQUIDADE 2051



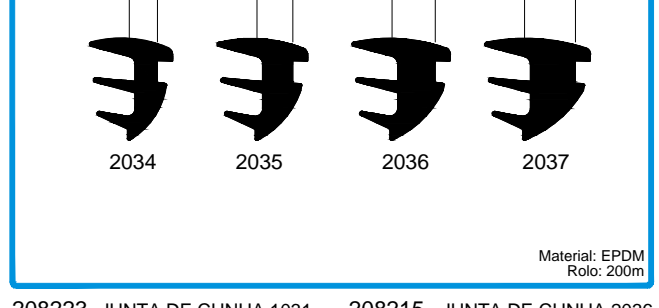
208184 JUNTA DE ESTANQUIDADE 2412  
208278 JUNTA DE ESTANQUIDADE 2112



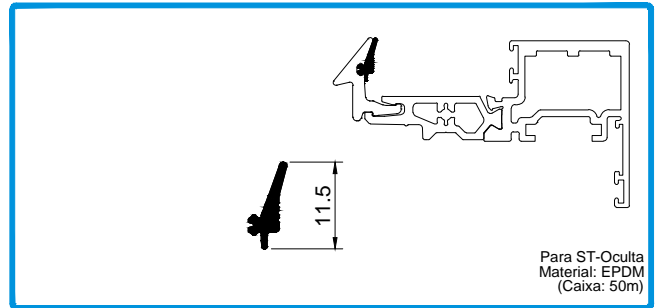
208464 VEDANTE PELÚCIA 8.5 x 12 S-FIN  
208246 JUNTA ENCAIXE 1140 PRT



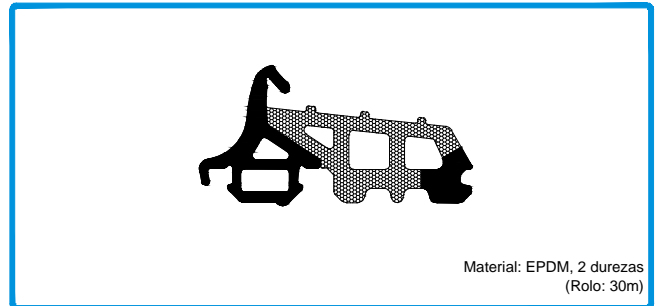
208223 JUNTA DE CUNHA 1031  
208191 JUNTA DE CUNHA 2042  
208195 JUNTA DE CUNHA 2034  
208196 JUNTA DE CUNHA 2035



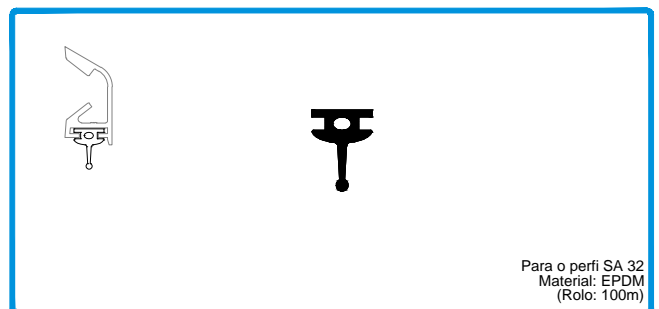
208215 JUNTA DE CUNHA 2036  
208904 JUNTA DE CUNHA 2037  
208199 JUNTA DE CUNHA 2073



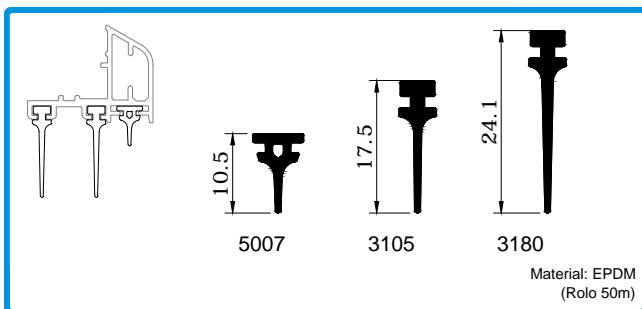
208209 JUNTA VD 2905



208183 JUNTA DE VEDAÇÃO CENTRAL 2267



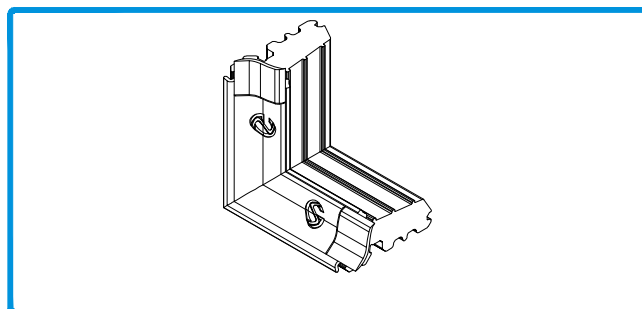
208246 JUNTA ENCAIXE 1140 PRT



208165  
208292  
208294

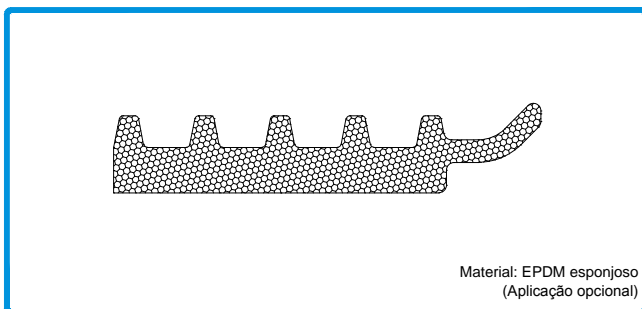
JUNTA INFERIOR PORTA 5007  
JUNTA INFERIOR PORTA 3105  
JUNTA INFERIOR PORTA 3180

Material: EPDM  
(Rolo 50m)



213015

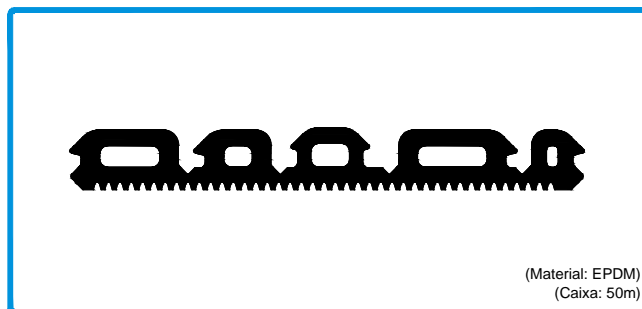
CANTO VULCANIZADO 2267.1



208182

JUNTA 2090

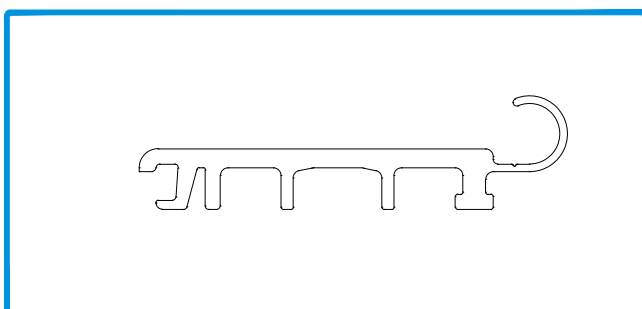
Material: EPDM esponjoso  
(Aplicação opcional)



208185

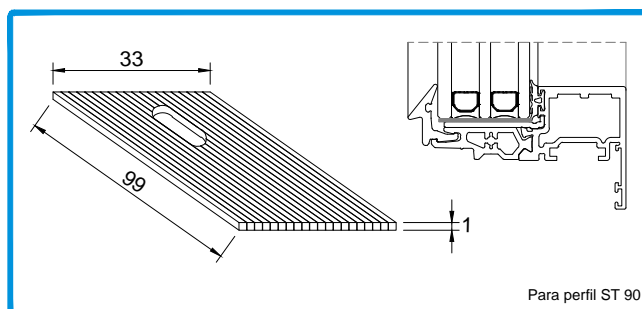
JUNTA DE REMATE PAREDE VD 2089

(Material: EPDM)  
(Caixa: 50m)



218126

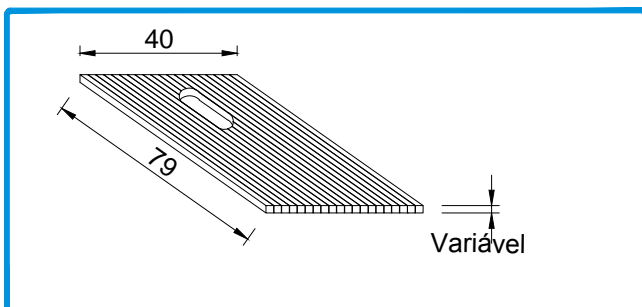
CALÇO P/VIDRO S/ ST Nylon



218132

CALÇO VIDRO 99x33x1mm

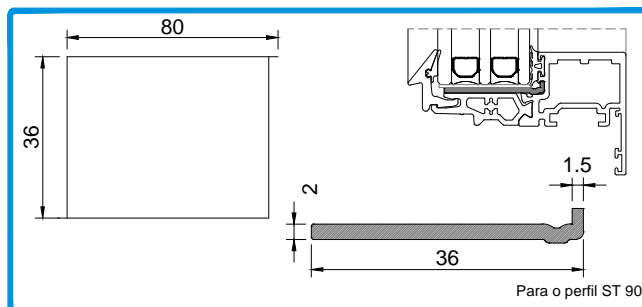
Para o perfil ST 90



218113 CALÇO P/VIDRO 79x40x2  
218109 CALÇO P/VIDRO 79x40x3

218111 CALÇO P/VIDRO 79x40x4  
218112 CALÇO P/VIDRO 79x40x5

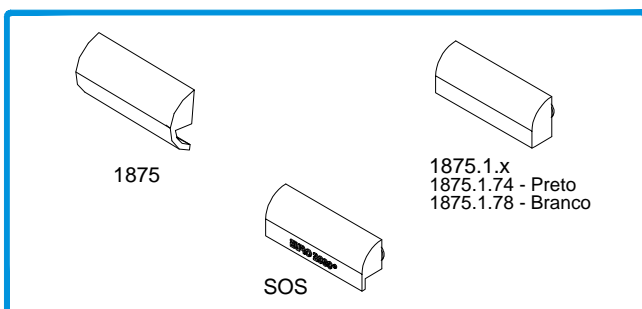
Variável



230281

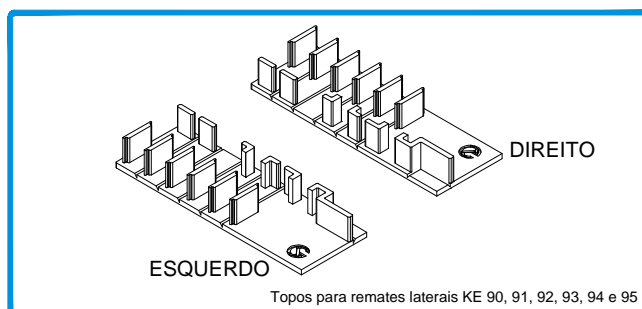
SUPORTE VIDRO ST - INOX

Para o perfil ST 90



210154 GOTEIRA 1875 Br/Pr  
210280 GOT. SOS C/VÁLV. Br

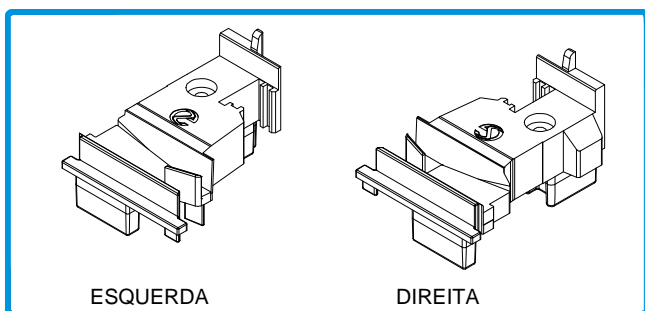
210142 GOT. C/VÁLV. 1875.1.74  
210144 GOT. C/VÁLV. 1875.1.78



212223

CONJUNTO TOPOS INFERIORES RENOVATIO

Topos para remates laterais KE 90, 91, 92, 93, 94 e 95

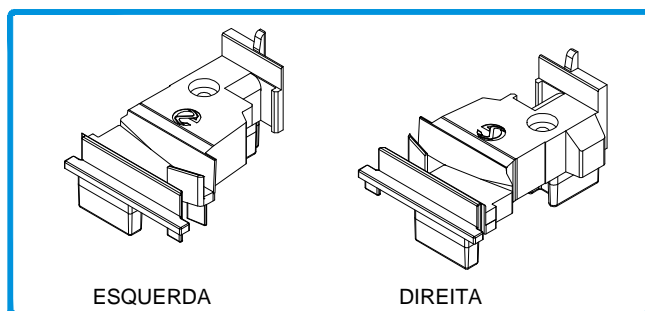


ESQUERDA

DIREITA

212069

CONJUNTO TOPO INVERSOR ST Preto

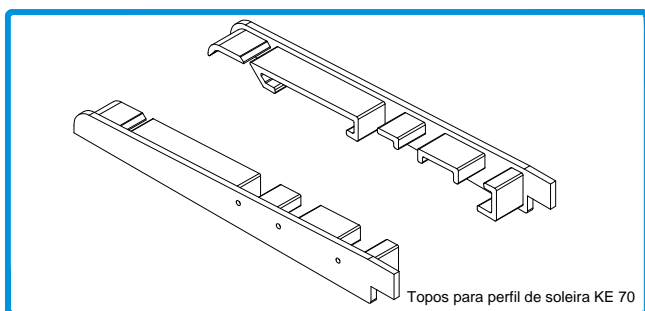


ESQUERDA

DIREITA

212142

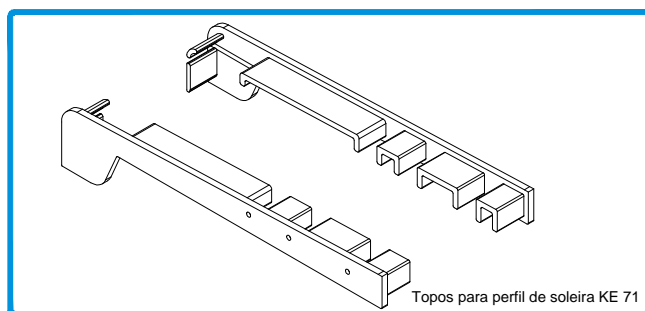
CONJUNTO TOPO INVERSOR ST CANAL 16 Preto



Topos para perfil de soleira KE 70

212222

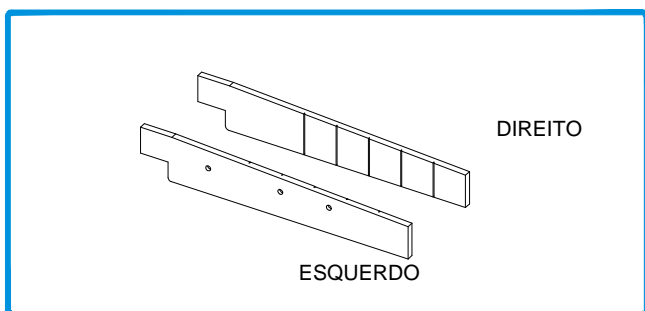
CONJ. TAPA TOPOS KE 70



Topos para perfil de soleira KE 71

212221

CONJ. TAPA TOPOS KE 71

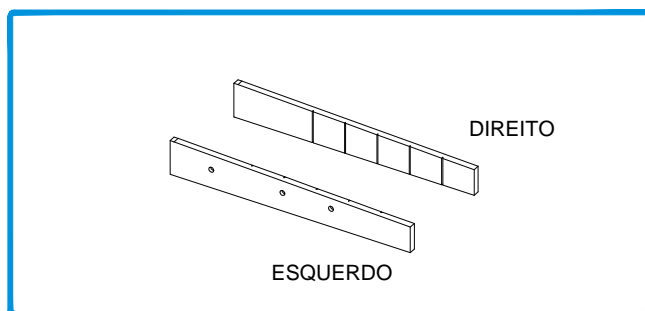


DIREITO

ESQUERDO

212226

CONJUNTO JUNTAS ADESIVAS PARA TOPOS  
PERFIL TAPÉE SOLEIRA KE70

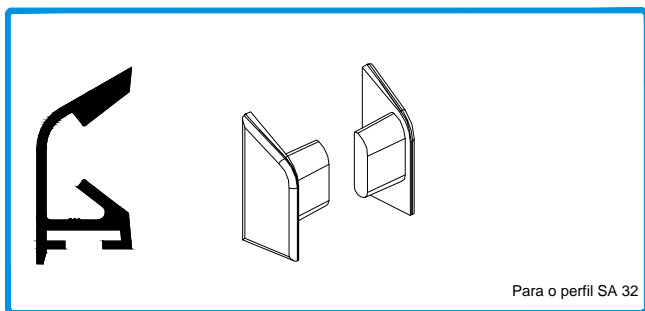


DIREITO

ESQUERDO

212227

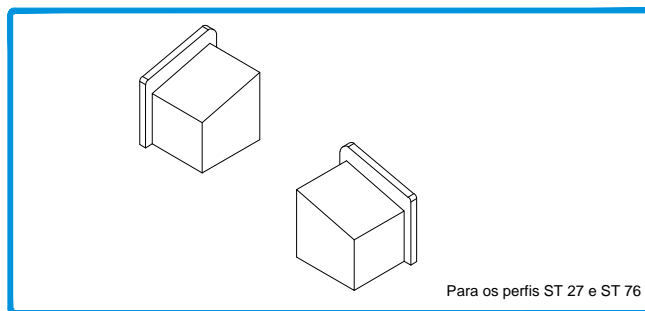
CONJUNTO JUNTAS ADESIVAS PARA TOPOS  
PERFIL TAPÉE SOLEIRA KE71



Para o perfil SA 32

212346

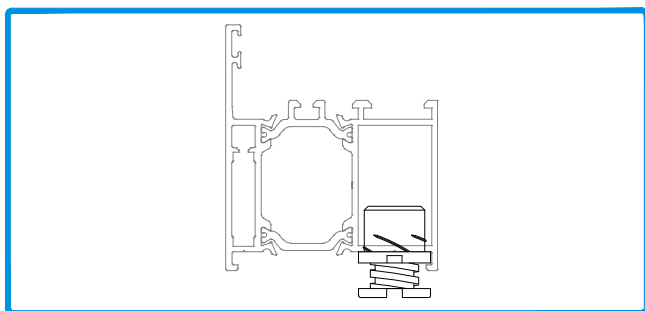
CONJ. TAPA-TOPOS SA 32 Br/Pr



Para os perfis ST 27 e ST 76

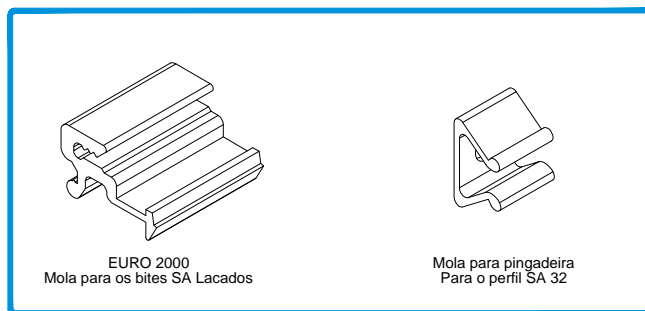
212366

CONJUNTO TOPO SOL 26 Pr



224205

NIVELADOR PEQUENO 600.01/8

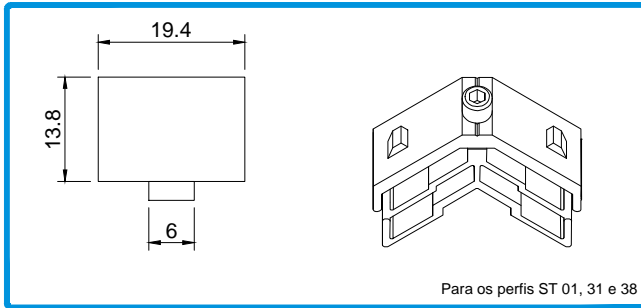


EURO 2000  
Mola para os bites SA Lacados

Mola para pingadeira  
Para o perfil SA 32

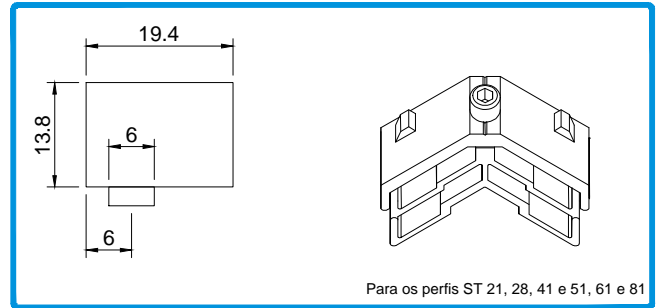
228165  
228181

MOLA EURO 2000  
MOLA PARA PINGADEIRA



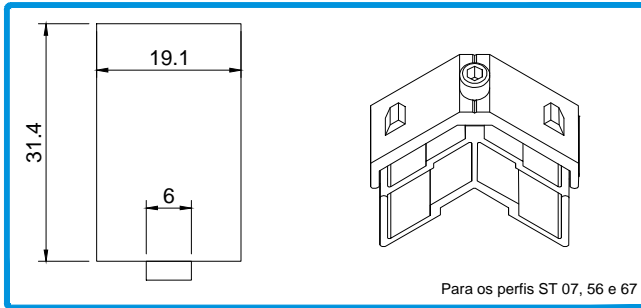
204137

ESQUADRO IT/ST N°1 16-1914-C



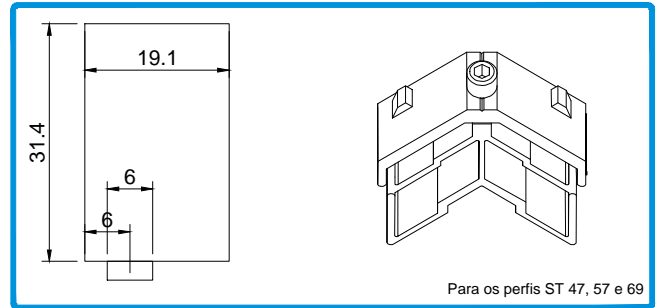
204138

ESQUADRO IT/ST N°2 16-1914-D



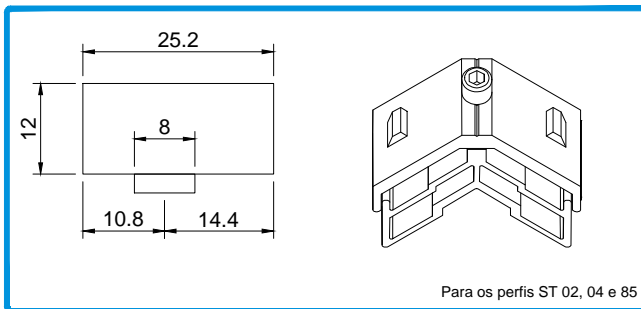
204139

ESQUADRO IT/ST N°3 16-1931-C



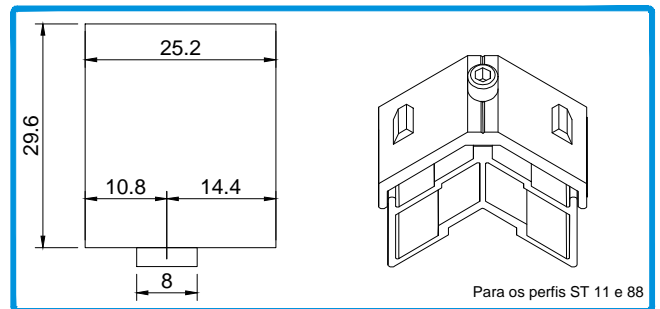
204141

ESQUADRO IT/ST N°4 16-1931-D



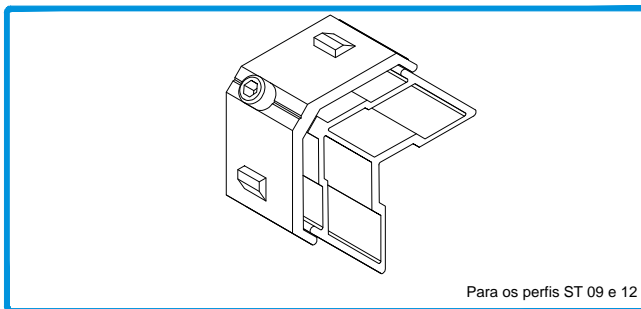
204142

ESQUADRO IT/ST N°5 18-2512-140



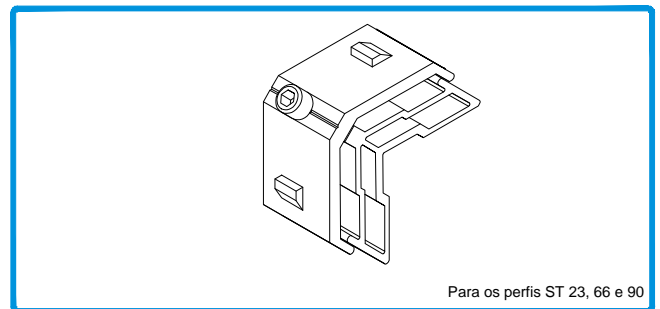
204143

ESQUADRO IT/ST N°6 18-2530-140



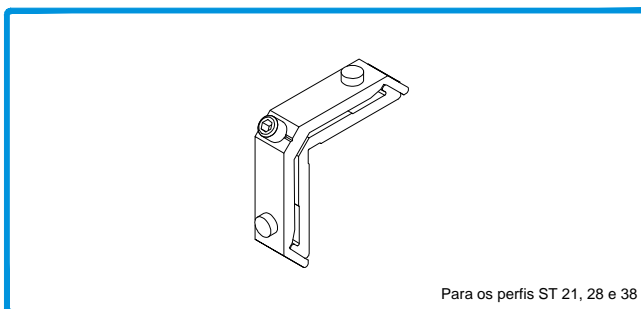
204730

ESQUADRO AT E. GRANDE



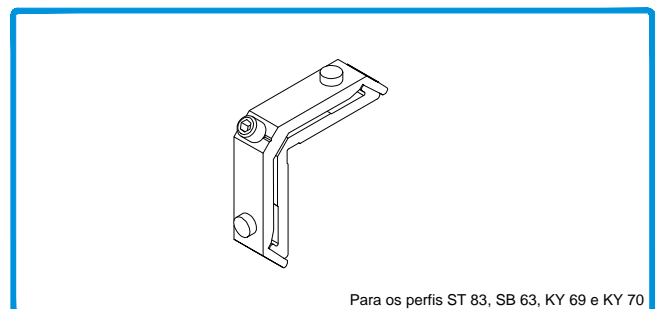
204728

ESQUADRO AT E. PEQUENO



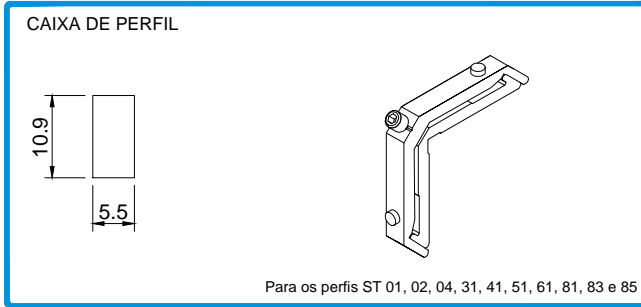
204901

ESQUADRO 18-1112-C



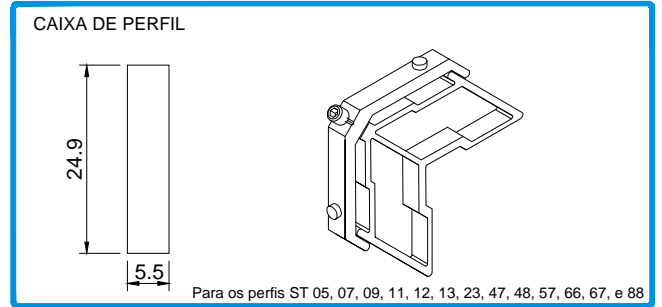
204029

ESQUADRO 18-1414 C



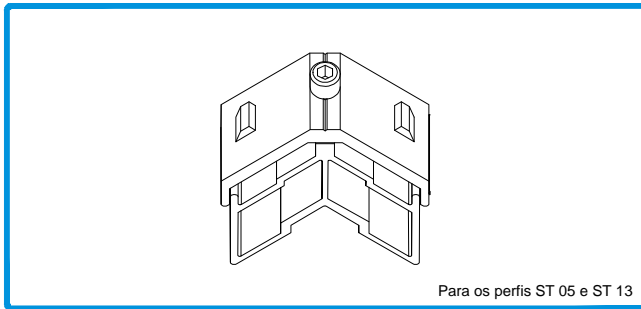
204150

ESQUADRO 18-0512-C



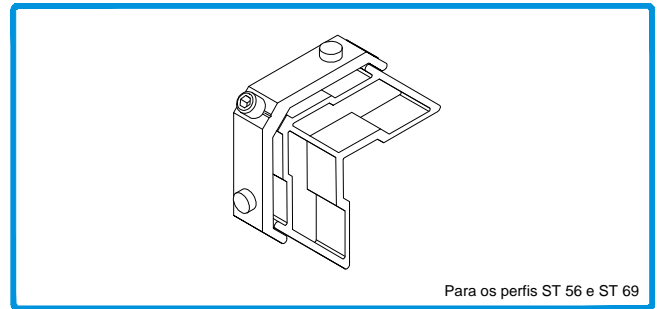
204151

ESQUADRO 18-0525-C



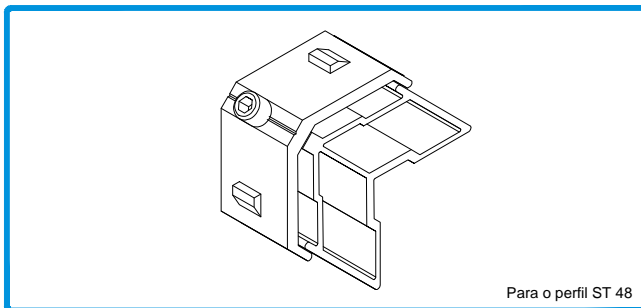
204152

ESQUADRO 18-2523-C



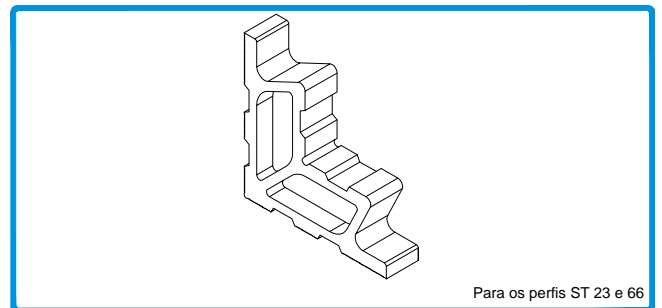
204009

ESQUADRO 18-1130-C



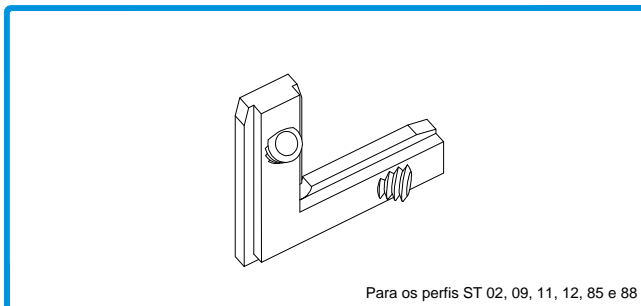
204010

ESQUADRO 26-2537-140



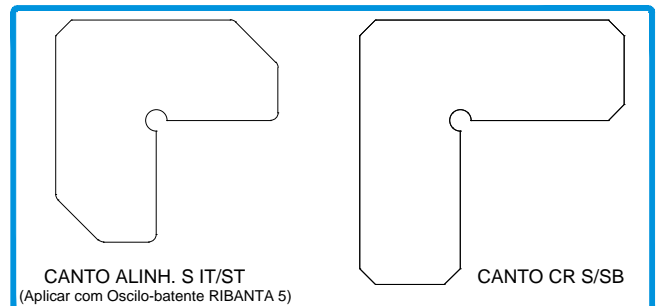
204257

ESQUADRO SA 35 CORTADO PEQUENO



204131

ESQUADRO DE ALINHAMENTO C/ APERTO

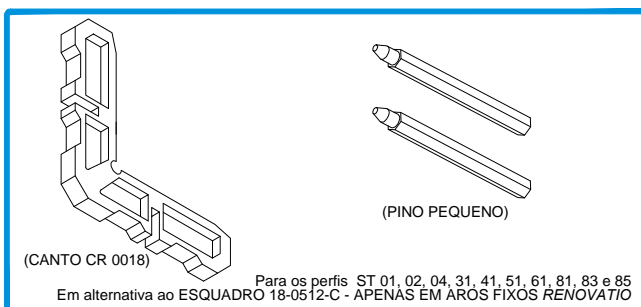


213261

213246

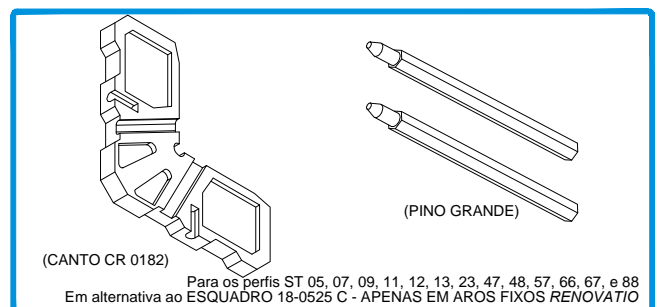
CANTO ALINH. S IT/ST

CANTO CR S/SB



213308

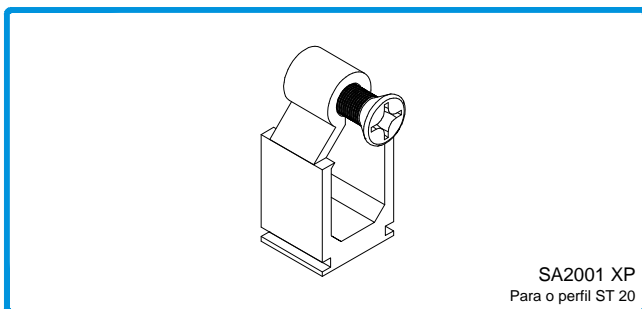
CANTO CR 0018 + PINOS PEQ.



213309

CANTO CR 0182 + PINOS GR.

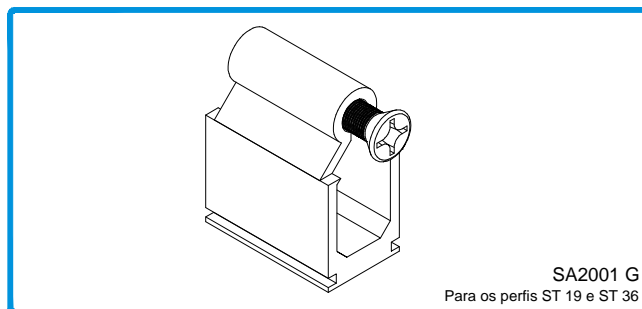




SA2001 XP  
Para o perfil ST 20

232119

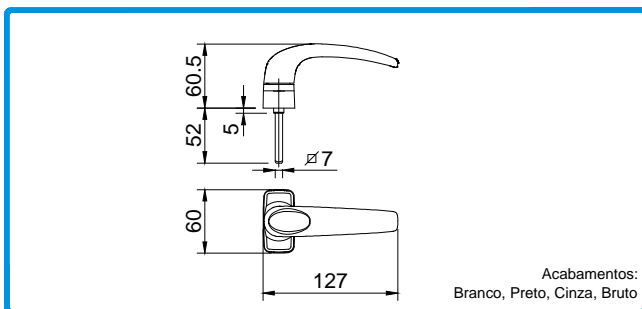
UNIÃO DE TRAVESSA SA2001 XP



SA2001 G  
Para os perfis ST 19 e ST 36

232116  
290037

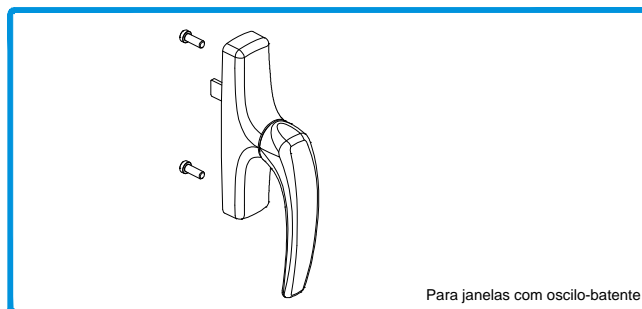
UNIÃO TRAVESSAS SA2001 G  
PARAFUSO SUPLEMENTAR P/UNIÃO SA2001 G INOX



Acabamentos:  
Branco, Preto, Cinza, Bruto

200052

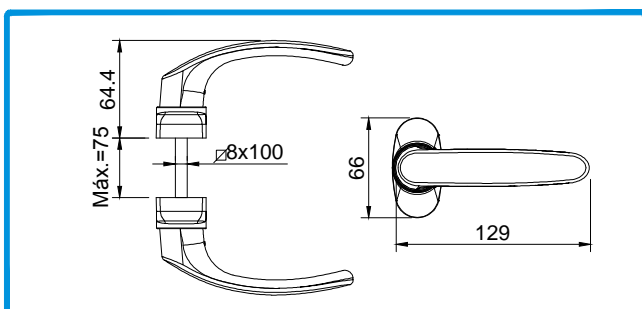
PUXADOR SIMPLES 874.4/7



Para janelas com oscilo-batente

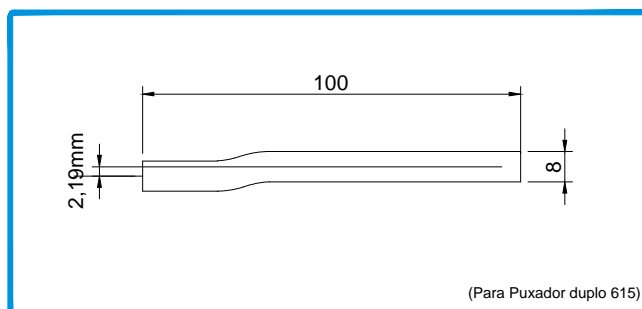
200171

CREMONE ARIANA 868.2



200920

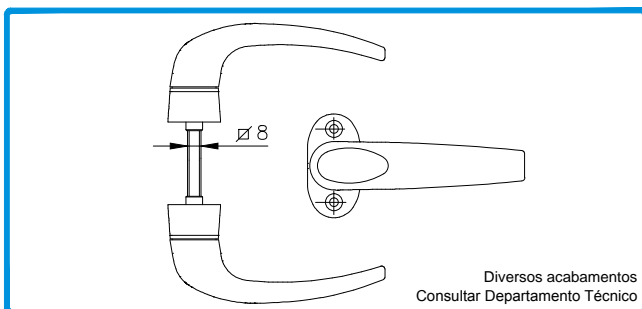
PUXADOR DUPLO 615



(Para Puxador duplo 615)

227302

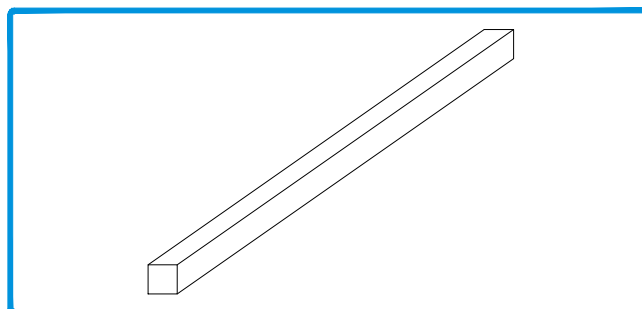
QUADRA DESCENTRADA 130mm



Diversos acabamentos  
Consultar Departamento Técnico

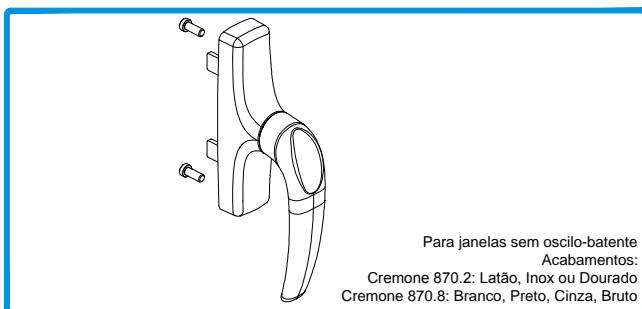
200028

PUXADOR DUPLO 874.31



227301

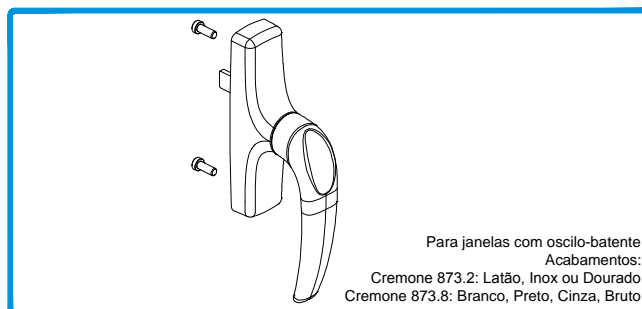
QUADRA AÇO 8mm PARA PUXADOR 874.31



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

200302  
200173

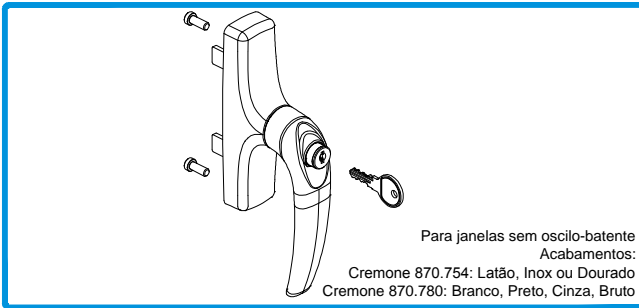
CREMONE MANON 870.2  
CREMONE MANON 870.8



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

200315  
200174

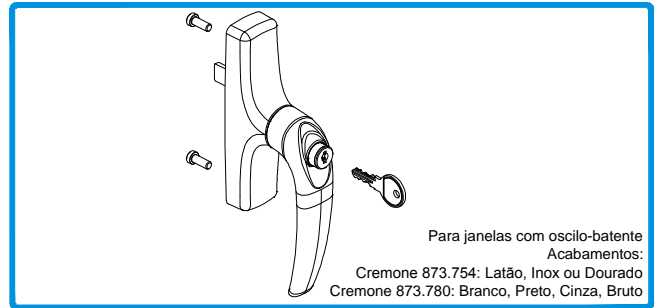
CREMONE MANON 873.2  
CREMONE MANON 873.8



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

200215  
200175

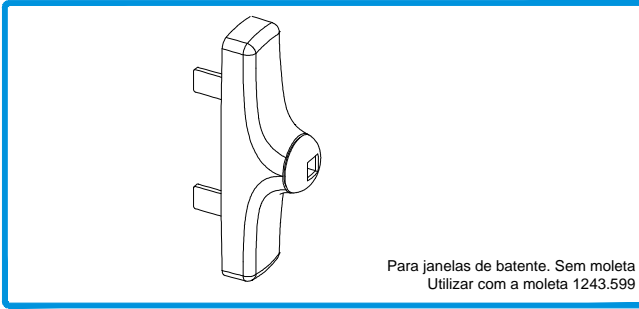
CREMONE MANON 870.754  
CREMONE MANON 870.780



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

200969  
200176

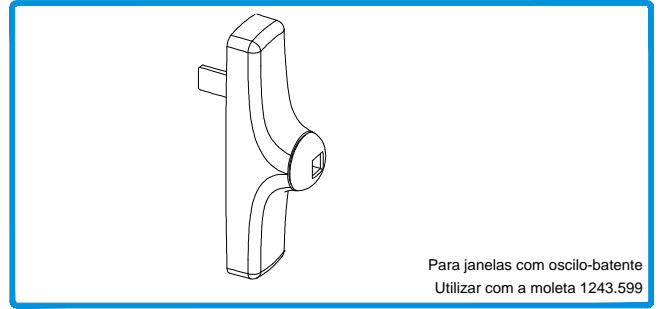
CREMONE MANON 873.754  
CREMONE MANON 873.780



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

200974

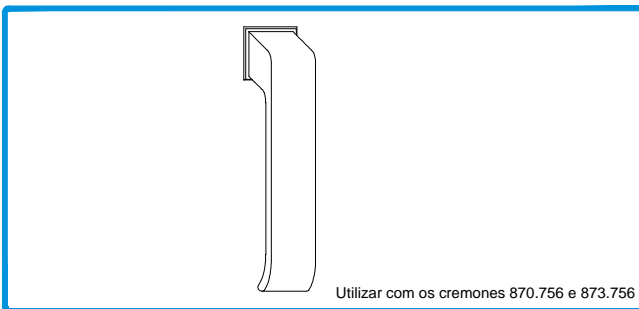
CREMONE S/ MOLETA 870.756 Preto



Para janelas com oscilo-batente  
Utilizar com a moleta 1243.599

200406

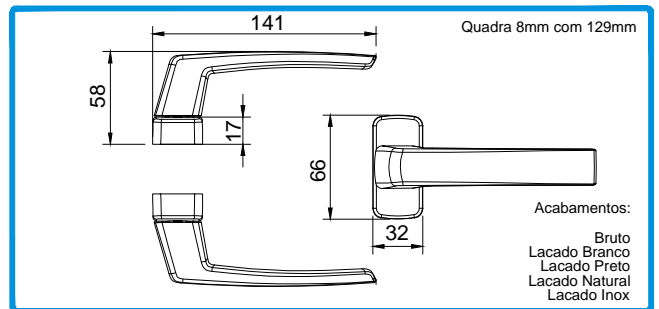
CREMONE P/OSCILO-BATENTE S/MOLETA 873.756 Preto



Utilizar com os cremones 870.756 e 873.756

211310

MOLETA CREM. 1243.599 Preto

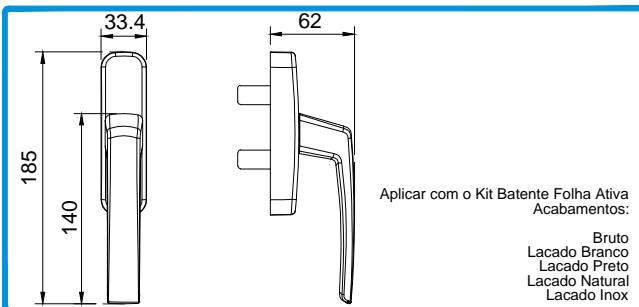


Quadra 8mm com 129mm

Acabamentos:  
Bruto  
Lacado Branco  
Lacado Preto  
Lacado Natural  
Lacado Inox

200792

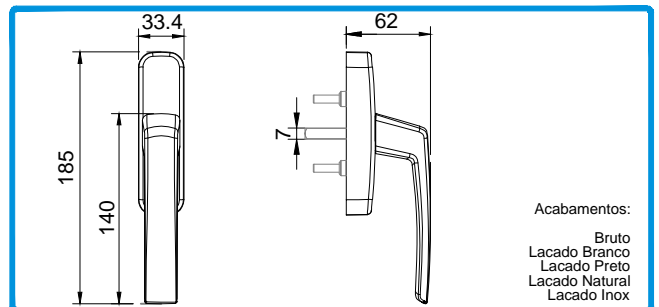
PUXADOR DE PORTA DUPLO CUBIC



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

200508

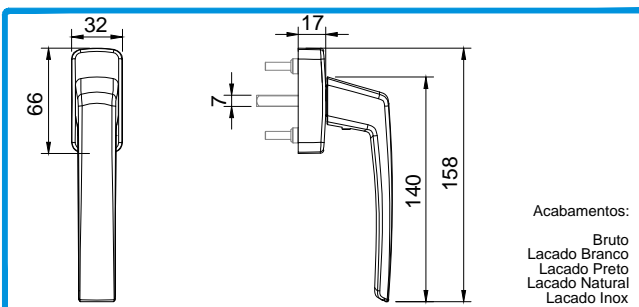
CREMONE BATENTE CUBIC



Acabamentos:  
Bruto  
Lacado Branco  
Lacado Preto  
Lacado Natural  
Lacado Inox

200509

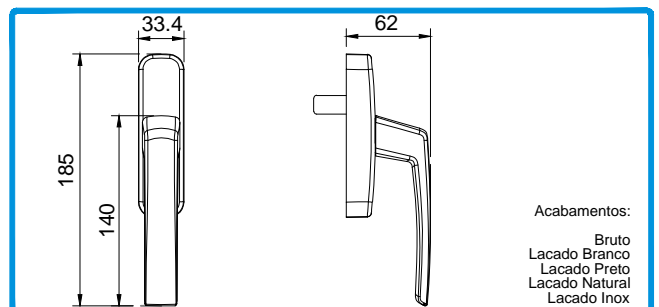
CREMONE DE QUADRA CUBIC



Acabamentos:  
Bruto  
Lacado Branco  
Lacado Preto  
Lacado Natural  
Lacado Inox

200793

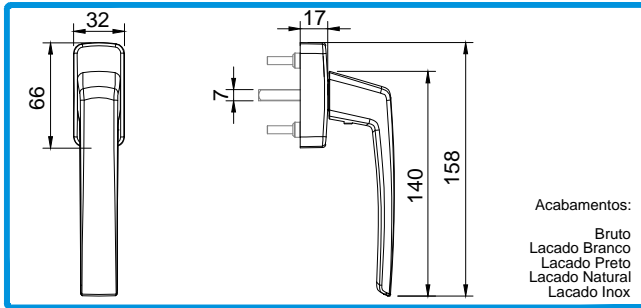
MANETE DE QUADRA CUBIC



Acabamentos:  
Bruto  
Lacado Branco  
Lacado Preto  
Lacado Natural  
Lacado Inox

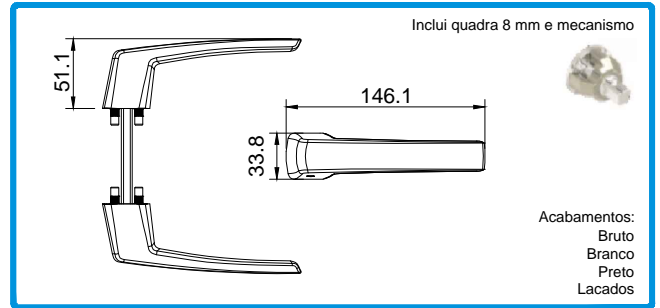
200507

CREMONE OSCILO-BATENTE CUBIC



200794 MANETE DE QUADRA DE SEGURANÇA CUBIC

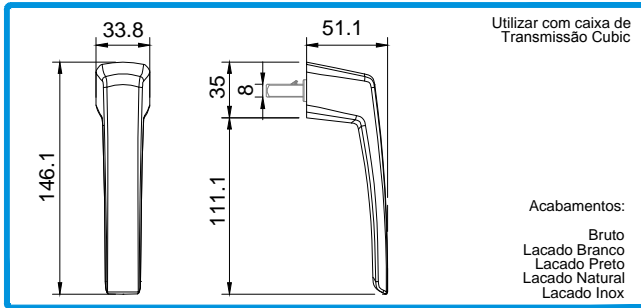
Acabamentos:  
Bruto  
Lacado Branco  
Lacado Preto  
Lacado Natural  
Lacado Inox



200849 PUXADOR DE PORTA MINIMALISTA CUBIC

Inclui quadra 8 mm e mecanismo

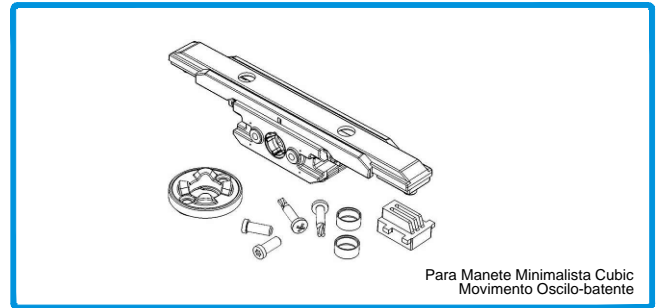
Acabamentos:  
Bruto  
Branco  
Preto  
Lacados



200798 MANETE MINIMALISTA CUBIC

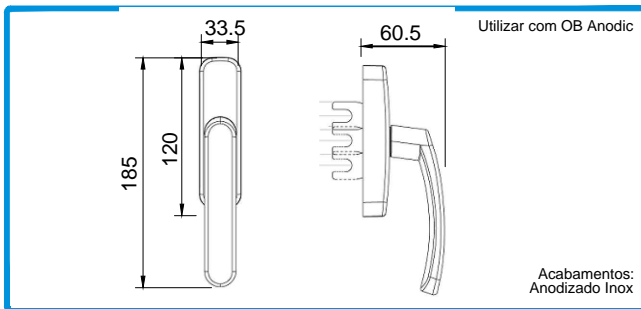
Utilizar com caixa de Transmissão Cubic

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



200510 CREMONE ANODIZADA

Utilizar com OB Anodic

Acabamentos:  
Anodizado  
Inox



200317 CREMONE BATENTE ANODIZADA

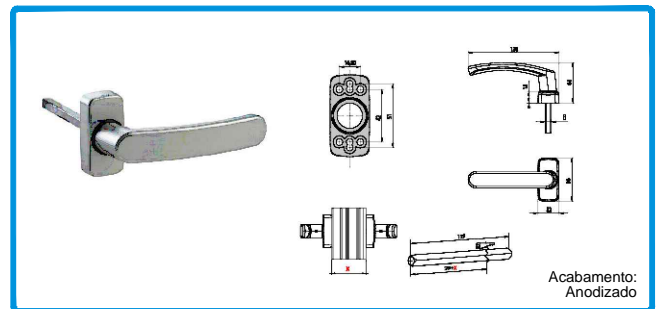
Acabamento:  
Anodizado



200633 PUXADOR DUPLO ANODIZADO

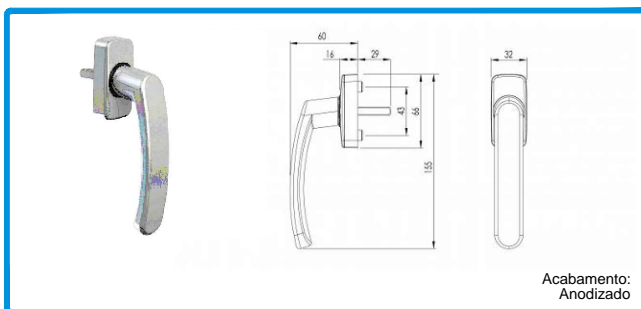
Acabamento:  
Anodizado

Quadra 8mm



200990 PUXADOR PORTA SIMPLES ANODIZADO

Acabamento:  
Anodizado



200803 MANETE DE QUADRA DE SEGURANÇA ANODIZADA

Acabamento:  
Anodizado



223566 KIT BATENTE FOLHA ATIVA

Aplicar com cremone batente CUBIC



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



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



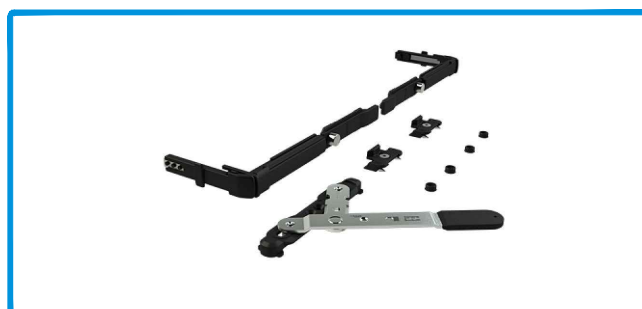
212214 CONJUNTO DOBRADIÇA O.B. 2ª FOLHA ESQ. ANODIC



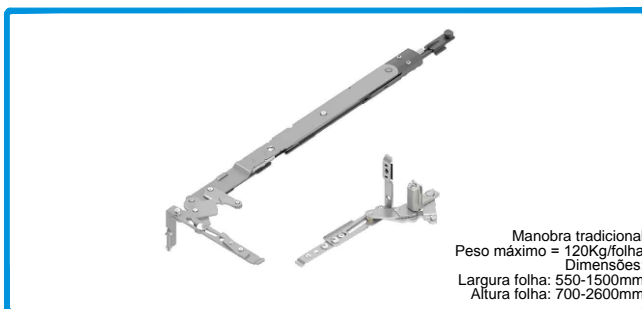
212213 CONJUNTO DOBRADIÇA O.B. 2ª FOLHA DIR. ANODIC



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



223069 KIT DOB. OCULTAS OSCILO 2ª FOLHA ESQ  
223070 KIT DOB. OCULTAS OSCILO 2ª FOLHA DIR

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



223071 KIT BASCULANTE DOBRADIÇAS OCULTAS

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



202513

COMPASSO SUPLEMENTAR 130301



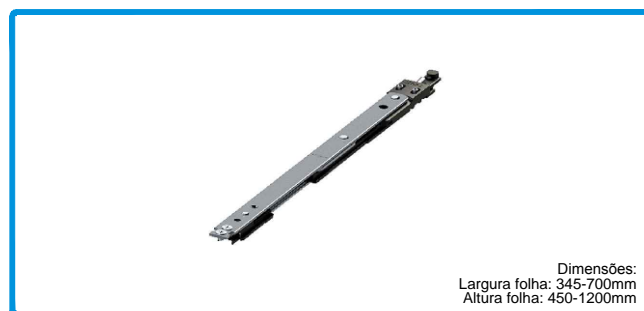
223467

KIT PONTO DE FECHO SUPLEMENTAR 113003C



223468

KIT ÂNGULO REENVIO SUPLEMENTAR 111700C



202512

COMPASSO OSCILO MICRO 110309



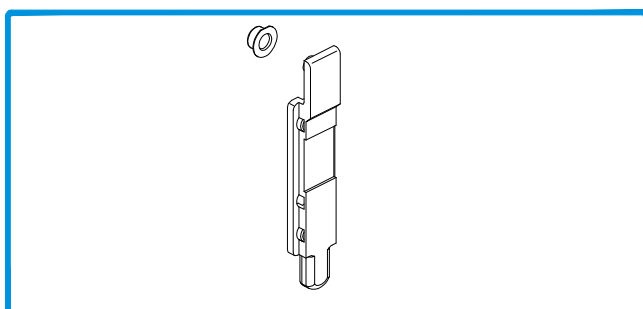
202503

COMPASSO OSCILO PEQUENO 110302



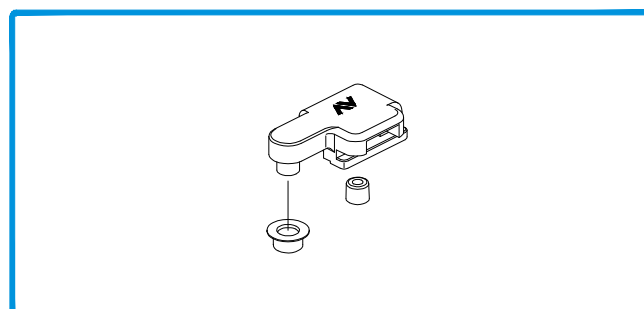
202501

COMPASSO OSCILO GRANDE 110301



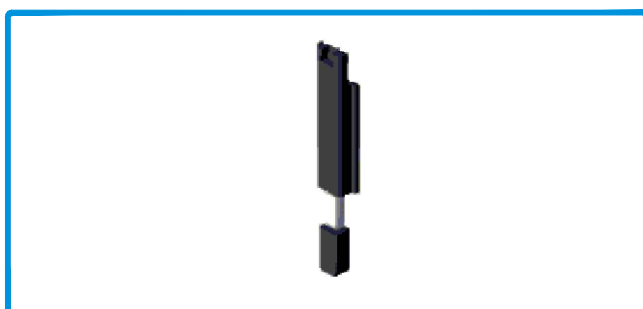
206490

TERMINAL VARETA 1486



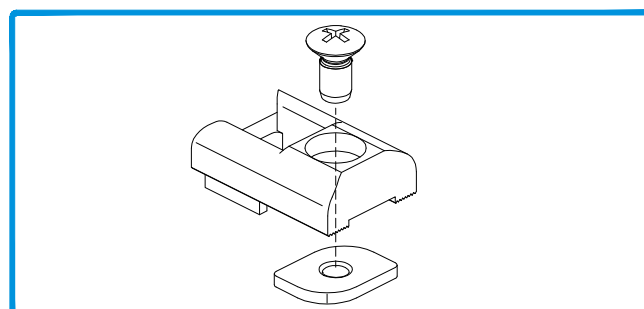
215114

PEÇA CREMONE VARETA 1481



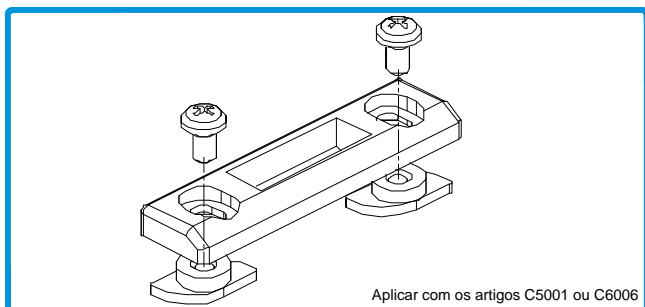
206500

TERMINAL VARETA 2000



202077

CONTRA-FECHO 1404



202310

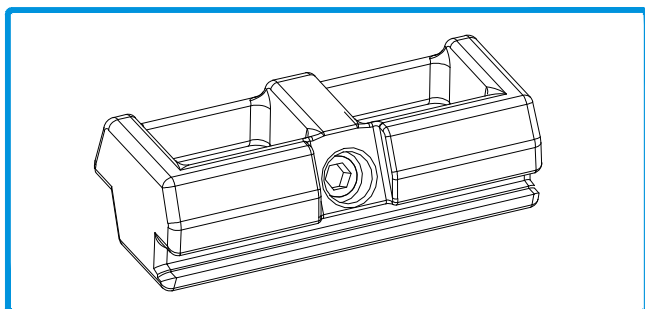
CONTRA-FECHO DUPLO REGULÁVEL 2020

Aplicar com os artigos C5001 ou C6006



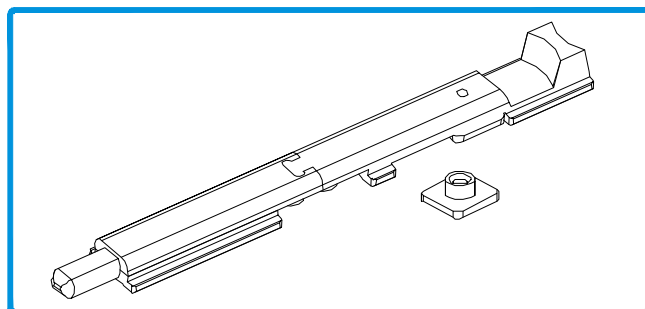
202090

CONTRA-FECHO DUPLO 1416.6



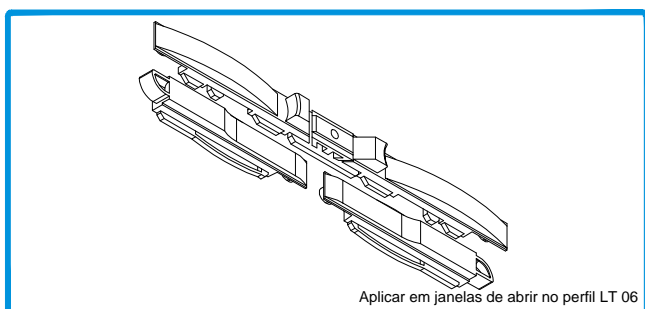
202091

CONTRA-FECHO DUPLO REGULÁVEL 1414



201490

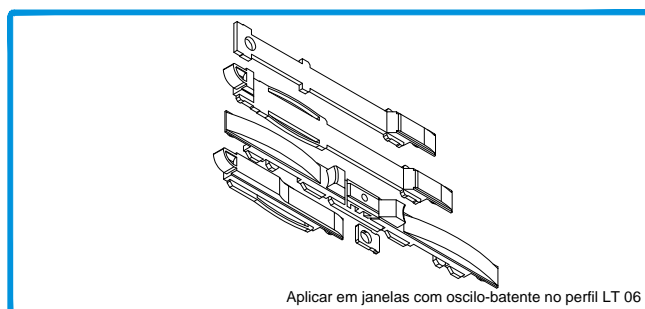
FECHO PARA 2ª FOLHA 1541



201507

FECHO SEMI-AUTO PARA 2ª FOLHA C5001

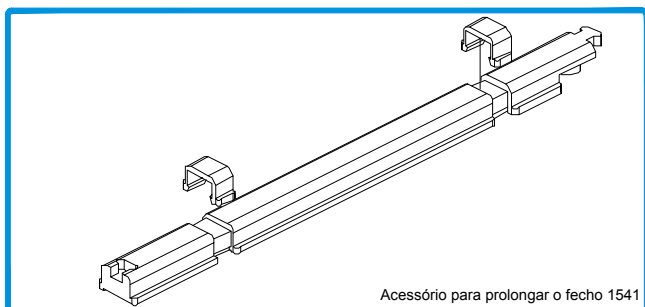
Aplicar em janelas de abrir no perfil LT 06



201030

FECHO SEMI-AUTO PARA 2ª F C/O-B C6006

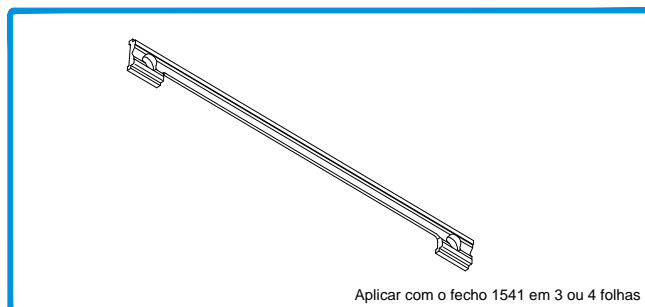
Aplicar em janelas com oscilo-batente no perfil LT 06



401001

ALONGAMENTO 1541.800

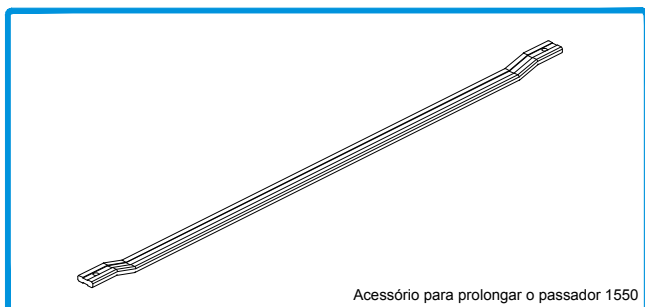
Acessório para prolongar o fecho 1541



214280

VARETA 1541.820

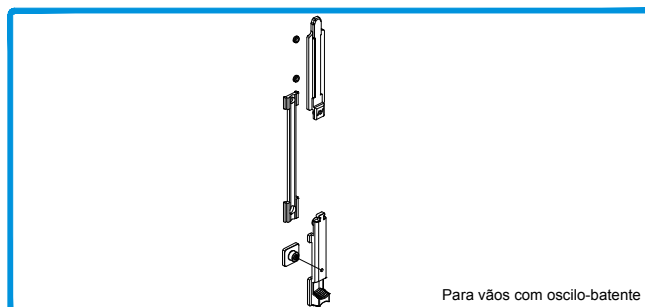
Aplicar com o fecho 1541 em 3 ou 4 folhas



221154

HASTE FECHO 1550.801

Acessório para prolongar o passador 1550



225130

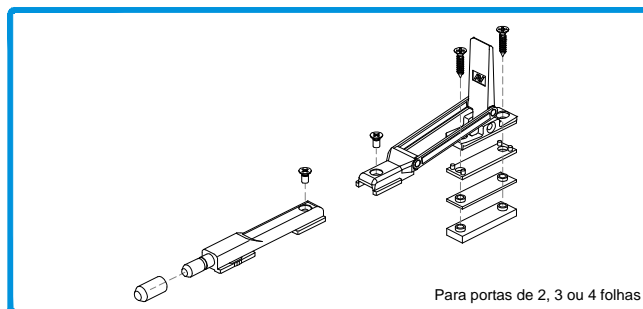
PASSADOR 3000.854

Para vãos com oscilo-batente



225205

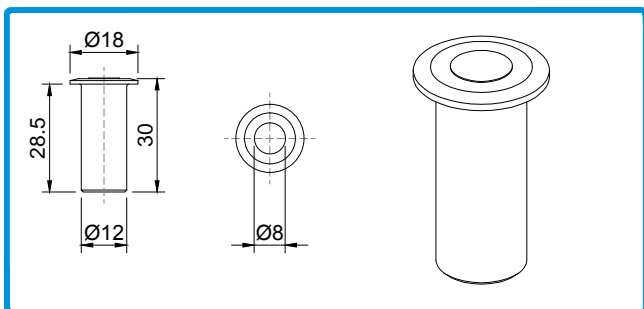
PASSADOR PARA 2ª FOLHA 1545.2



225155

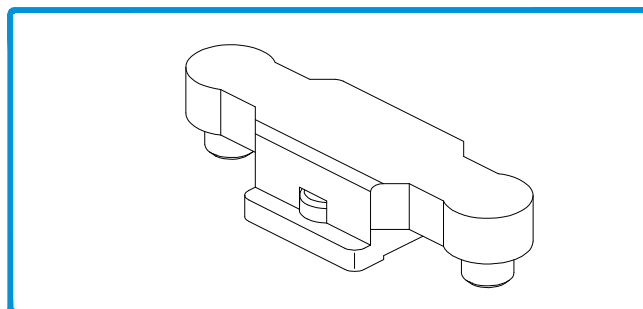
PASSADOR REVERSÍVEL 1550

Para portas de 2, 3 ou 4 folhas



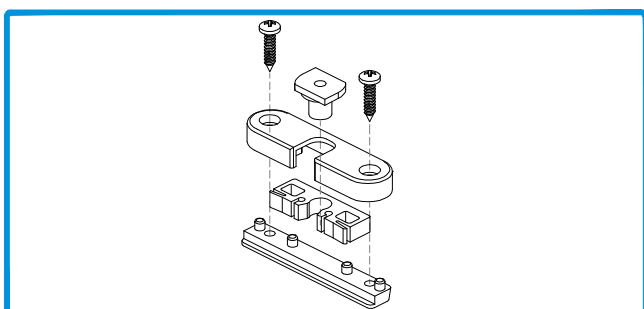
211103

PONTO FECHO PAVIMENTO 1409/8



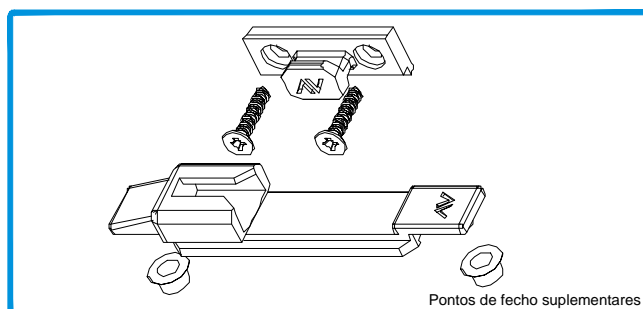
201463

FECHO LATERAL 1243.710



218206

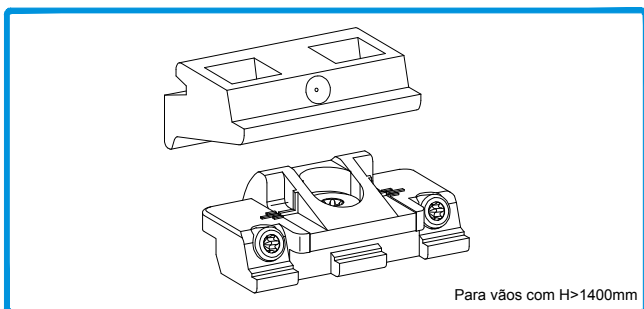
CLIQUE DE RETENÇÃO 1468



201363

FECHOS ANTI-ARROMBAMENTO 1246.835

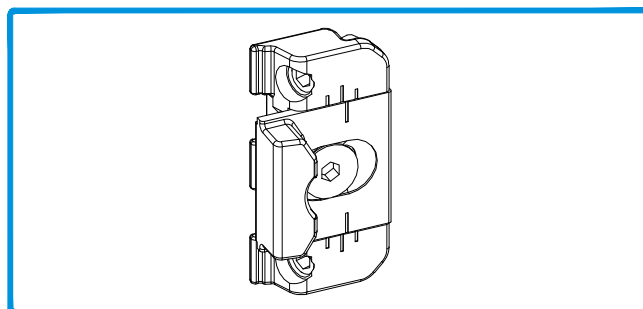
Pontos de fecho suplementares



201537

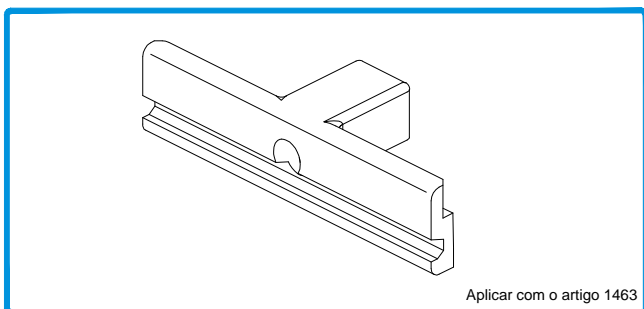
FECHO SUPLEMENTAR 1246.832

Para vãos com H>1400mm



202075

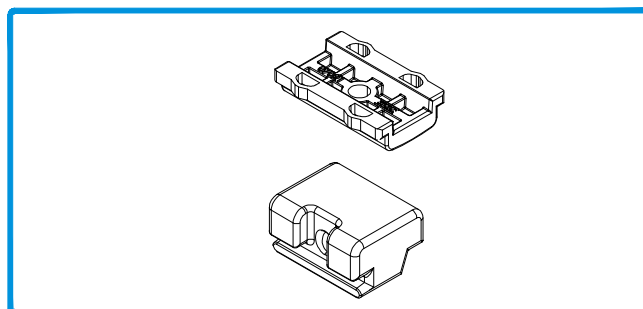
CONTRA-FECHO 1243.721



202089

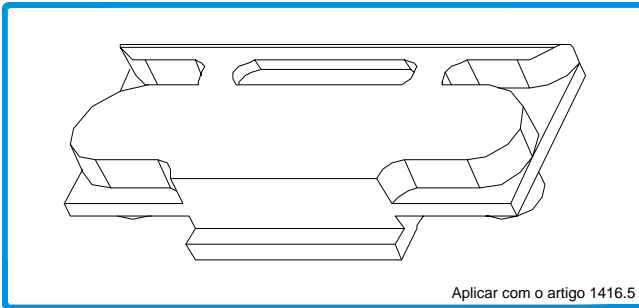
CONTRA-FECHO DUPLO 1416.5

Aplicar com o artigo 1463



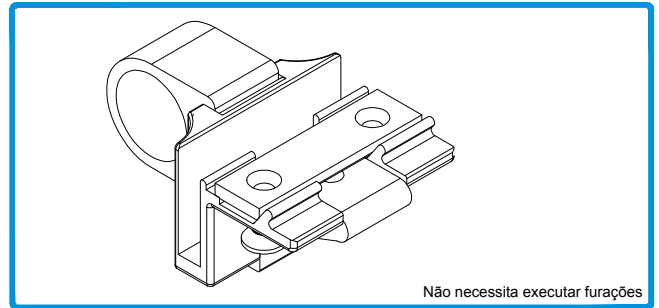
212154

CONJUNTO PARA CALÇO 1410.50Pr.



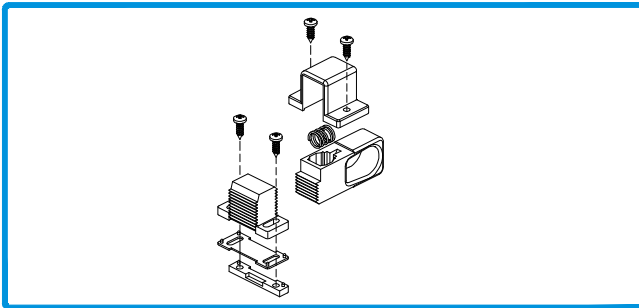
Aplicar com o artigo 1416.5

230225 SUPLEMENTO PARA VENTILAÇÃO 1463

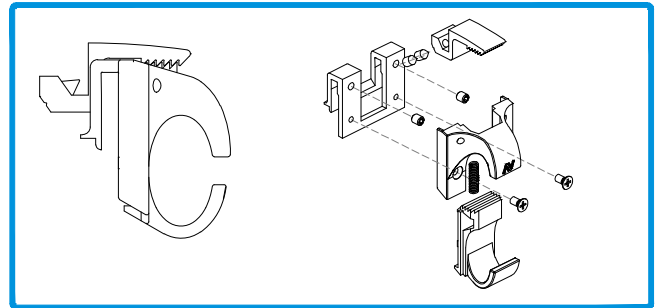


Não necessita executar furações

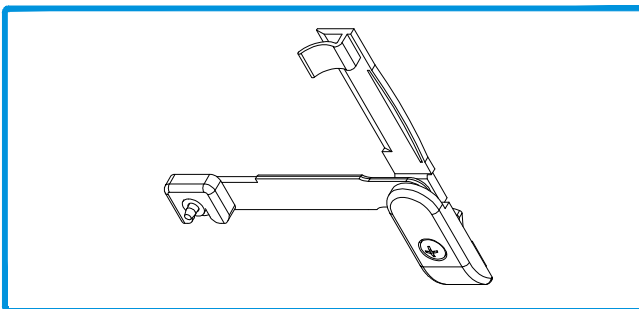
201547 FECHO P/BASCULANTE REGULÁVEL 509R (Br., Pr.ou Cinza)



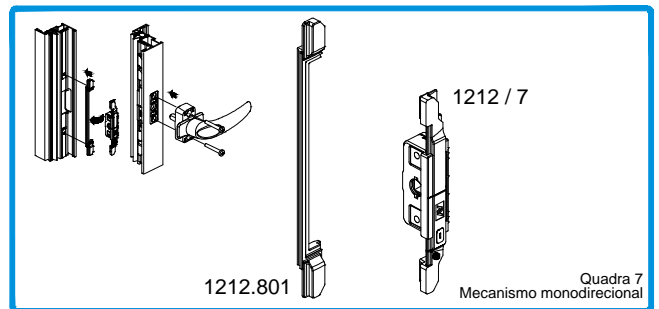
201495 FECHO PARA BASCULANTE 1357



201497 FECHO P/BASCULANTE 1370.1

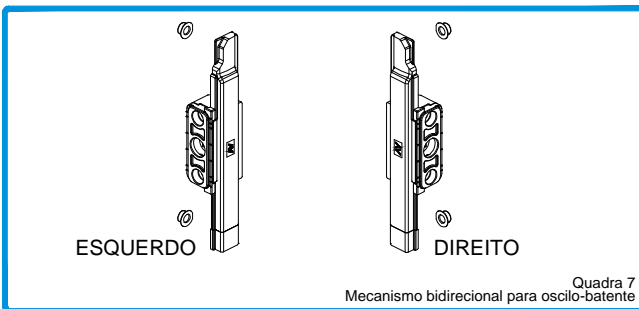


228104 LIMITADOR DE ABERTURA 6060 Pr.



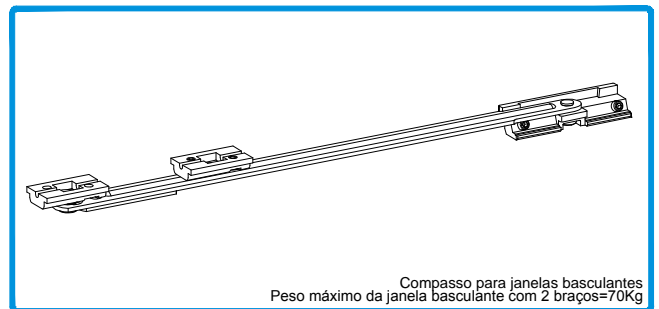
228119 214297 MECANISMO MONO 1212/7 VARETA 1212.801

Quadra 7 Mecanismo monodirecional



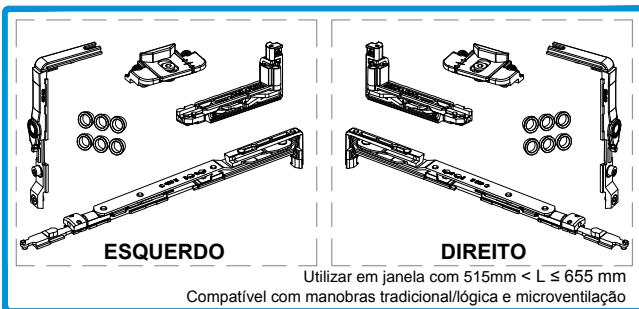
228120 228121 MECANISMO DUO 1213/7L ESQ. MECANISMO DUO 1213/7R DIR.

Quadra 7 Mecanismo bidirecional para oscilo-batente



210103 BRAÇO PIOVRATRE 1341 (Altura mín. folha = 280mm)

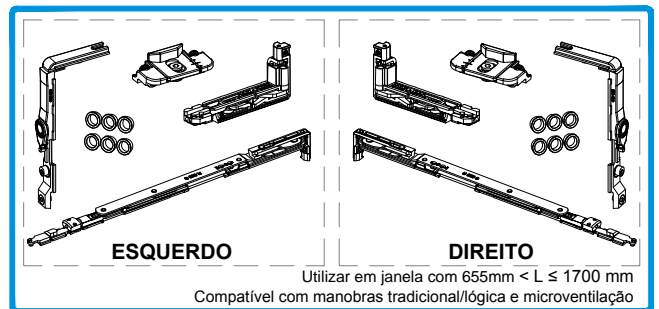
Compasso para janelas basculantes  
Peso máximo da janela basculante com 2 braços=70Kg



223092 223093 KIT OB OCULTO + COMP. 400 ESQ KIT OB OCULTO + COMP. 400 DIR

Utilizar em janela com 515mm < L ≤ 655 mm

Compatível com manobras tradicional/lógica e microventilação

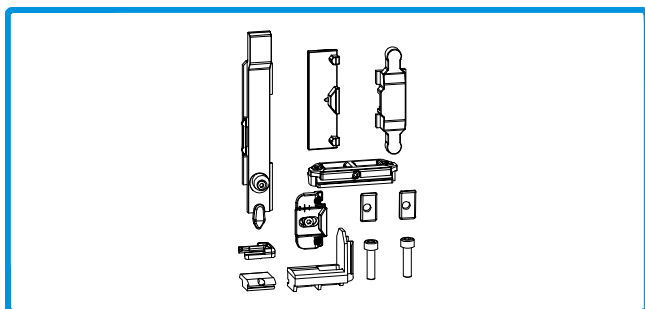


223094 223095 KIT OB OCULTO + COMP. 500 ESQ KIT OB OCULTO + COMP. 500 DIR

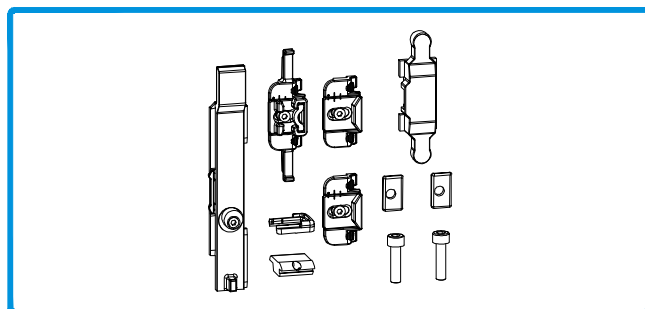
Utilizar em janela com 655mm < L ≤ 1700 mm

Compatível com manobras tradicional/lógica e microventilação

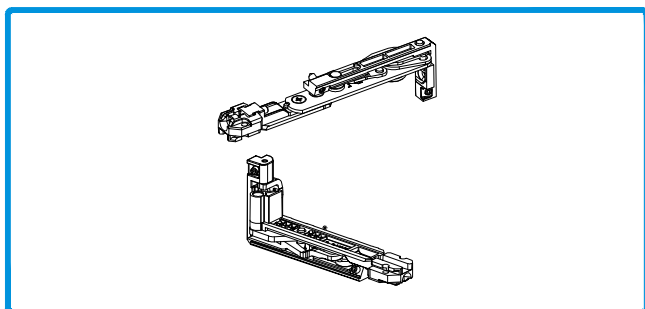




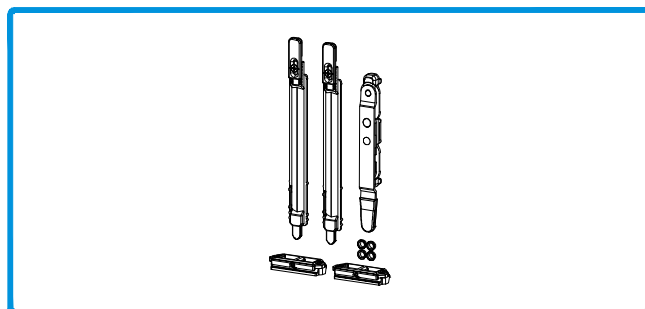
299200 CARTÃO BASE OB MANOBRA TRADICIONAL



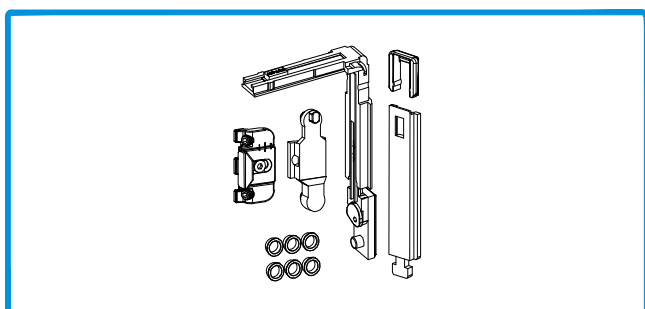
299201 CARTÃO BASE OB MANOBRA LÓGICA



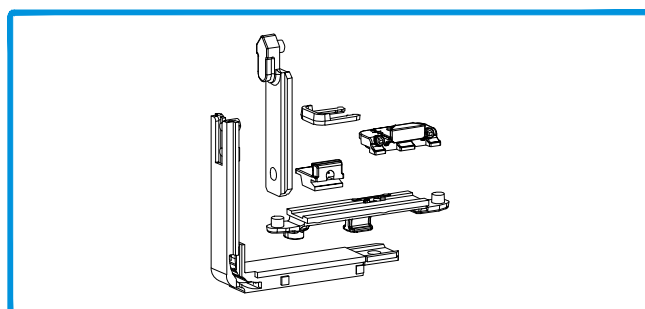
223096 CONJ. DOB. OCULTA 2°F



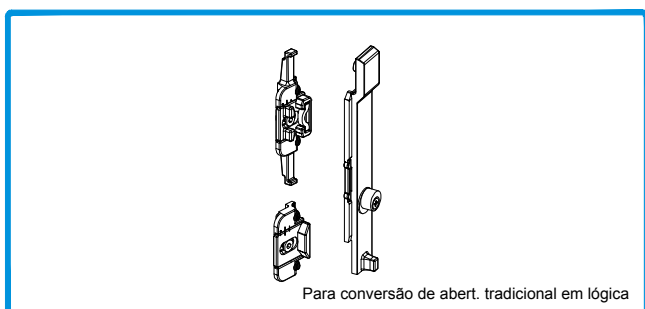
225006 PASSADOR BIDIRECIONAL 2°F



211028 PONTO FECHO EXTRA VERT.

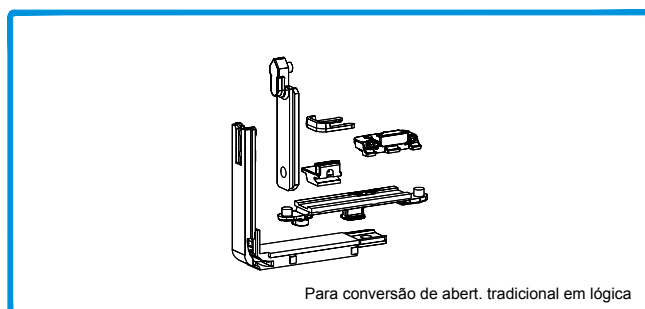


211029 PONTO FECHO EXTRA HORIZ.



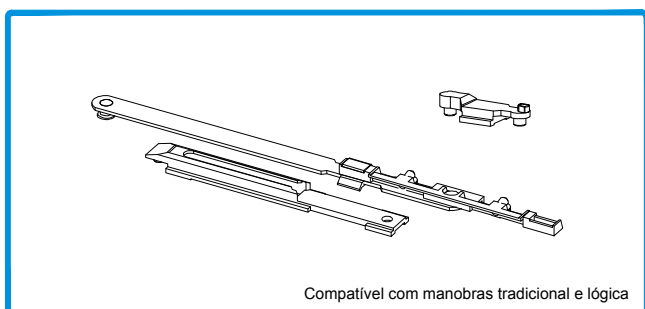
Para conversão de abert. tradicional em lógica

223096 KIT ADICIONAL MANOB. LOGICA



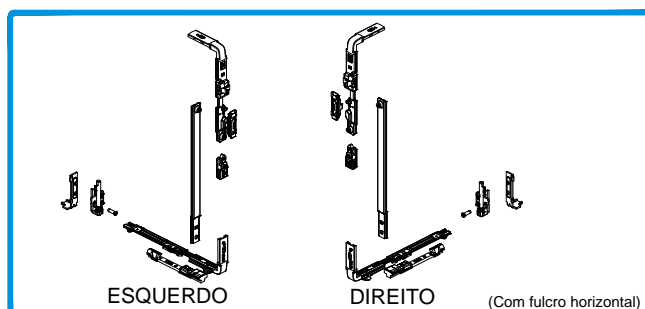
Para conversão de abert. tradicional em lógica

223097 KIT ADICIONAL 2°F MANOB. LÓGICA



Compatível com manobras tradicional e lógica

202518 COMPASSO SUPLEM. OCULTO

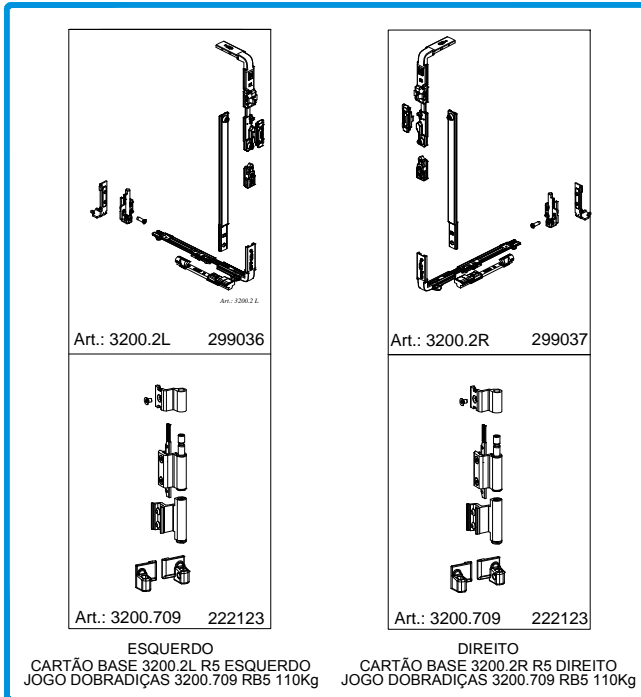


ESQUERDO

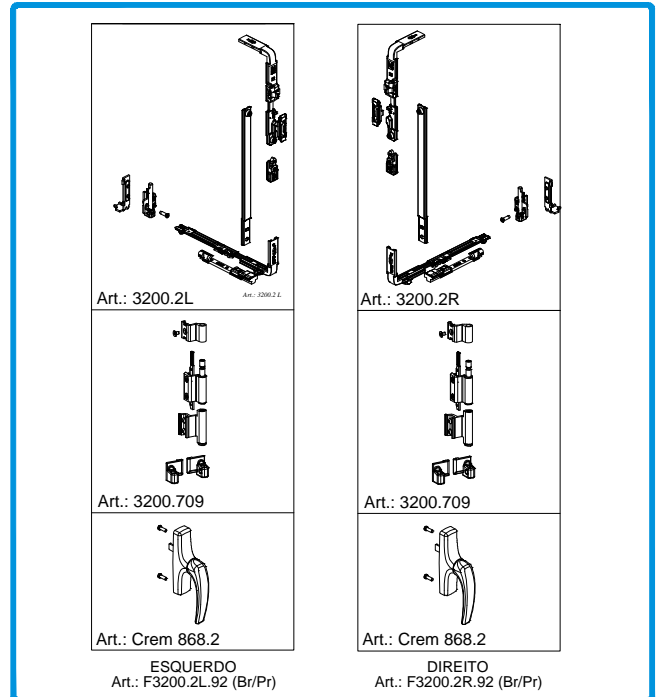
DIREITO

(Com fulcro horizontal)

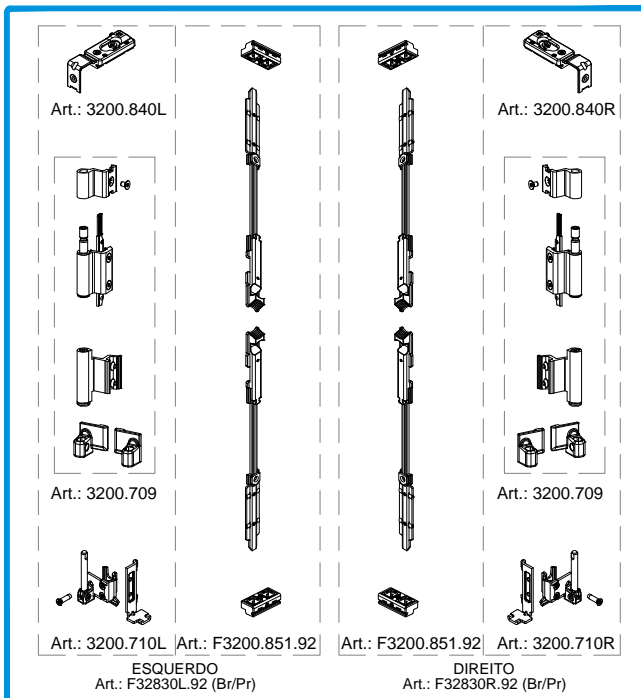
299036 CARTÃO BASE 3200.2L R5 ESQUERDO  
299037 CARTÃO BASE 3200.2R R5 DIREITO



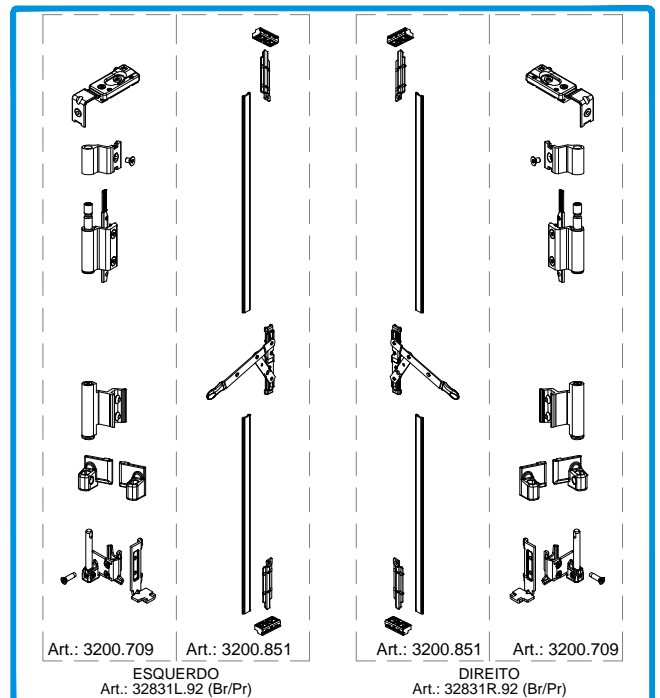
299036 CARTÃO BASE 3200.2L R5 ESQUERDO  
299037 CARTÃO BASE 3200.2R R5 DIREITO  
222123 JOGO DOBRADIÇAS 3200.709 RB5 110Kg



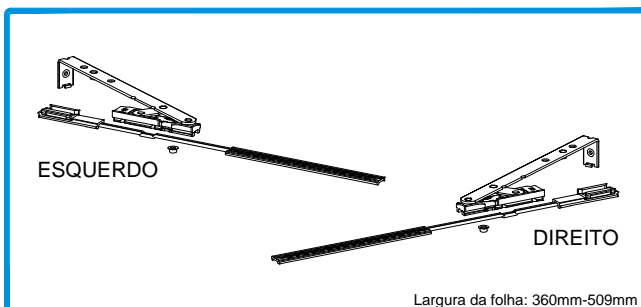
223027 KIT OB 1F S/COMP.F3200.2L.92RB5 ESQ  
223028 KIT OB 1F S/COMP.F3200.2R.92RB5 DIR



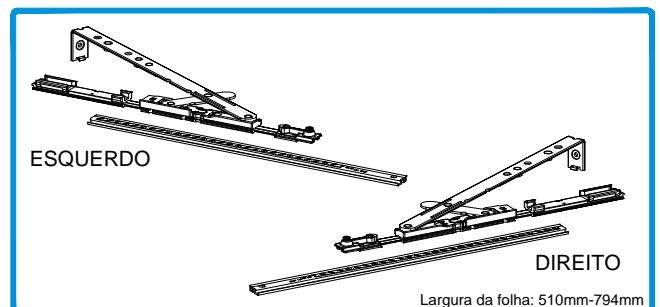
223023 KIT 2ª FOLHA RB5 ESQUERDO  
223024 KIT 2ª FOLHA RB5 DIREITO



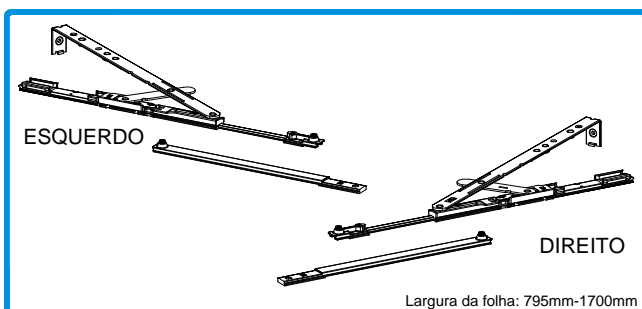
223025 KIT 2ª F BIDIRECIONAL F32831L.92 RB5 ESQ  
223026 KIT 2ª F BIDIRECIONAL F32831R.92 RB5 DIR



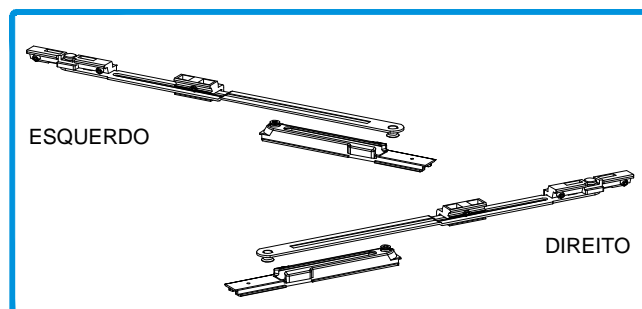
202043 COMPASSO CURTO 3200.750L RB5 ESQUERDO  
202044 COMPASSO CURTO 3200.750R RB5 DIREITO



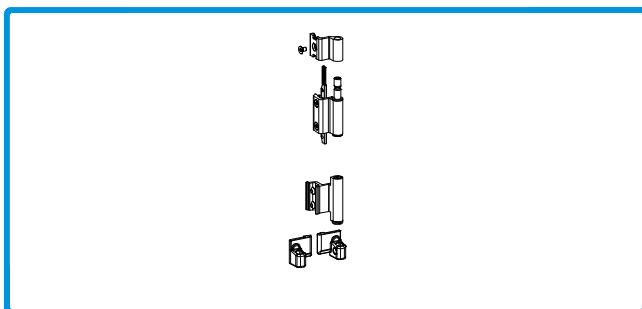
202041 COMPASSO STANDARD 3200.751L RB5 ESQUERDO  
202042 COMPASSO STANDARD 3200.751R RB5 DIREITO



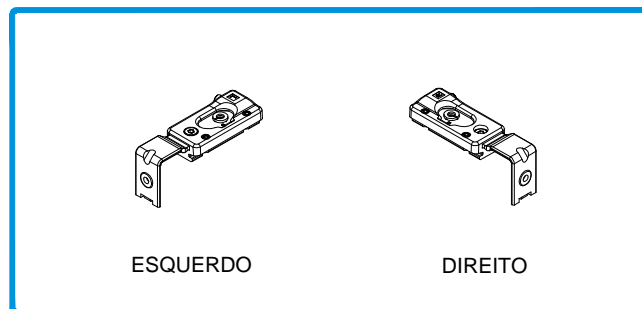
202045 COMPASSO GRANDE 3200.752L RB5 ESQUERDO  
202046 COMPASSO GRANDE 3200.752R RB5 DIREITO



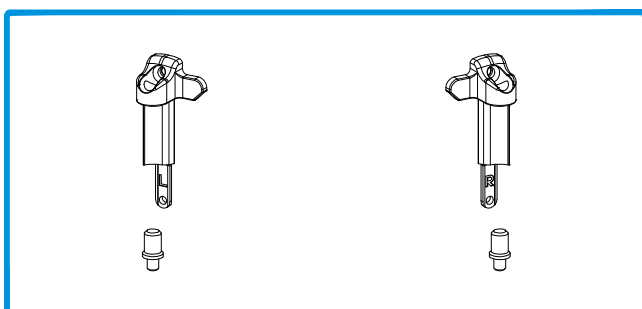
202047 COMPASSO SUPLEMENTAR 3200.800L HORIZ. RB5 ESQ.  
202048 COMPASSO SUPLEMENTAR 3200.800R HORIZ. RB5 DIR.



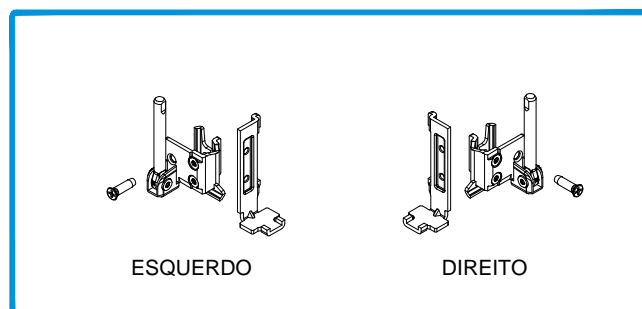
222123 JOGO DOBRADIÇAS 3200.709 RB5 110Kg



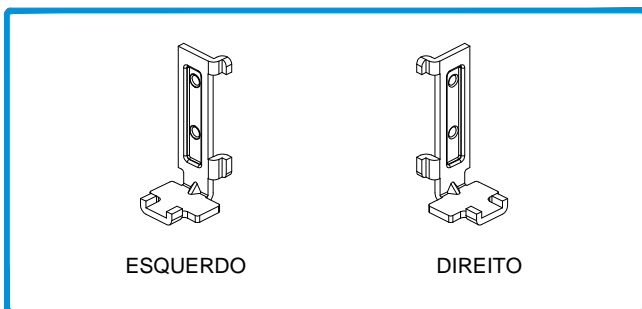
230310 SUPORTE SUPERIOR DE DOBRADIÇAS 3200.840L R5 ESQ.  
230311 SUPORTE SUPERIOR DE DOBRADIÇAS 3200.840R R5 DIR.



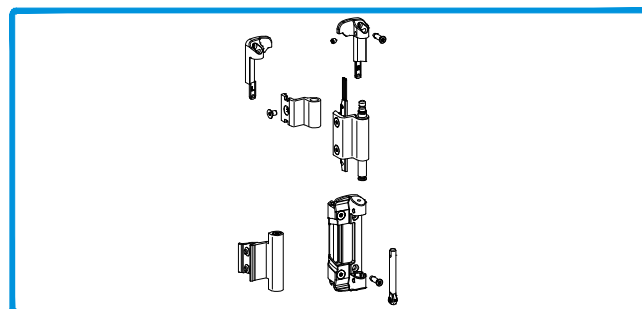
299038 REFORÇO DE DOBRADIÇA PARA 140Kg 3200.708L RB5 ESQ.  
299039 REFORÇO DE DOBRADIÇA PARA 140Kg 3200.708R RB5 DIR.



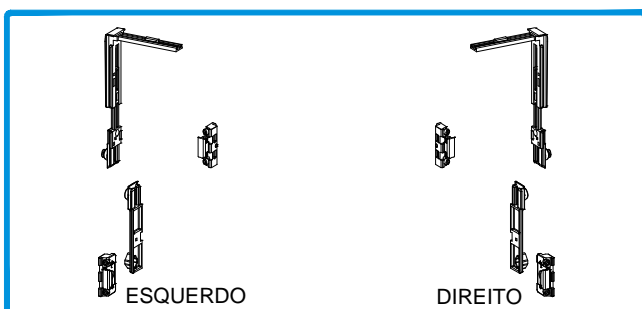
230312 SUPORTE INFERIOR DE DOBRADIÇAS 3200.710L RB5 ESQ.  
230313 SUPORTE INFERIOR DE DOBRADIÇAS 3200.710LR RB5 DIR.



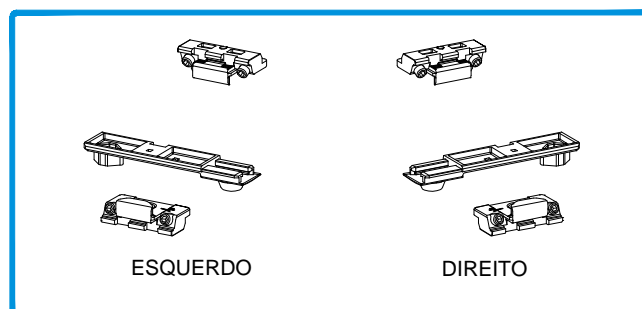
230342 SUPORTE DE DOBRADIÇAS 3200.700L RB5 170Kg ESQ. (Br./Pr.)  
230343 SUPORTE DE DOBRADIÇAS 3200.700R RB5 170Kg DIR. (Br./Pr.)



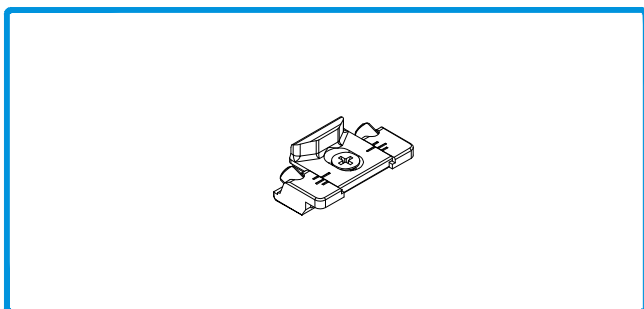
223061 JOGO DE DOBRADIÇAS 3200.701 RB5 170Kg (Br./Pr.)



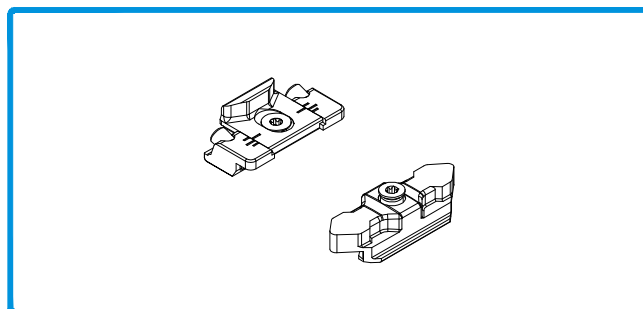
211024 PONTOS DE FECHO EXTRA 3200.820L VERT. RB5 ESQ.  
211025 PONTOS DE FECHO EXTRA 3200.820R VERT. RB5 DIR.



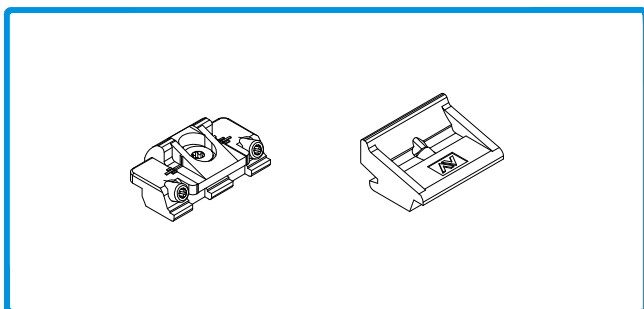
211022 PONTOS DE FECHO EXTRA 3200.825L HORIZ. RB5 ESQ.  
211023 PONTOS DE FECHO EXTRA 3200.825R HORIZ. RB5 DIR.



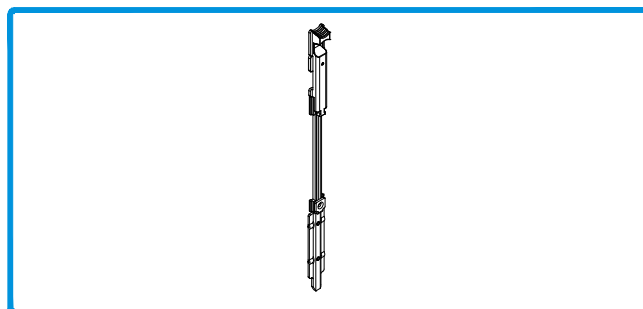
211026 PONTO DE FECHO SUPLEMENTAR FIXO 1243.721W RB5



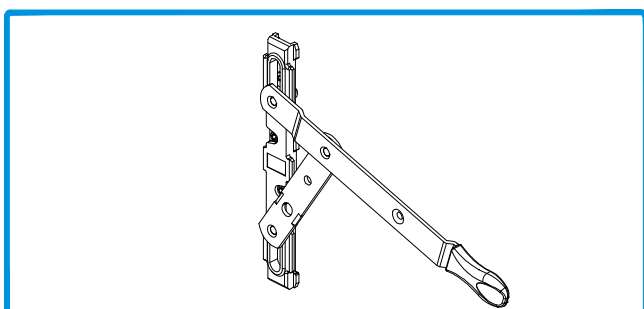
211027 PONTO DE FECHO SUPLEMENTAR FIXO/MÓVEL 3200.810 RB5



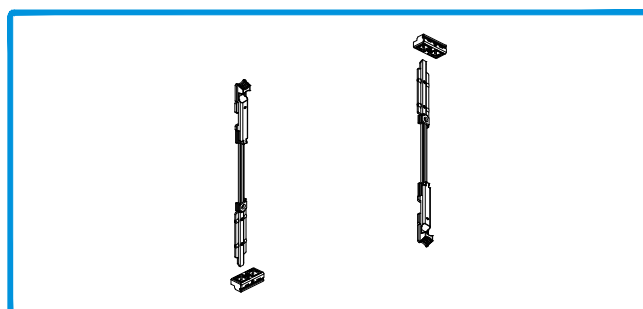
201044 FECHO SUPLEMENTAR 1246.832W RB5



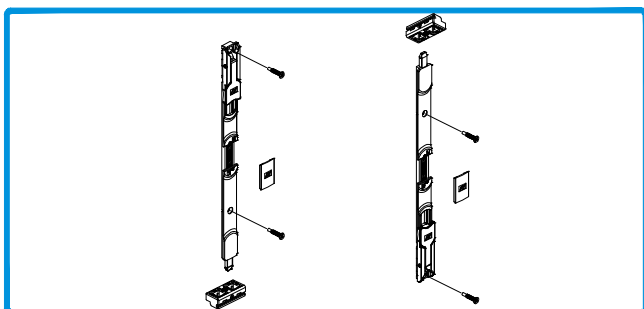
225168 PASSADOR COM PONTEIRA INOX 3200.851RB5



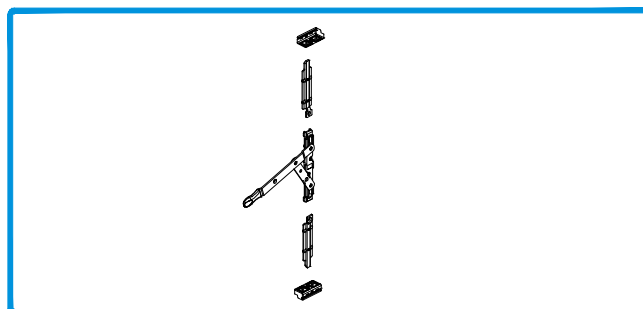
225169 PASSADOR DE ALAVANCA BIDIRECIONAL 1538 RB5



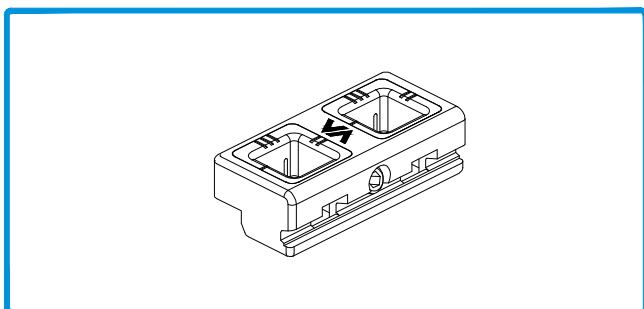
212091 CONJ. FECHOS PASSADOR 2ªFOLHA Inox F3200.851.92 RB5



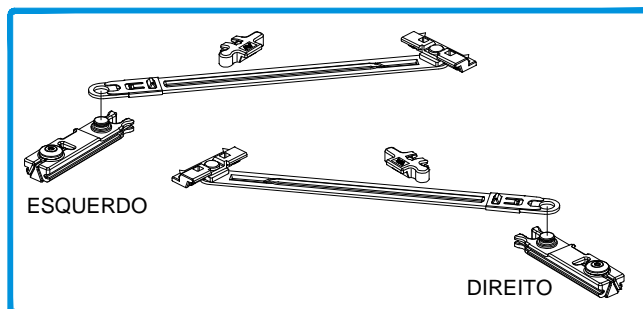
212095 CONJUNTO FECHOS DE ALAVANCA 2ª FOLHA F1539 RB5



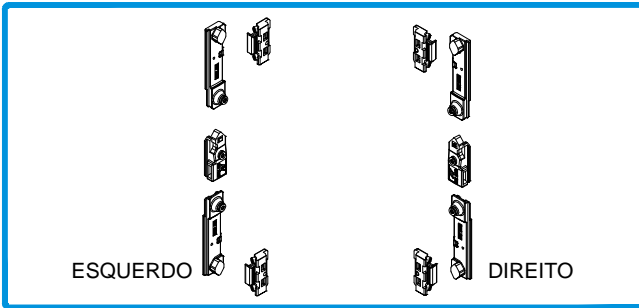
212139 CONJUNTO DE FECHO ALAVANCA BIDIRECIONAL 2ª FOLHA Inox F1538.4 RB5



202316 CONTRA-FECHO DUPLO REG. 1414W RB5

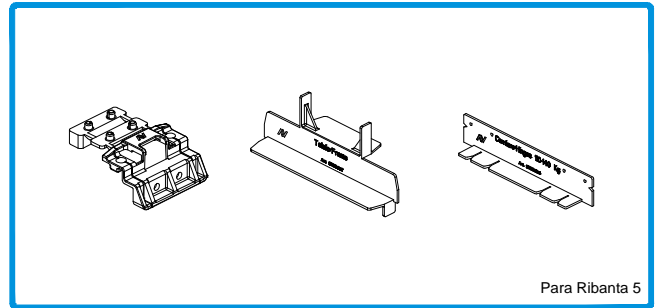


202049 COMP. LIMITADOR C/RETENÇÃO 200mm 1343.8L /20 RB5 ESQ.  
202055 COMP. LIMITADOR C/RETENÇÃO 200mm 1343.8R /20 RB5 DIR.



223021  
223022

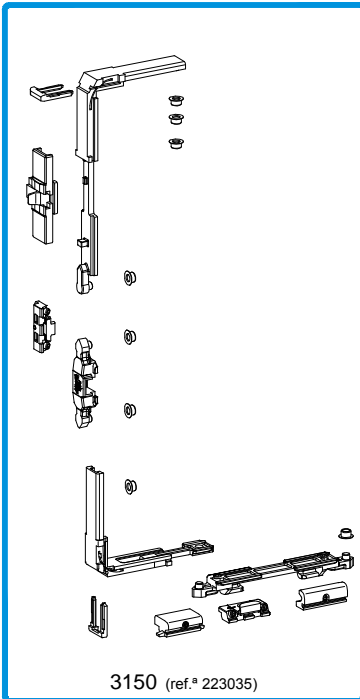
KIT 1 FOLHA BATENTE 3200.600L RB5 ESQ.  
KIT 1 FOLHA BATENTE 3200.600R RB5 DIR.



212220

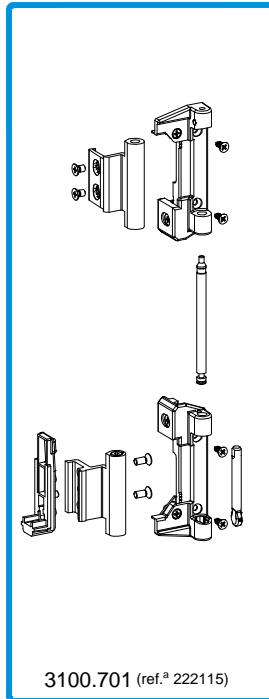
CONJUNTO GABARITOS 3200.954

Para Ribanta 5



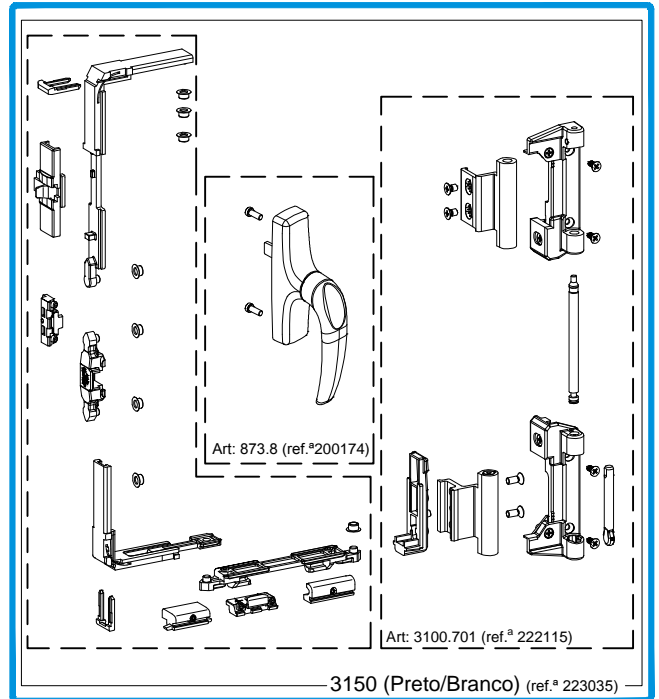
3150 (ref.º 223035)

223035  
222115



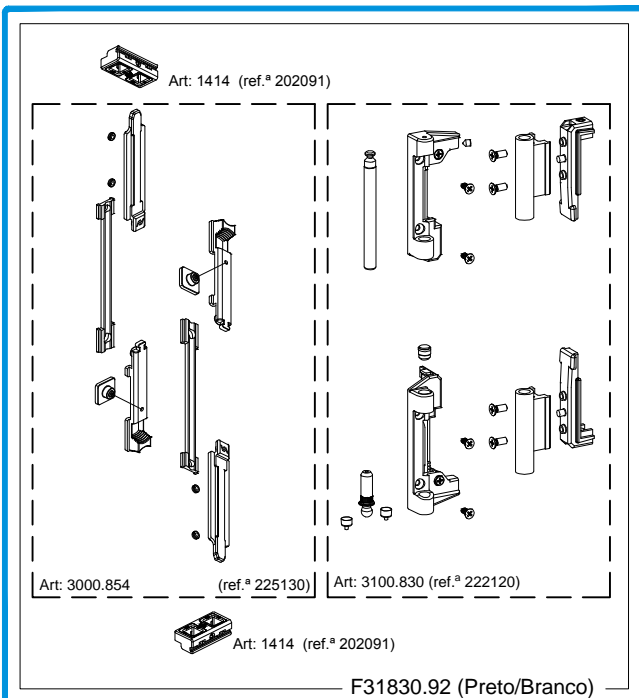
3100.701 (ref.º 222115)

KIT OSC-BATENTE 3150  
JOGO DOBRADIÇA 3100.701



3150 (Preto/Branco) (ref.º 223035)

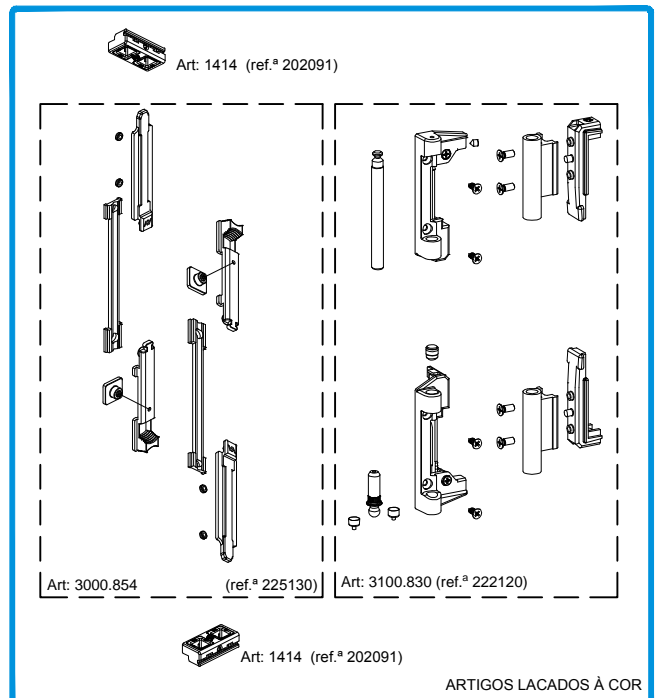
223029 KIT OSC-BATENTE 1 FOLHA S/COMPASSO F3150.92 RB3 (Br./Pr.)



223030

KIT 2ª FOLHA F31830.92 RB3 (Br./Pr.)

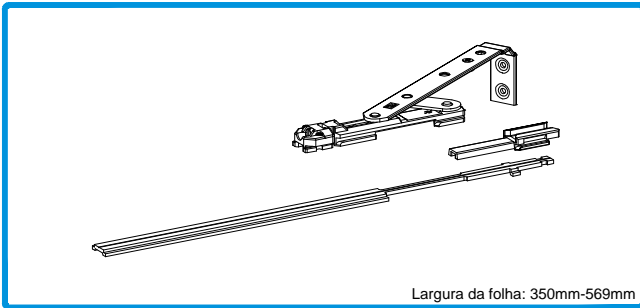
F31830.92 (Preto/Branco)



225130  
222120  
202091

PASSADOR FOLHA 300.854  
JOGO DOBRADIÇA 3100.830  
CONTRA FECHO DUPLO REGULÁVEL 1414

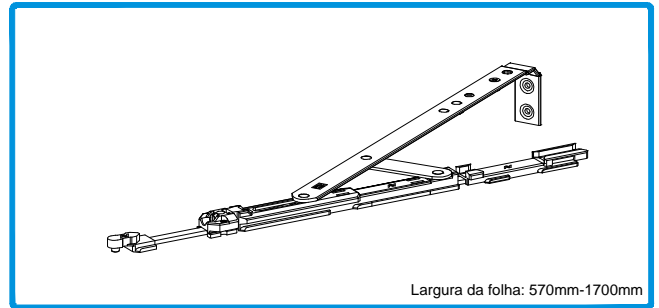
ARTIGOS LACADOS À COR



Largura da folha: 350mm-569mm

202060

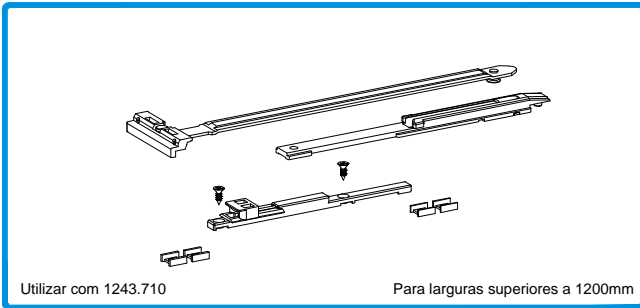
COMPASSO CURTO 3150.752 RB3



Largura da folha: 570mm-1700mm

202058

COMPASSO STANDARD 3150.750 RB3

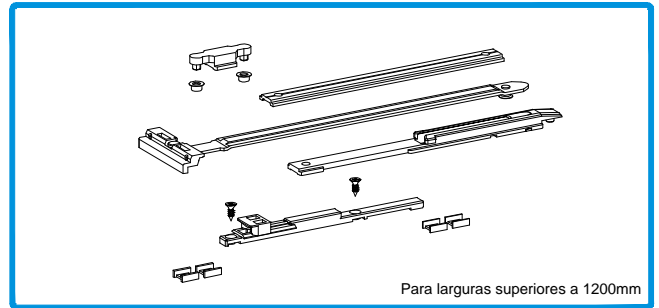


Utilizar com 1243.710

Para larguras superiores a 1200mm

202068

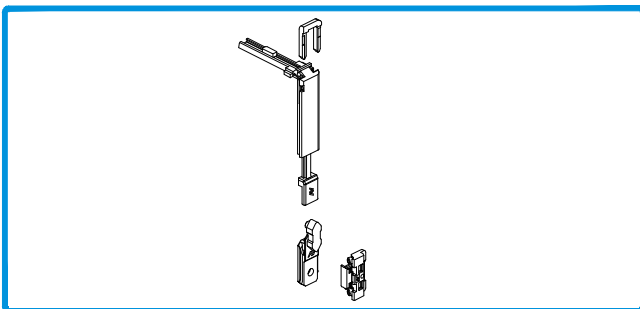
COMPASSO SUPLEMENTAR 3100.800



Para larguras superiores a 1200mm

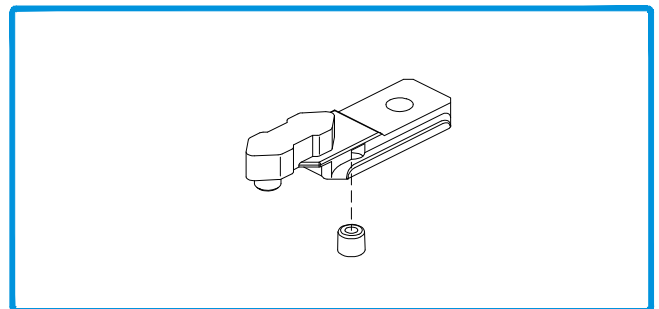
202015

COMPASSO SUPLEMENTAR 3150.800 RB3



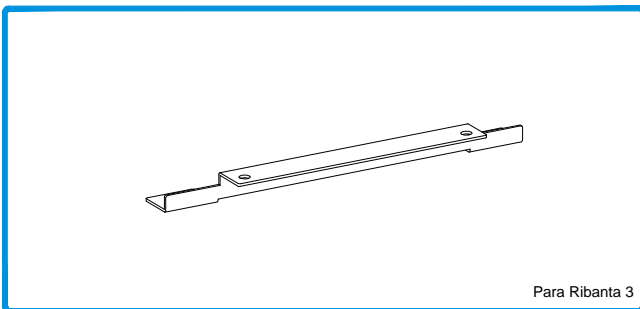
223750

KIT PARA 6 PONTOS DE FECHO 3000.820



211524

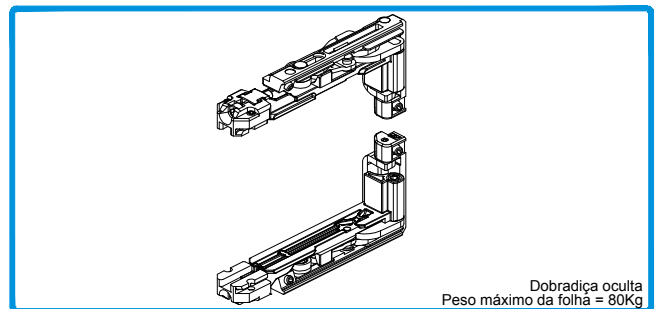
PONTO DE FECHO 3100.821



Para Ribanta 3

211211

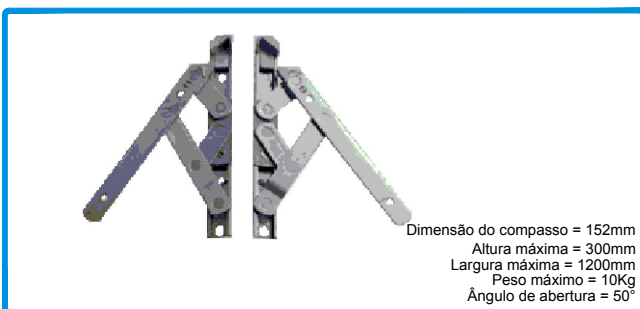
GABARITO MONTAGEM 3100.950



Dobradiça oculta  
Peso máximo da folha = 80Kg

222121

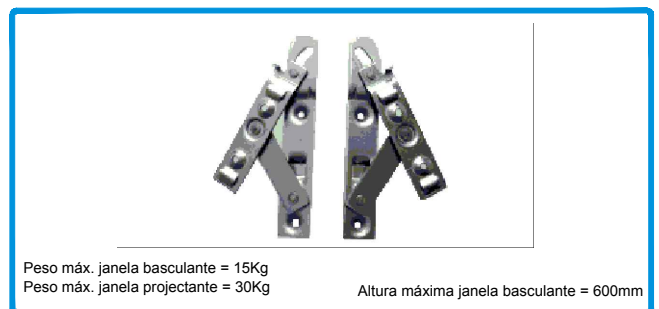
JOGO DOBRADIÇA 3020 (Zamak Preto)



Dimensão do compasso = 152mm  
Altura máxima = 300mm  
Largura máxima = 1200mm  
Peso máximo = 10Kg  
Ângulo de abertura = 50°

212030

CONJUNTO BRAÇO PARA PROJECTANTES S 150

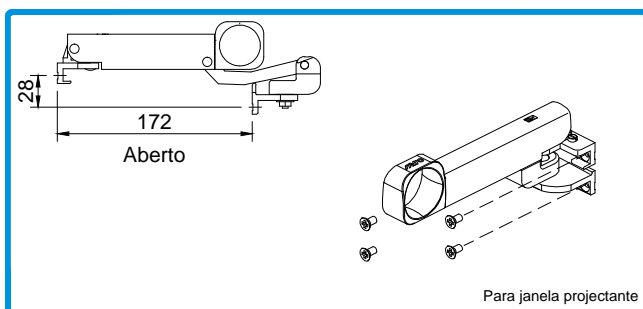


Peso máx. janela basculante = 15Kg  
Peso máx. janela projectante = 30Kg

Altura máxima janela basculante = 600mm

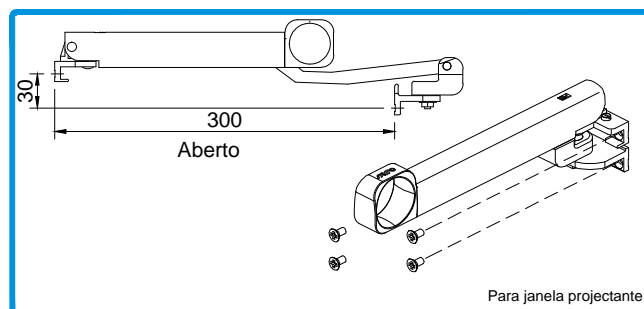
212060

CONJUNTO DOBRADIÇA INOX 1953  
(PARA JANELA BASCULANTE OU PROJECTANTE)



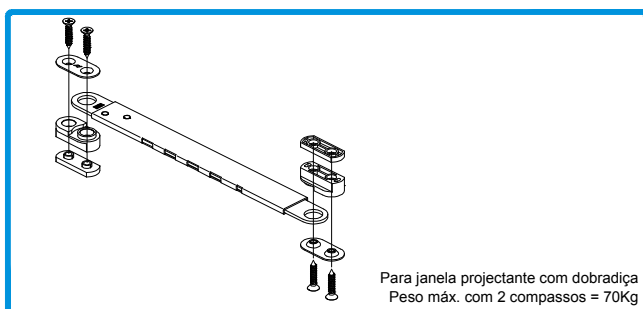
214253

COMANDO 1206.1/1 LAC. 905



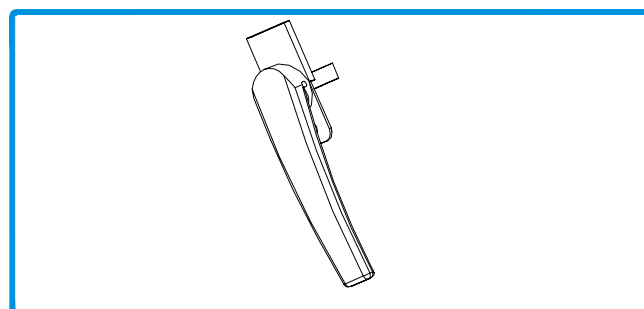
202605

COMANDO 1206.1/2 LAC. 900



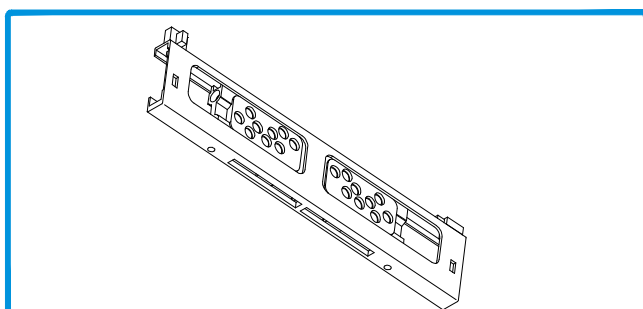
202065

COMPASSO SAVIO 1307.1



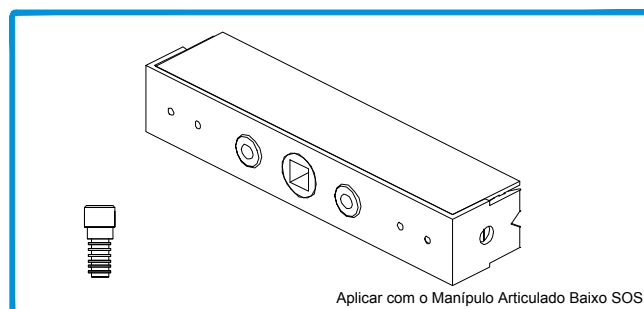
416006

MANÍPULO ARTICULADO BAIXO SOS



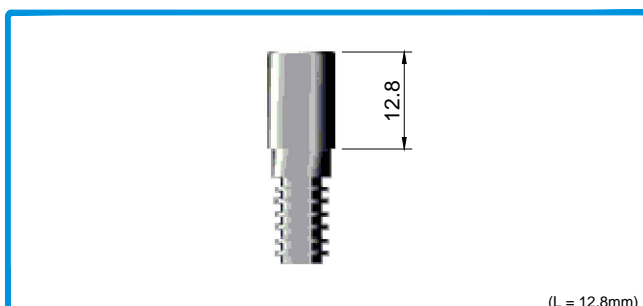
223670

KIT MOV. INT. 1475.6



228210

MECANISMO INTERIOR SOS



290101

PARAFUSO PB 12.8 mm



223102

KIT FIXAÇÃO ABERTURA EXTERIOR



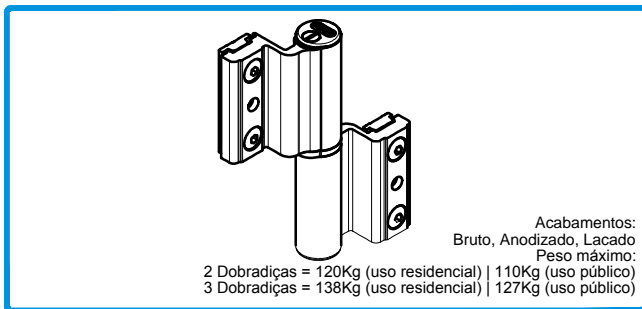
228012

MECANISMO MONO 90 EXT 0507177



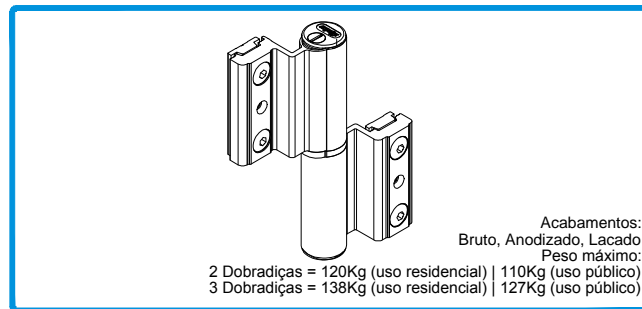
228013

MECANISMO MONO 180 EXT 0507178



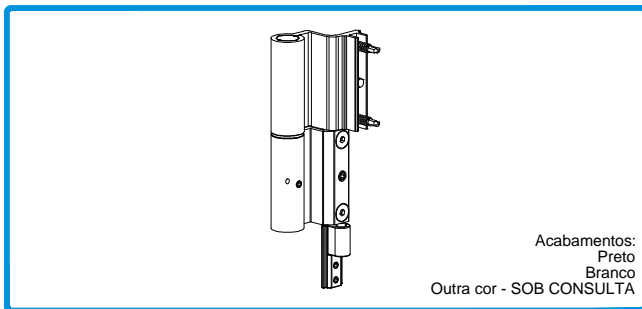
202235

DOBRADIÇA PORTA 2L AFINAÇÃO 3D



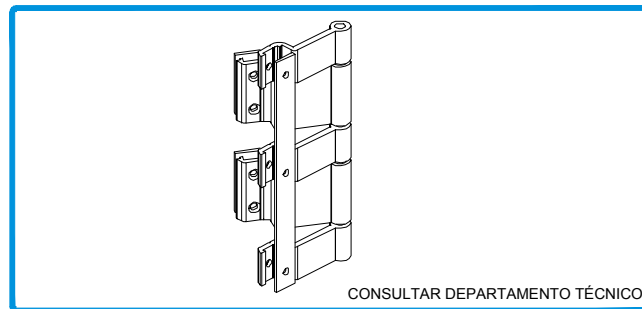
202236

DOB. 3ªF PORTA 2L AFINAÇÃO 3D



202212

DOBR. PORTA C16 AFINAÇÃO 3D



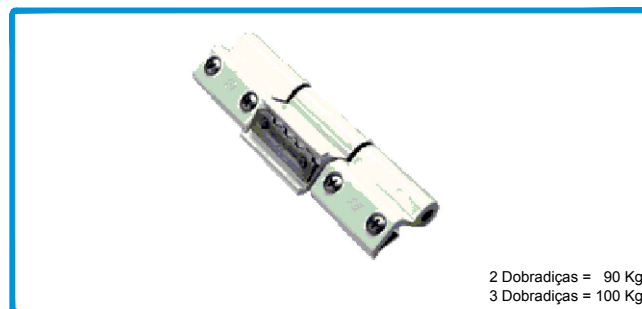
202141

DOBRADIÇA AVANÇO PB 2000



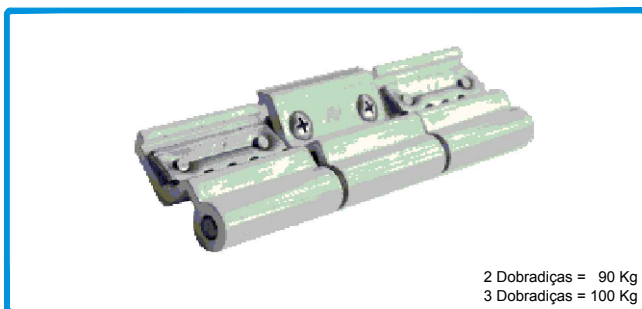
202208

DOBRADIÇA MORSA 1121.1



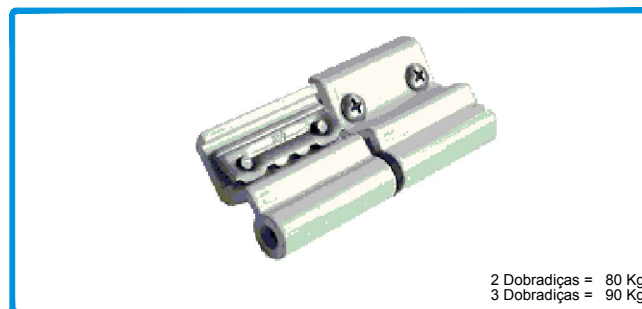
202104

DOBRADIÇA MORSA 1122



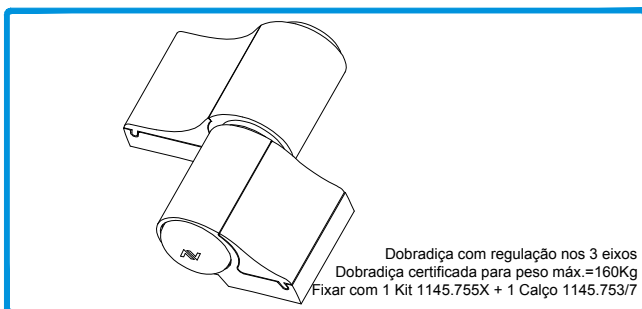
202112

DOBRADIÇA MORSA PARA A 3ª FOLHA 1122.92



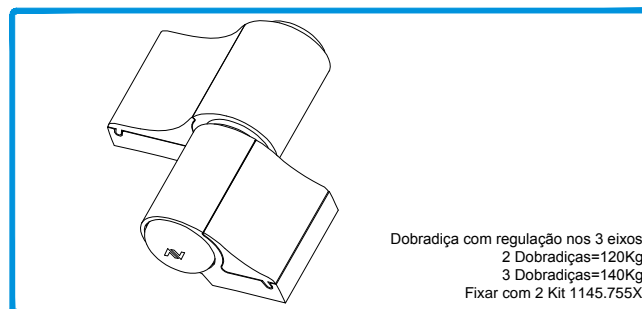
202209

DOBRADIÇA MORSA 1123



202010

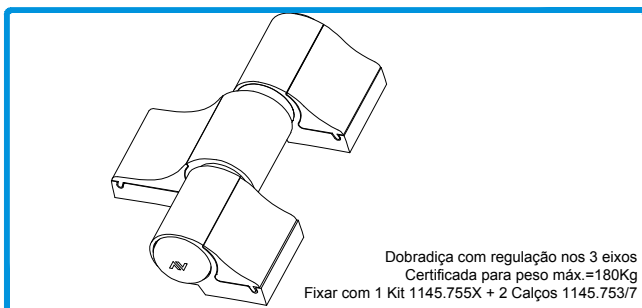
DOBRADIÇA MECHANICA 2 ABAS 1145/60



202012

DOBRADIÇA MECHANICA 2 ABAS 1145/79

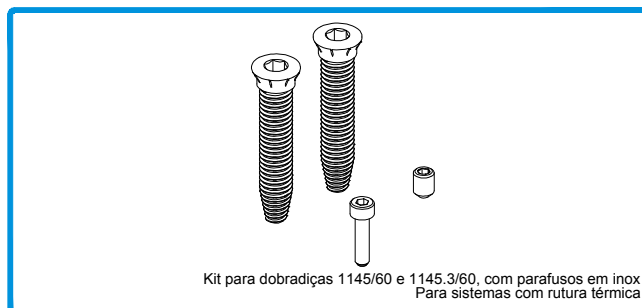




Dobradiça com regulação nos 3 eixos  
Certificada para peso máx.=180Kg  
Fixar com 1 Kit 1145.755X + 2 Calços 1145.753/7

202610  
000000

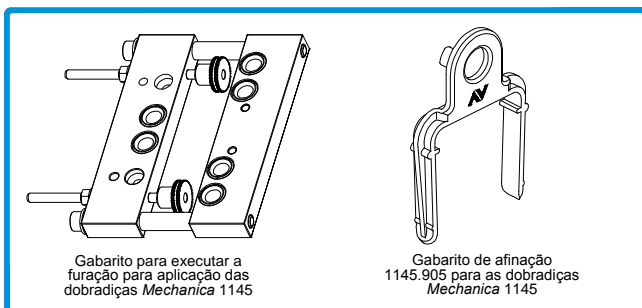
DOBRADIÇA MECHANICA 3 ABAS 1145.3/60  
DOBRADIÇA MECHANICA 3 ABAS 1145.3/79



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

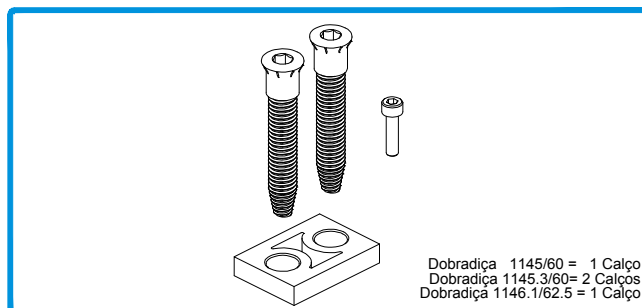


Gabarito para executar a  
furação para aplicação das  
dobradiças *Mechanica* 1145

Gabarito de afinação  
1145.905 para as dobradiças  
*Mechanica* 1145

211101

GABARITO PARA FURAÇÃO 1145.908



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

218182

CALÇO PARA DOBRADIÇA MECHANICA 1145.753/7



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

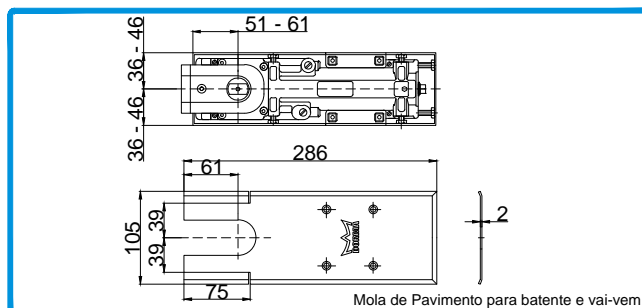
202107

DOBRADIÇA 3 ABAS 1146.13/62.5



Gabarito para dobradiças *Mechanica* 1146.1/62.5 e 1146.13/62.5

GABARITO MONTAGEM 1145.901



Mola de Pavimento para batente e vai-vem

228071

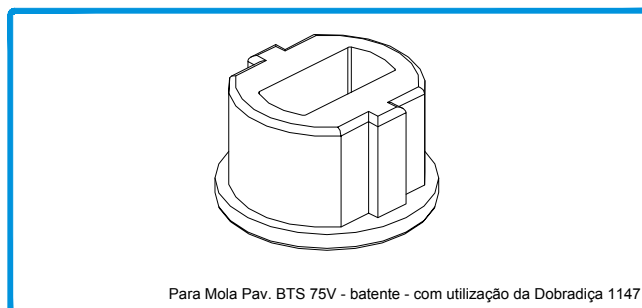
MOLA DE PAVIMENTO BTS 75V



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

202511

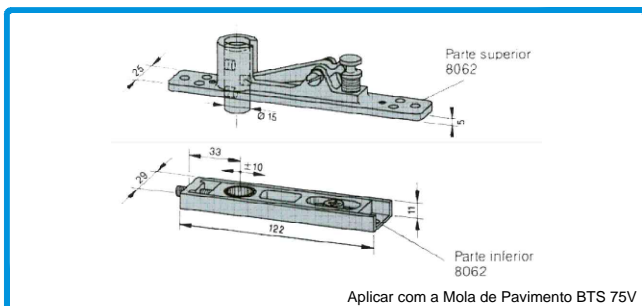
DOBRADIÇA P/ MOLA 1147



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

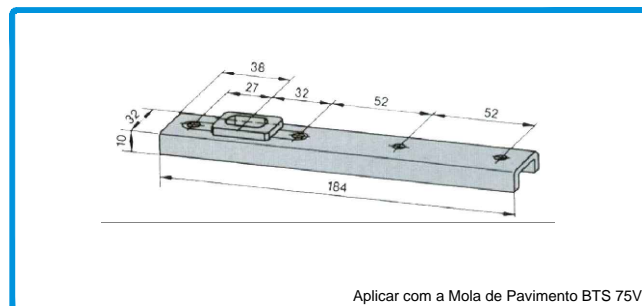
207327

SEPARADOR R. TER/1129.802 OXID



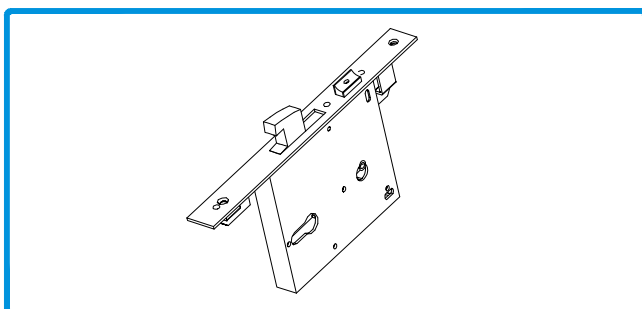
227111

PIVOT SUPERIOR VAI-DEM 8062



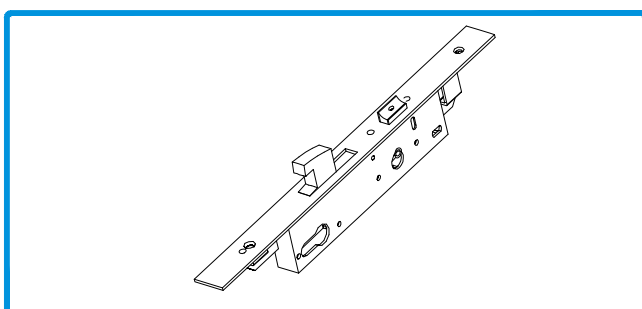
210104

BRAÇO INFERIOR VAI-DEM 8021



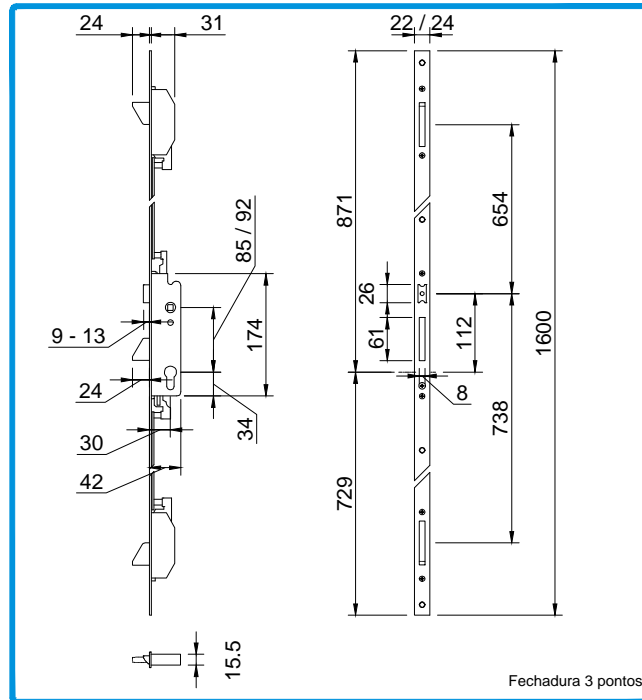
201013

FECHADURA DE ALMOFADA 5791x90



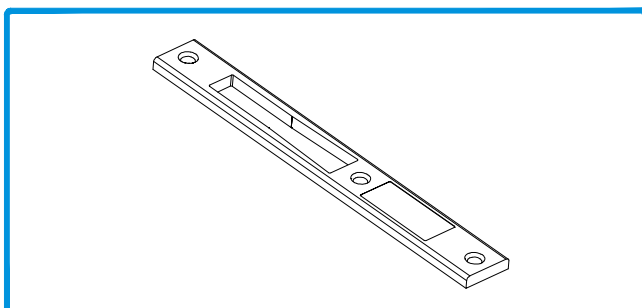
201073  
201050

FECHADURA 7716x30  
FECHADURA 7716x35



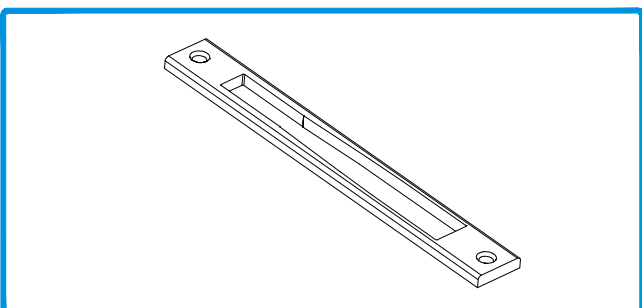
201128

FECHADURA 7717x30



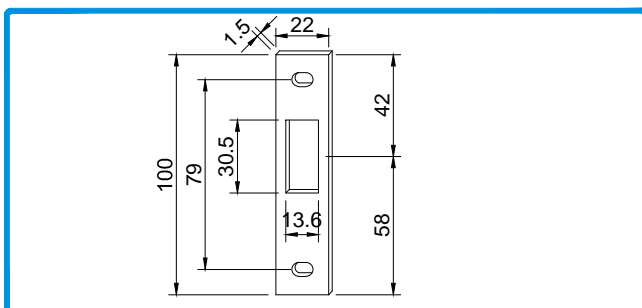
280220

TESTA FECHADURA PRUMO 2000



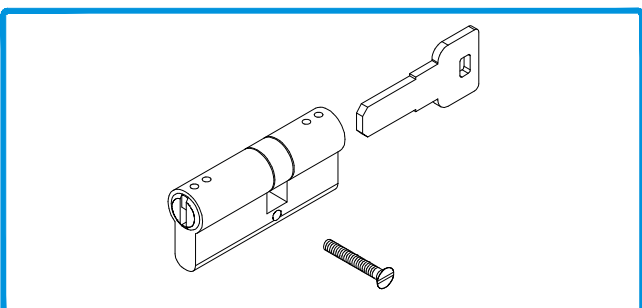
280230

TESTA FECHADURA STAND 2001



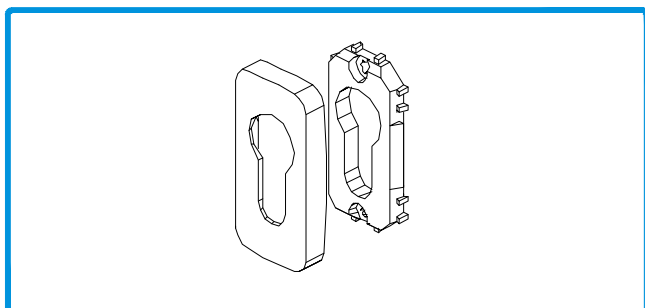
280200

TESTA FECHADURA 5791x90



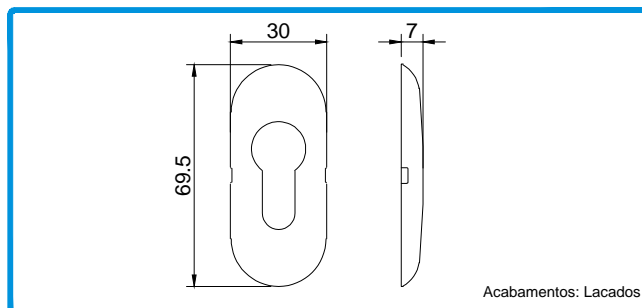
230502  
230503

SEGREDO 70/30 NIQUELADO  
SEGREDO SEGURANÇA 70/32 NIQUELADO



220190

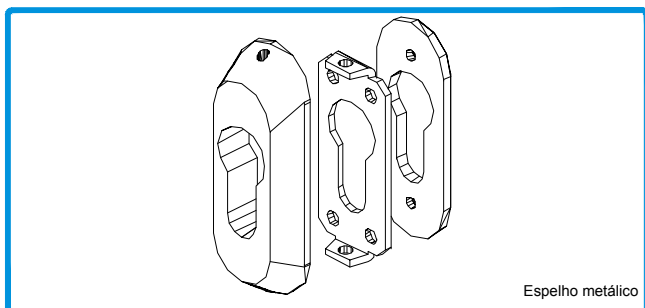
ESPELHO 874.801 (Br./Pr.)



220251

ESPELHO P/SEGREDO 3500

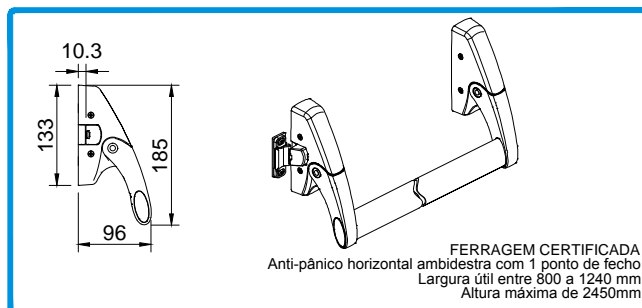
Acabamentos: Lacados



220008

ESPELHO PARA SEGURANÇA 5100 (Pr.)

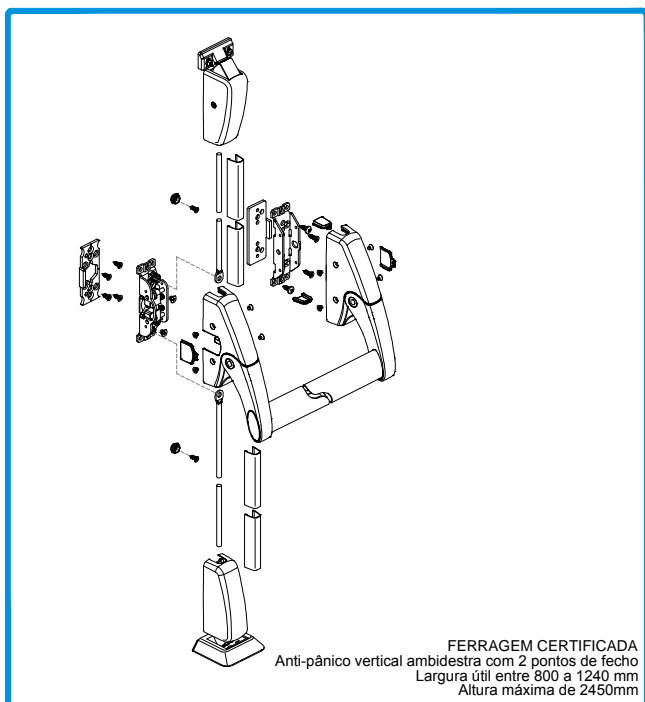
Espelho metálico



200993

ANTI-PÂNICO HORIZONTAL 6010.1/1200

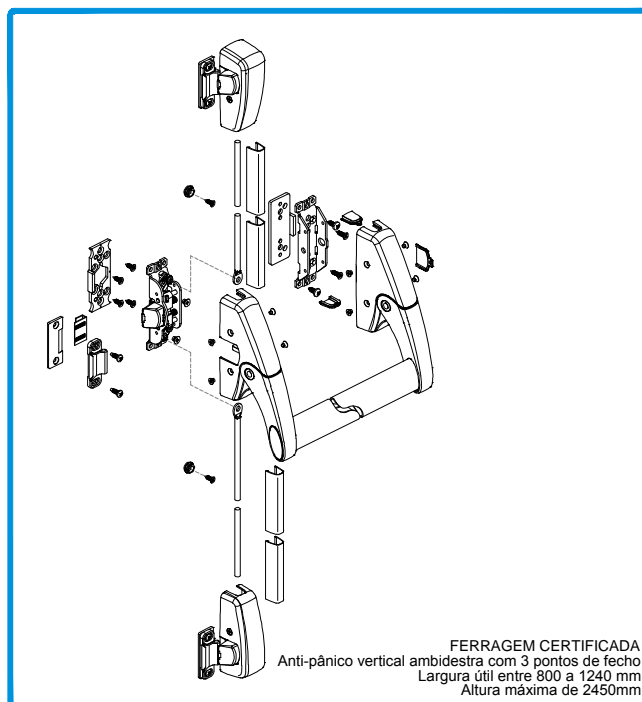
FERRAGEM CERTIFICADA  
Anti-pânico horizontal ambidestra com 1 ponto de fecho  
Largura útil entre 800 a 1240 mm  
Altura máxima de 2450mm



200991

ANTI-PÂNICO HORIZONTAL 6010.2/1200

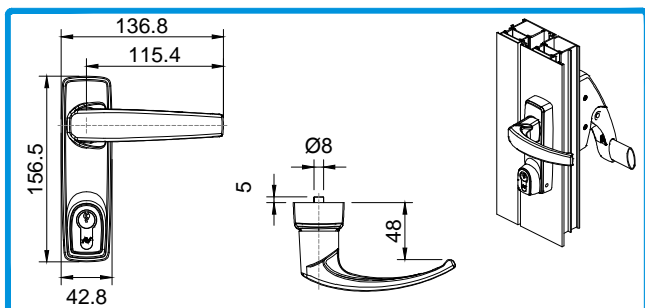
FERRAGEM CERTIFICADA  
Anti-pânico vertical ambidestra com 2 pontos de fecho  
Largura útil entre 800 a 1240 mm  
Altura máxima de 2450mm



200992

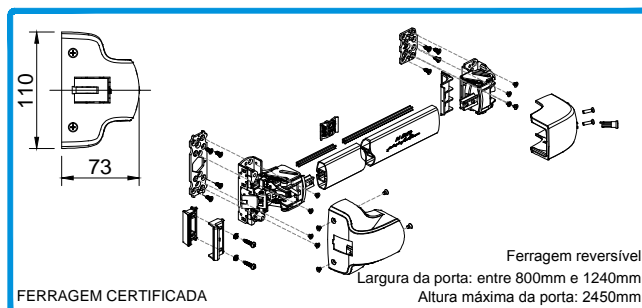
ANTI-PÂNICO HORIZONTAL 6010.3/1200

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



200347

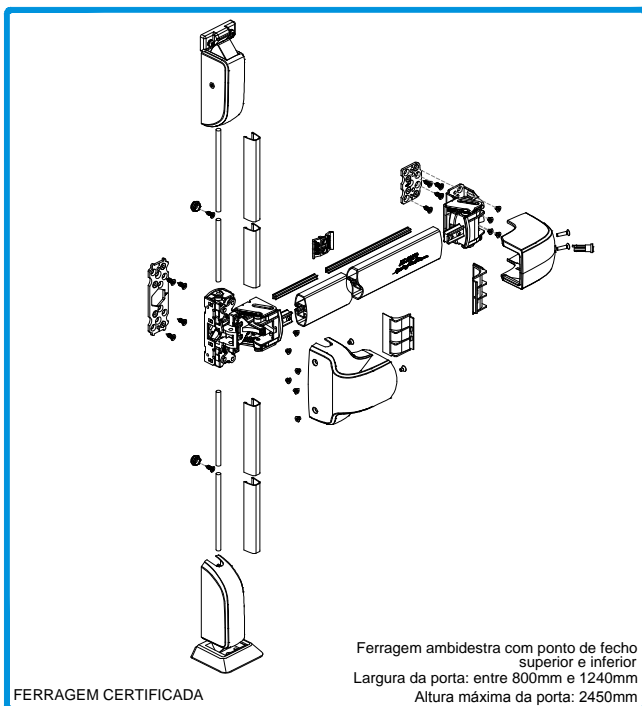
CREMONE COM FECHADURA 6010.875



200970

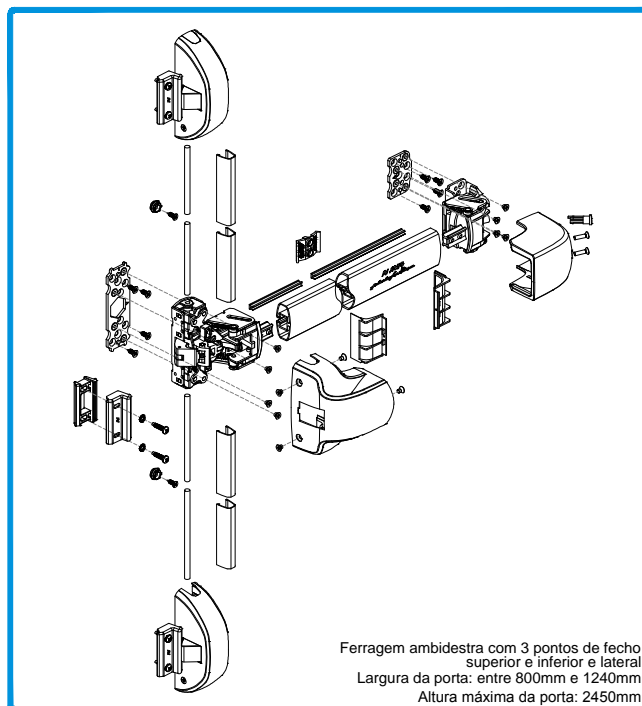
ANTI-PÂNICO HORIZONTAL 6100.1/1085

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



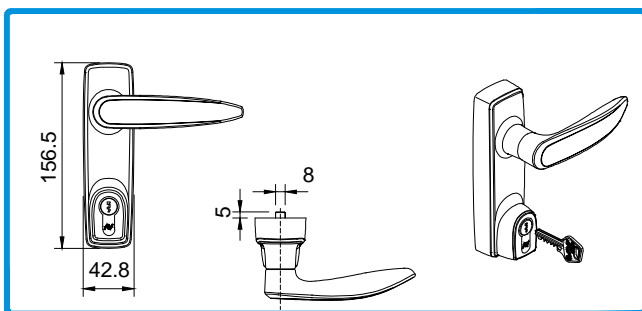
200995

ANTI-PÂNICO VERTICAL 6100.2/1085



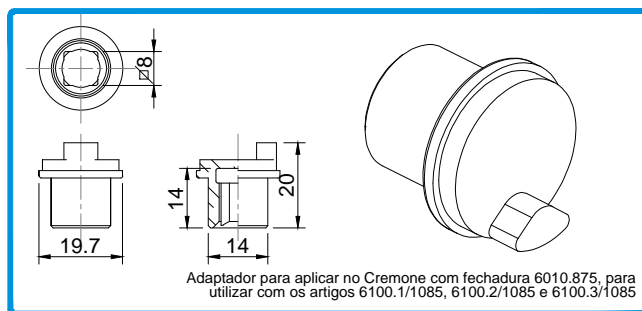
200971

ANTI-PÂNICO VERTICAL 6100.3/1085



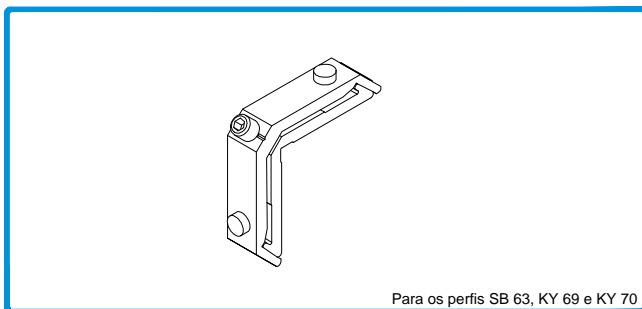
200914

CREMONE COM FECHADURA 6000.875 Pr.



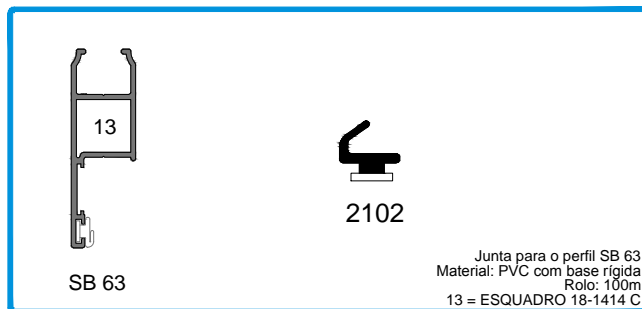
213143

ADAPTADOR PARA CREMONE C/FECHADURA 6000.401



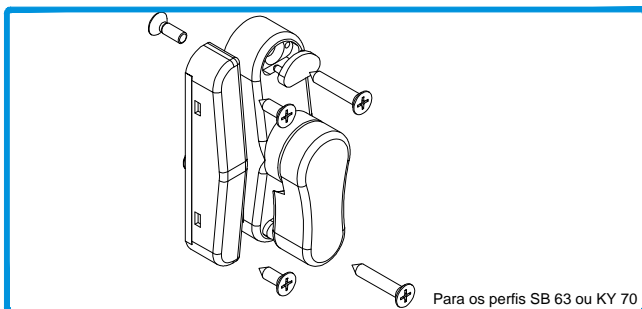
204029

ESQUADRO 18-1414 C



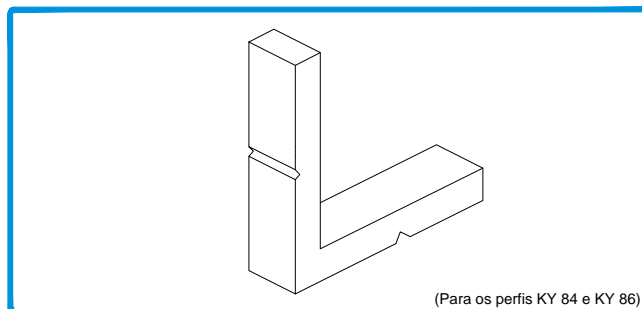
208264

JUNTA ESTANQUICIDADE 2102



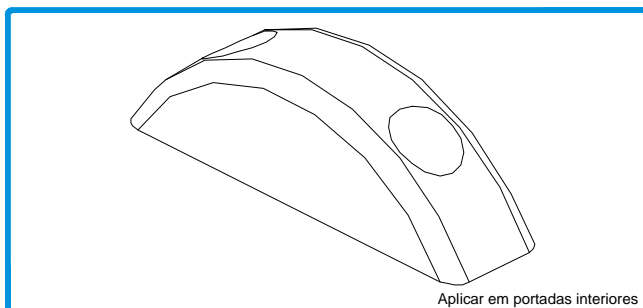
231214

TRINCO REVERSÍVEL 9566 (Br./Pr.)



204380

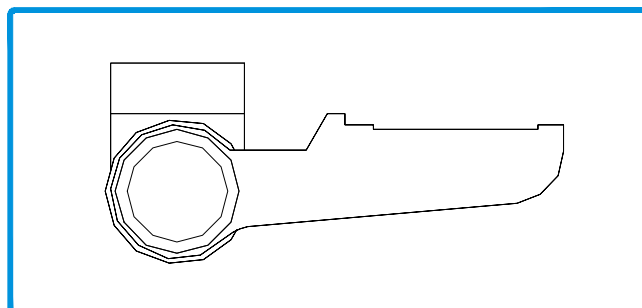
ESQUADRO 1108



Aplicar em portadas interiores

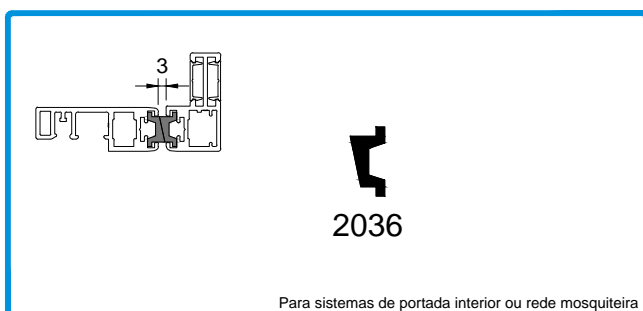
214146

BATENTE PARA PERSIANA 877.804



202229

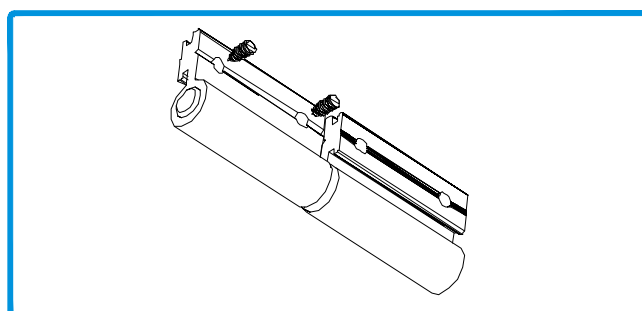
DOBRADIÇA PARA SISTEMA TAPA-LUZ



Para sistemas de portada interior ou rede mosquiteira

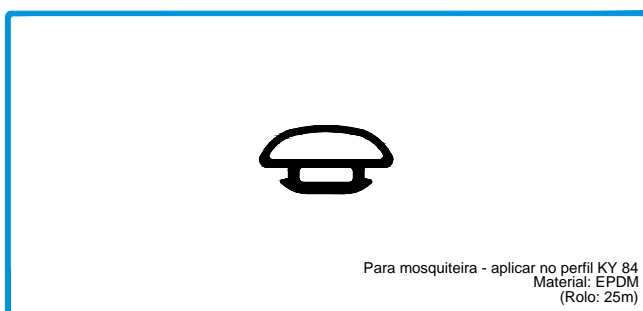
215155

PERFIL MAGNÉTICO 2036



202230

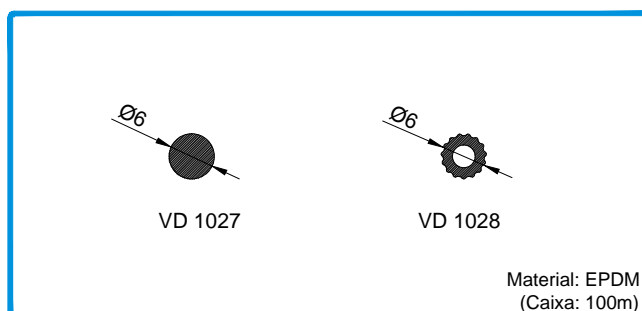
DOBRADIÇA PARA PORTADAS INTERIORES/REDE MOSQUITEIRA



Para mosquiteira - aplicar no perfil KY 84  
Material: EPDM  
(Rolo: 25m)

208261

JUNTA ESTANQUICIDADE 2027



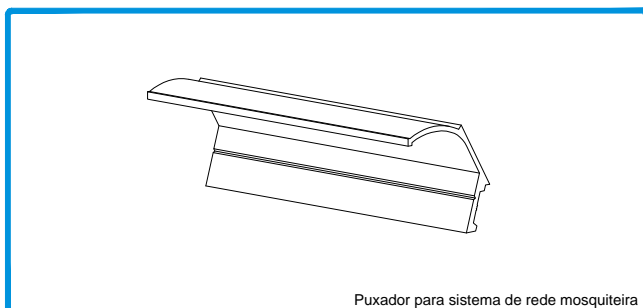
VD 1027

VD 1028

Material: EPDM  
(Caixa: 100m)

208310  
208311

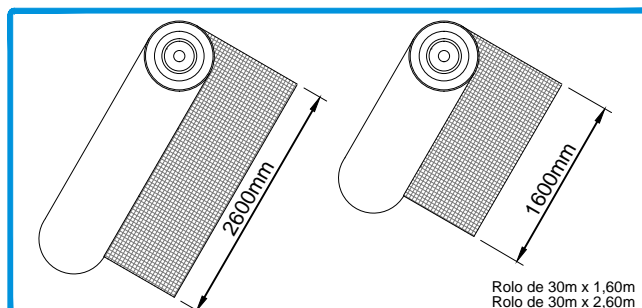
VEDANTE PARA MOSQUITEIRA 1027 Pr.  
VEDANTE PARA MOSQUITEIRA 1028 Pr.



Puxador para sistema de rede mosquiteira

200910

PUXADOR SIMPLES SOS 80



Rolo de 30m x 1,60m  
Rolo de 30m x 2,60m

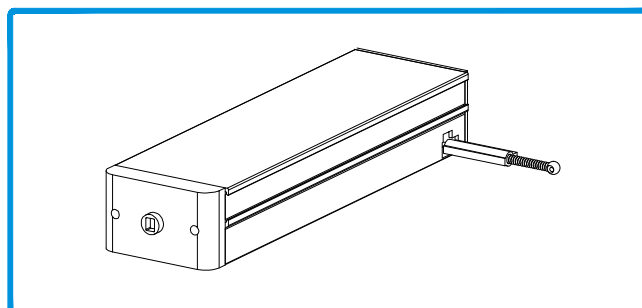
229105  
229106

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



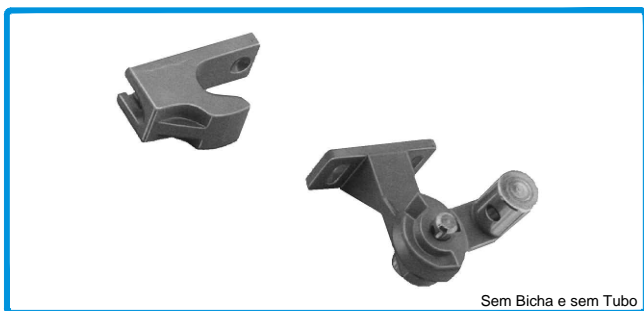
213124

ACIONADOR MECÂNICO CINZA



212248

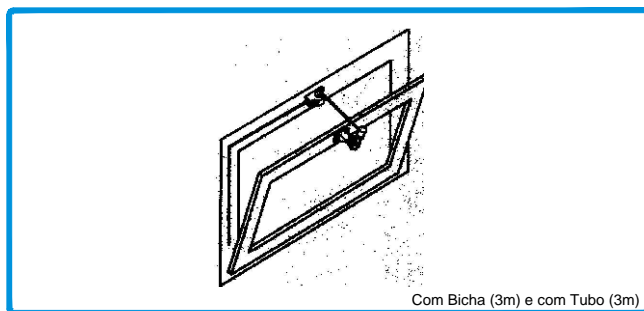
ACCIONADOR ELÉCTRICO PRT.



Sem Bicha e sem Tubo

223760

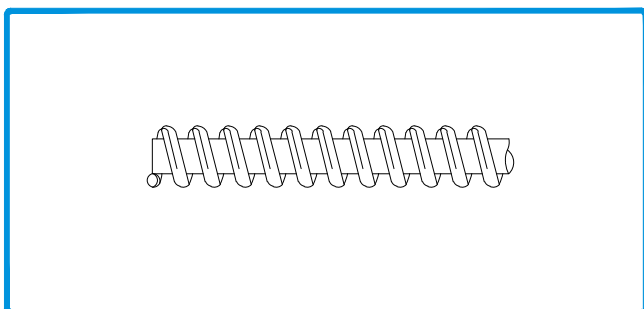
KIT PARA BASCULANTE SIMPLES



Com Bicha (3m) e com Tubo (3m)

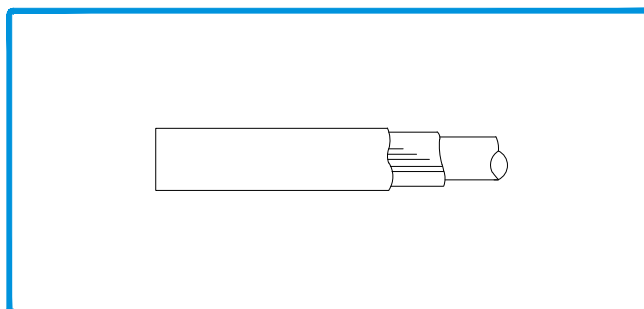
223906

KIT COMPLETO QL. 1 (3m)



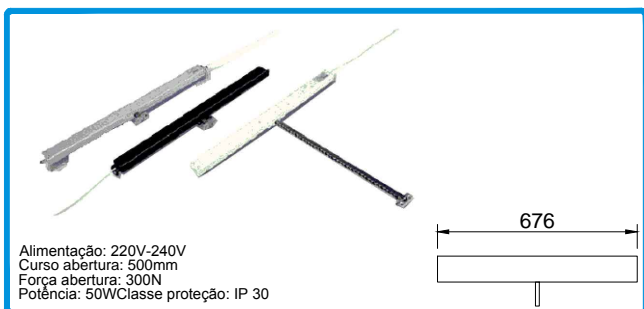
217118

BICHA F604 (POR METRO)

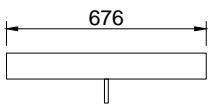


231002

TUBO F111 ( 3 METROS)



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

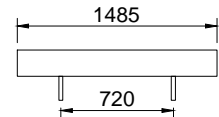


212640

ACIONADOR 40837Z

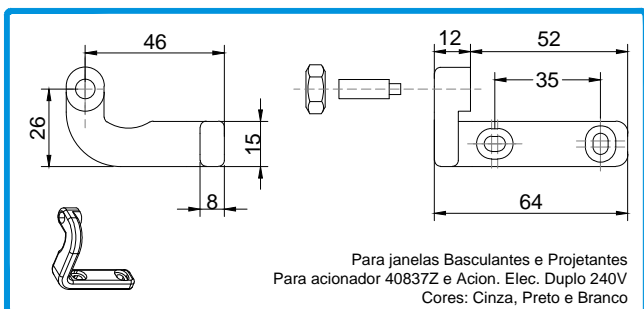


Acionador para janelas projetantes e basculantes  
Voltagem: 100Vac - 240Vac  
Inversão de marcha: por inversão de polaridade  
Abertura: 500mm  
Força: 600N  
Classe de proteção: IP 30  
Cores: Natural, Preto, Branco



212036

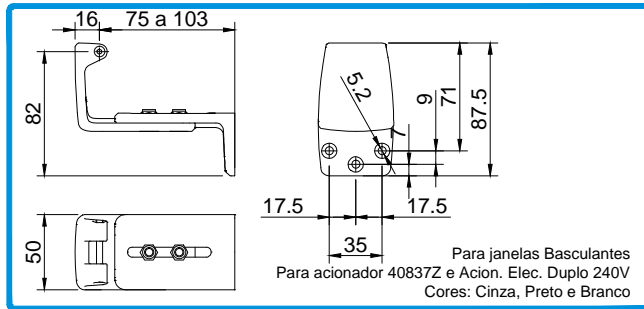
ACIONADOR ELÉCTRICO DUPLO 240Vac 40989D



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.)



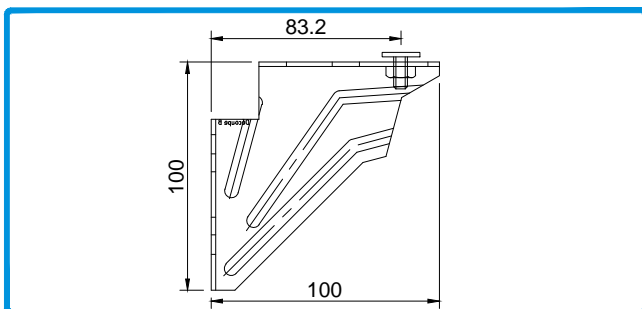
207203

PRESILHA M6 x 17mm

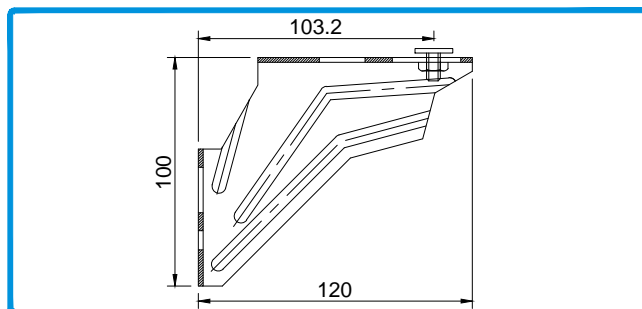


207220

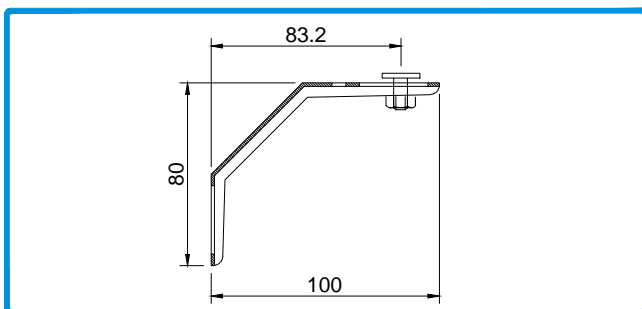
PRESILHA M6 x 37mm



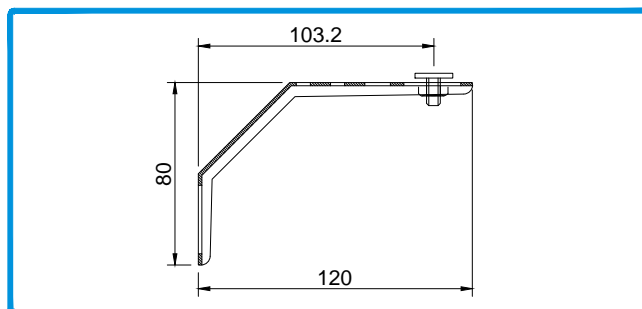
230014 SUPOORTE DE FIXAÇÃO 100mm



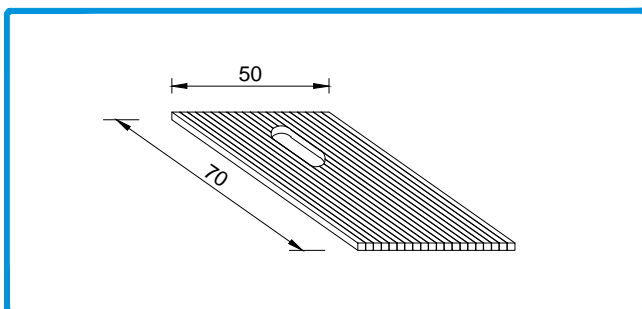
230019 SUPOORTE DE FIXAÇÃO 120mm



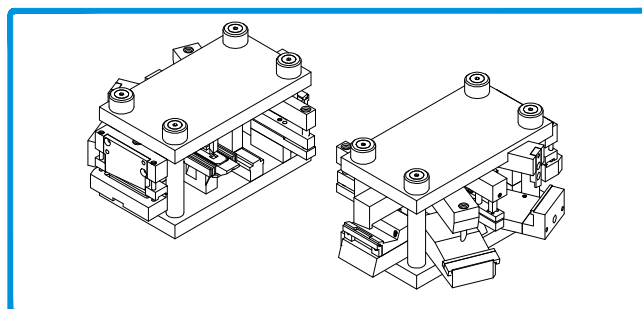
213239 ÂNGULO DE FIXAÇÃO 100mm



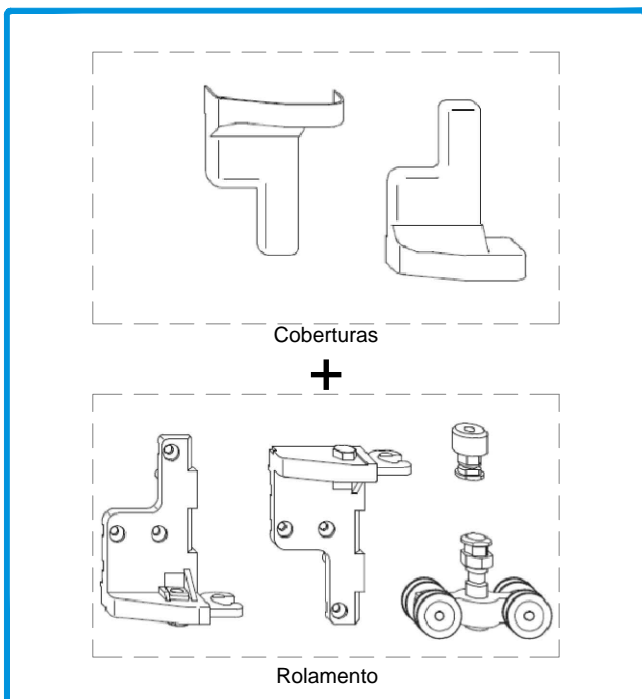
213240 ÂNGULO DE FIXAÇÃO 120mm



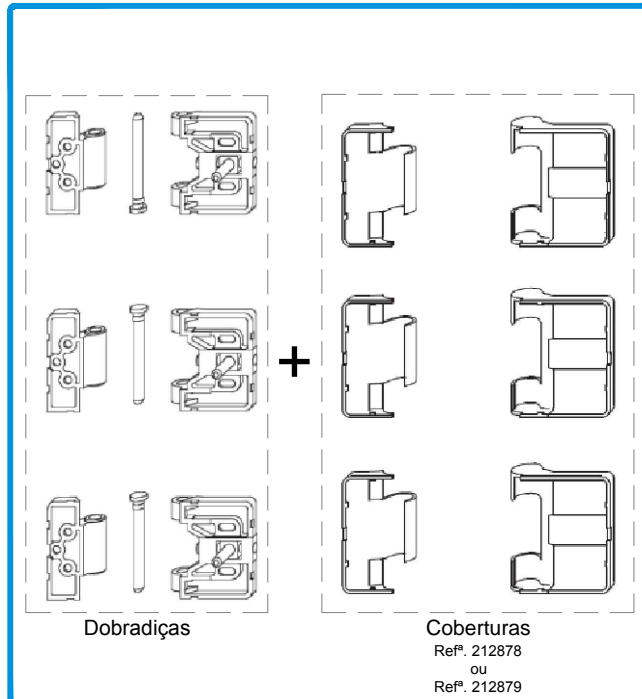
218116 CALÇO SEPARADOR (50 x 70 mm)



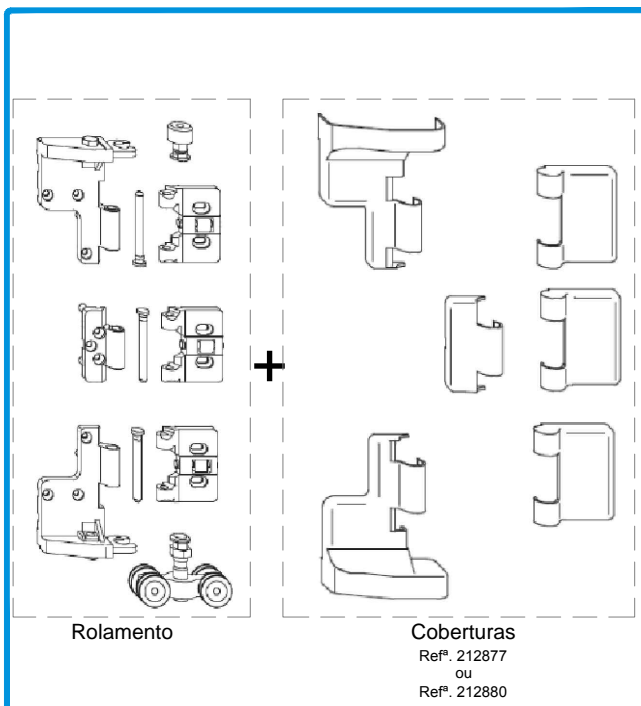
408044 CORTANTE SISTEMA IT/ST



212320 CONJUNTO ROLAM. TERM. FS-LM BRUTO  
212881 CONJUNTO COBERTURA P/ROLAM. TERM. FS-LM BRC/PRT



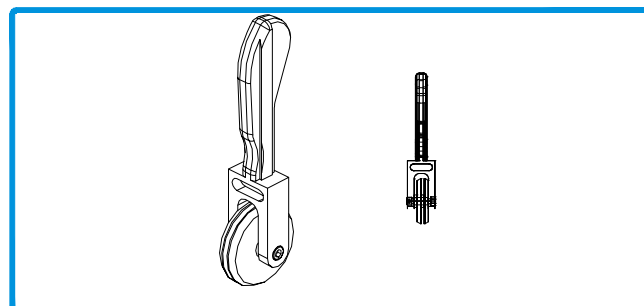
212064 CONJUNTO DOBRADIÇAS FS-LM BRUTO  
212879 CONJUNTO COBERTURAS P/DOBRADIÇAS FS-LM BRC  
212878 CONJUNTO COBERTURAS P/DOBRADIÇAS FS-LM PRT



Rolamento

Coberturas  
Ref. 212877  
ou  
Ref. 212880

212321 CONJUNTO ROLAM. INTERM. FS-LM BRUTO  
212880 CONJUNTO COBERTURA P/ROLAM. INTERM. FS-LM BRC  
212877 CONJUNTO COBERTURA P/ROLAM. INTERM. FS-LM PRT



425001

ROLETA P/VED. CPT 150D



426003

TESOURA PARA VEDANTES MULTICOUP



220100

DISPOSITIVO MANUAL P18/14



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

208019

SELA JUNTAS 150gr. (Cinza)



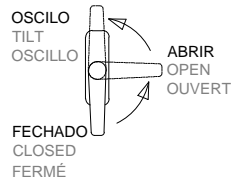
Limpeza de alumínio lacado ou anodizado.  
Para preparação das superfícies a serem unidas e limpeza final.

208704

PRODUTO LIMPEZA DE ALUMÍNIO (1L) Transparente



**FERRAGEM PARA OSCILO-BATENTE RIBANTA 5 - MÁXIMO DE 170Kg - MANOBRA TRADICIONAL**  
TILT AND TURN HARDWARE RIBANTA 5 - 170Kg MAXIMUM - TRADITIONAL MANOEUVRE  
FERRURE OSCILLO-BATTANT RIBANTA 5 - MAXIMUM 170Kg - MANOEUVRE TRADITIONNELLE



**ENCAIXE FRONTAL - SEM MAQUINAÇÃO - SEM MEDIÇÕES**

FRONTALLY APPLIED - NO MACHINING - NO MEASURES  
APPLIQUÉ FRONTELEMENT - AUCUN USINAGE - AUCUNE MESURE

FOLHA ATIVA - PESO MÁXIMO: 110Kg \*

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

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	700 - 1400		1401-2700		
		4 PONTOS 360 - 509	6 PONTOS 360 - 509	4 PONTOS 360 - 509	6 PONTOS 360 - 509	
299036	CARTÃO BASE 3200.2L R5 ESQUERDO ou   or   ou					1
299037	CARTÃO BASE 3200.2R R5 DIREITO					1
222123	JOGO DOBRADIÇAS 3200.709 RB5 110Kg					1
202043	COMPASSO CURTO 3200-750L RB5 ESQ. ou   or   ou					1
202044	COMPASSO CURTO 3200-750R RB5 DIR.					1
211024	PONTOS DE FECHO EXTRA 3200.820L VERT. RB5 ESQ. ou   or   ou					1
211025	PONTOS DE FECHO EXTRA 3200.820R VERT. RB5 DIR.					1
200798	MANETE MINIMALISTA CUBIC					1
203017	CAIXA TRANSMISSÃO + MECANISMO BASE					1
212220	CONJUNTO GABARITOS 3200.950 (facultativo)					1

FOLHA ATIVA - PESO MÁXIMO: 110Kg \*

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

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	700 - 1400		1401-2700		
		4 PONTOS 510-794	6 PONTOS 510-794	4 PONTOS 510-794	6 PONTOS 510-794	
299036	CARTÃO BASE 3200.2L R5 ESQUERDO ou   or   ou					1
299037	CARTÃO BASE 3200.2R R5 DIREITO					1
222123	JOGO DOBRADIÇAS 3200.709 RB5 110Kg					1
202041	COMPASSO STANDARD 3200-751L RB5 ESQ. ou   or   ou					1
202042	COMPASSO STANDARD 3200-751R RB5 DIR.					1
211024	PONTOS DE FECHO EXTRA 3200.820L VERT. RB5 ESQ. ou   or   ou					1
211025	PONTOS DE FECHO EXTRA 3200.820R VERT. RB5 DIR.					1
200798	MANETE MINIMALISTA CUBIC					1
203017	CAIXA TRANSMISSÃO + MECANISMO BASE					1
212220	CONJUNTO GABARITOS 3200.950 (facultativo)					1

FOLHA ATIVA - PESO MÁXIMO: 110Kg \*

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

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	700 - 1400		1401-2700		
		4 PONTOS 795-1200	6 PONTOS 795-1200	4 PONTOS 795-1200	6 PONTOS 795-1200	
299036	CARTÃO BASE 3200.2L R5 ESQUERDO ou   or   ou					1
299037	CARTÃO BASE 3200.2R R5 DIREITO					1
222123	JOGO DOBRADIÇAS 3200.709 RB5 110Kg					1
202045	COMPASSO GRANDE 3200-752L RB5 ESQ. ou   or   ou					1
202046	COMPASSO GRANDE 3200-752R RB5 DIR.					1
211024	PONTOS DE FECHO EXTRA 3200.820L VERT. RB5 ESQ. ou   or   ou					1
211025	PONTOS DE FECHO EXTRA 3200.820R VERT. RB5 DIR.					1
200798	MANETE MINIMALISTA CUBIC					1
203017	CAIXA TRANSMISSÃO + MECANISMO BASE					1
212220	CONJUNTO GABARITOS 3200.950 (facultativo)					1

FOLHA ATIVA - PESO MÁXIMO: 110Kg \*

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

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	700 - 1400		1401-2700		
		4 PONTOS 1201-1400	6 PONTOS 1201-1400	4 PONTOS 1201-1400	6 PONTOS 1201-1400	
299036	CARTÃO BASE 3200.2L R5 ESQUERDO ou   or   ou					1
299037	CARTÃO BASE 3200.2R R5 DIREITO					1
222123	JOGO DOBRADIÇAS 3200.709 RB5 110Kg					1
202045	COMPASSO GRANDE 3200-752L RB5 ESQ. ou   or   ou					1
202046	COMPASSO GRANDE 3200-752R RB5 DIR.					1
202047	COMPASSO SUPL. 3200-800L HOR. RB5 ESQ. ou   or   ou					1
202048	COMPASSO SUPL. 3200-800R HOR. RB5 DIR.					1
211024	PONTOS DE FECHO EXTRA 3200.820L VERT. RB5 ESQ. ou   or   ou					1
211025	PONTOS DE FECHO EXTRA 3200.820R VERT. RB5 DIR.					1
200798	MANETE MINIMALISTA CUBIC					1
203017	CAIXA TRANSMISSÃO + MECANISMO BASE					1
212220	CONJUNTO GABARITOS 3200.950 (facultativo)					1

FOLHA ATIVA - PESO MÁXIMO: 110Kg \*

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

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	1401-2700		
		8 PONTOS 1401-1700	8 PONTOS 1401-1700	
299036	CARTÃO BASE 3200.2L R5 ESQUERDO ou   or   ou			1
299037	CARTÃO BASE 3200.2R R5 DIREITO			1
222123	JOGO DOBRADIÇAS 3200.709 RB5 110Kg			1
202045	COMPASSO GRANDE 3200-752L RB5 ESQ. ou   or   ou			1
202046	COMPASSO GRANDE 3200-752R RB5 DIR.			1
202047	COMPASSO SUPL. 3200-800L HOR. RB5 ESQ. ou   or   ou			1
202048	COMPASSO SUPL. 3200-800R HOR. RB5 DIR.			1
211024	PONTOS DE FECHO EXTRA 3200.820L VERT. RB5 ESQ. ou   or   ou			1
211025	PONTOS DE FECHO EXTRA 3200.820R VERT. RB5 DIR.			1
211022	PONTOS DE FECHO EXTRA 3200.825L HORIZ. RB5 ESQ. ou   or   ou			1
211023	PONTOS DE FECHO EXTRA 3200.825R HORIZ. RB5 DIR.			1
200798	MANETE MINIMALISTA CUBIC			1
203017	CAIXA TRANSMISSÃO + MECANISMO BASE			1
212220	CONJUNTO GABARITOS 3200.950 (facultativo)			1

FOLHA PASSIVA - PESO MÁXIMO: 110Kg

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	
223023	KIT 2ª FOLHA F32830L.92 RB5 ESQ.					1
223024	KIT 2ª FOLHA F32830R.92 RB5 DIR.					1
201044	FECHO SUPLEMENTAR 1246.832W RB5					1

\* EM ALTERNATIVA:

223025	KIT 2ª FOLHA BIDIRECIONAL F32831L.92 RB5 ESQ. ou   or   ou					1
223026	KIT 2ª FOLHA BIDIRECIONAL F32831R.92 RB5 DIR. ou   or   ou					1

FOLHA PASSIVA - PESO MÁXIMO: 140Kg

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

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION			
		230312	SUPORTE INF. DE DOBRADIÇAS 3200.710L RB5 ESQ. ou   or   ou	
230313	SUPORTE INF. DE DOBRADIÇAS 3200.710R RB5 DIR.			1
222123	JOGO DE DOBRADIÇAS 3200.709L RB5 110Kg			1
230310	SUPORTE SUP. DE DOBRADIÇAS 3200.840L RB5 ESQ. ou   or   ou			1
230311	SUPORTE SUP. DE DOBRADIÇAS 3200.840R RB5 DIR.			1
299038	REFORÇO DE DOBRADIÇAS PARA 140Kg 3200.708L RB5 ESQ. ou   or   ou			1
299039	REFORÇO DE DOBRADIÇAS PARA 140Kg 3200.708R RB5 DIR.			1

FOLHA PASSIVA - PESO MÁXIMO: 170Kg

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

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION			
		222106	JOGO DE DOBRADIÇAS 3200.701 RB5 170Kg	
230310	SUPORTE SUP. DE DOBRADIÇAS 3200.840L RB5 ESQ. ou   or   ou			1
230311	SUPORTE SUP. DE DOBRADIÇAS 3200.840R RB5 DIR.			1
230342	SUPORTE DE DOBRADIÇAS 3200.700L 170Kg RB5 ESQ. ou   or   ou			1
230343	SUPORTE DE DOBRADIÇAS 3200.700R 170Kg RB5 DIR.			1

\* Para vãos com peso entre 110Kg e 140Kg, acrescentar a cada composição:

For weights between 110Kg and 140Kg, add to each composition:  
Pour des poids entre 110 Kg et 140 Kg, ajouter à chaque composition:

299038 REFORÇO DE DOBRADIÇA PARA 140Kg 3200.708L RB5 ESQ

299039 REFORÇO DE DOBRADIÇA PARA 140Kg 3200.708R RB5 DIR.

Para vãos com peso entre 140Kg até 170Kg, substituir as dobradiças por:

For weights between 140 kg and 170 kg, replace the hinges with:  
Pour les poids entre 140 kg et 170 kg, remplacez les paumelles par:

222106 JOGO DE DOBRADIÇAS 3200.701 RB5 170Kg

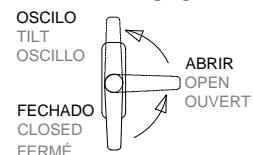
230342 SUPORTE DE DOBRADIÇA 3200.700L RB5 170Kg ESQ.

230343 SUPORTE DE DOBRADIÇA 3200.700R RB5 170Kg DIR.

**SOLICITAR O SEU MAPA DE MONTAGEM**

ASK YOUR ASSEMBLY CARD | DEMANDEZ VOTRE CARTE DE MONTAGE

**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				
203017	CAIXA TRANSMISSÃO + MECANISMO BASE ou   or   ou		1		
200507	CREMONE OSCILOBATENTE CUBIC				
211211	GABARITO MONTAGEM 3100.950 (facultativo)			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				
203017	CAIXA TRANSMISSÃO + MECANISMO BASE ou   or   ou		1		
200507	CREMONE OSCILOBATENTE CUBIC				
211211	GABARITO MONTAGEM 3100.950 (facultativo)			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				
203017	CAIXA TRANSMISSÃO + MECANISMO BASE ou   or   ou		1		
200507	CREMONE OSCILOBATENTE CUBIC				
211211	GABARITO MONTAGEM 3100.950 (facultativo)			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		
203017	CAIXA TRANSMISSÃO + MECANISMO BASE ou   or   ou		1
200507	CREMONE OSCILOBATENTE CUBIC		
211211	GABARITO MONTAGEM 3100.950 (facultativo)		1

**FOLHA PASSIVA - PESO MÁXIMO: 150Kg**

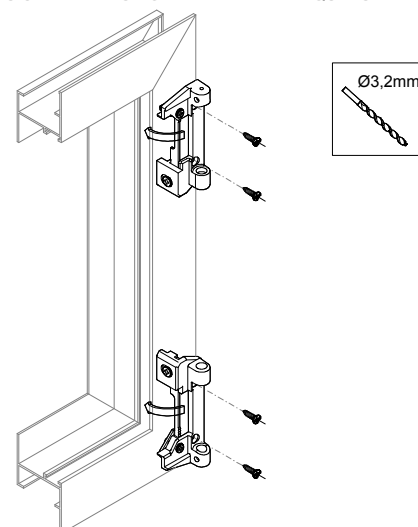
NON-ACTIVE LEAF - MAXIMUM WEIGHT | VANTAIL SEMI-FIXE - POIDS MAXIMALE

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

IMPORTANT | 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 1 FOLHA - LINHA OCULTA

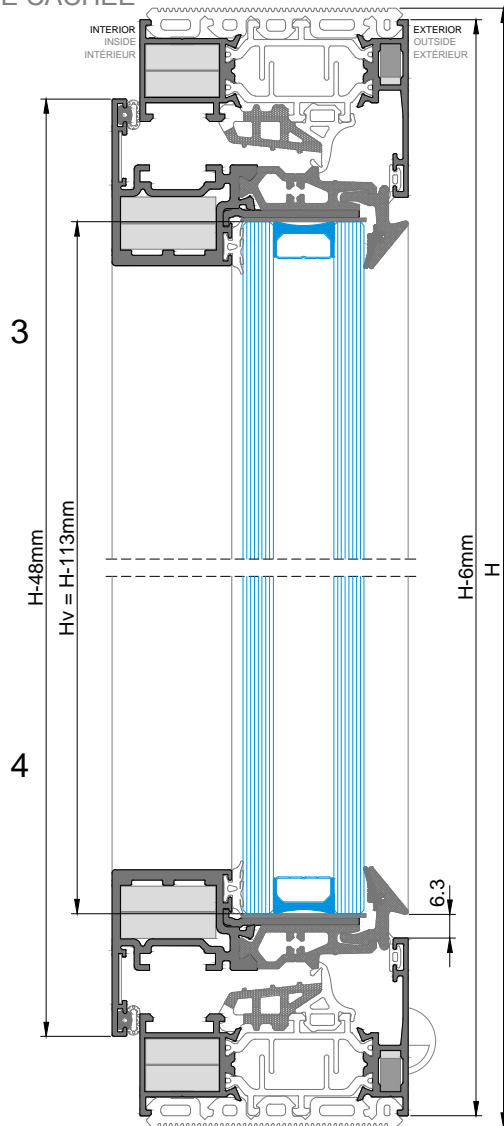
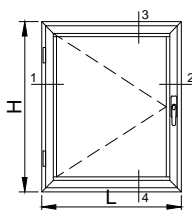
1 LEAF WINDOW - CONCEALED LINE | FENÊTRE À 1 VANTAIL - LIGNE CACHÉE

PERFIS   PROFILES   PROFILS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DETAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DETAIL VERTICALE	QUANT. QUANTITY QUANTITE	CORTE CUT COUPE
ST-01	ARO FIXO FIXED FRAME   DORMANT	L-6	H-6	2+2	
ST-90	ARO MÓVEL MOBILE FRAME   OUVRANT	L-49	H-48	2+2	
ST-95	BITE GLAZING BEAD   PARCLOSE	L-94	H-94	2+2	
Para janelas de batente, aplicar SA 33 For Casement windows use SA 33 profile   Pour fenêtres à Battante utilisé le profilé SA 33					
SA-33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	
Para janelas com Oscilo-batente com ferragem Ribanta5, aplicar LT 33 For Tilt-turn windows with hardware Ribanta 5, use LT 33 profile   Pour fenêtres Oscilo-Battant avec serrure Ribanta 5, utilisé le profilé LT 33					
LT33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	

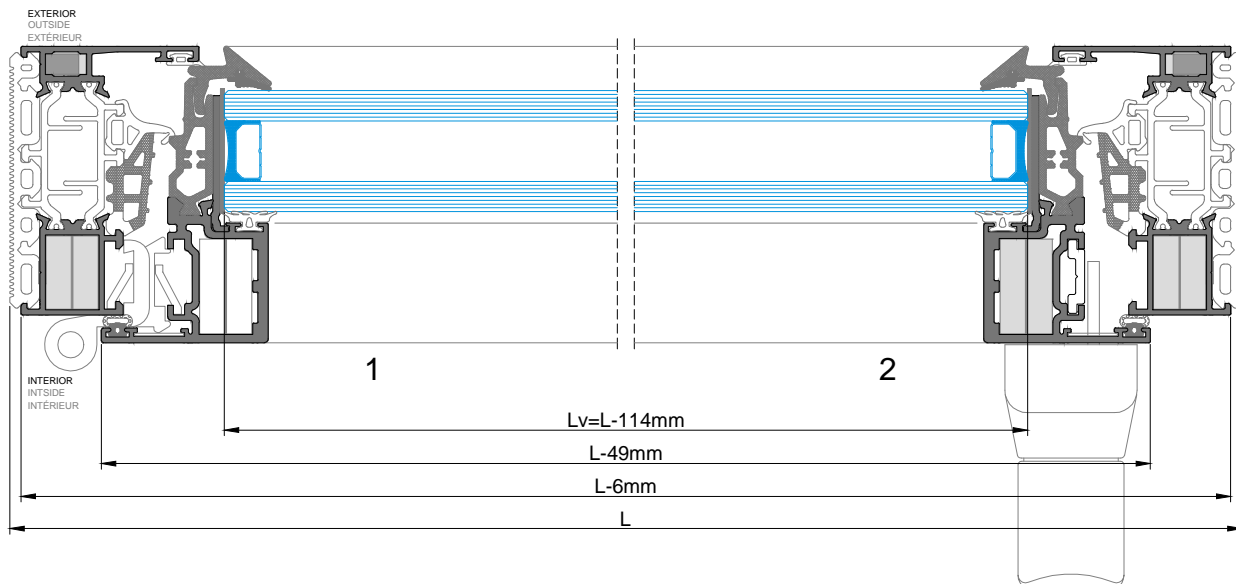
ACESSÓRIOS   ACCESSORIES   ACCESSOIRES				
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITE		
		Batente Casement Battant	Osc.-Batente Tilt-Turn Osc.-Battant	
213246	CANTO CR S/SB   ANGLE   COIN	4	4	
204150	ESQUADRO 18-0512-C BLOCKING BRACKET   EQUEURRE	4	4	
204137	ESQUADRO IT/ST N°1 16-1914-C BLOCKING BRACKET   EQUEURRE	4	4	
204728	ESQUADRO AT 2100 E. P. BLOCKING BRACKET   EQUEURRE	4	4	
202208	DOBRADIÇA 1121.1   HINGE   PAUMELLE	2	-	
200798	MANETE MINIMALISTA CUBIC   HANDLE   POIGNÉ	-	1	
203017	CAIXA TRANSMISSÃO + MECANISMO BASE HANDLE   POIGNÉ	-	1	
200508	CREMONE BATENTE CUBIC   HANDLE   POIGNÉ	1	-	
223566	KIT BATENTE FOLHA ATIVA HANDLE   POIGNÉ	1	-	
218132	CALÇOS P/VIDRO 99x33x1mm GLAZING SHIMS   CALES POUR VERRE	4	4	
230281	SUPORTE VIDRO ST ST GLAZING SUPPORT   SUPPORT POUR VERRE ST	4	4	
210154	GOTEIRA 1875   DRIP   GOUTTIÈRE	2	2	
	FERRAGEM PARA OSCIOBATENTE RIBANTA 5   TILT AND TURN HARDWARE RIBANTA 5   FERRURE OSCILLO-BATTANT RIBANTA 5	-	1 *	

\* CONSULTAR O MAPA DE FERRAGENS PARA OSCILO-BATENTE  
CONSULT THE HARDWARE MAP FOR TILT-AND-TURN  
CONSULTER LA CARTE DES FERRURES POUR OSCILLO-BATTANT

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITE
208185	VD 2089	2L+2H
208008	VD 2051	2L+2H
208183	VD 2267	2L+2H
208209	VD 2905	2L+2H
208184	VD 2412 (Opcional   Optional   Optionnel)	2L+2H
208289	VD 2055	2L+2H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	4

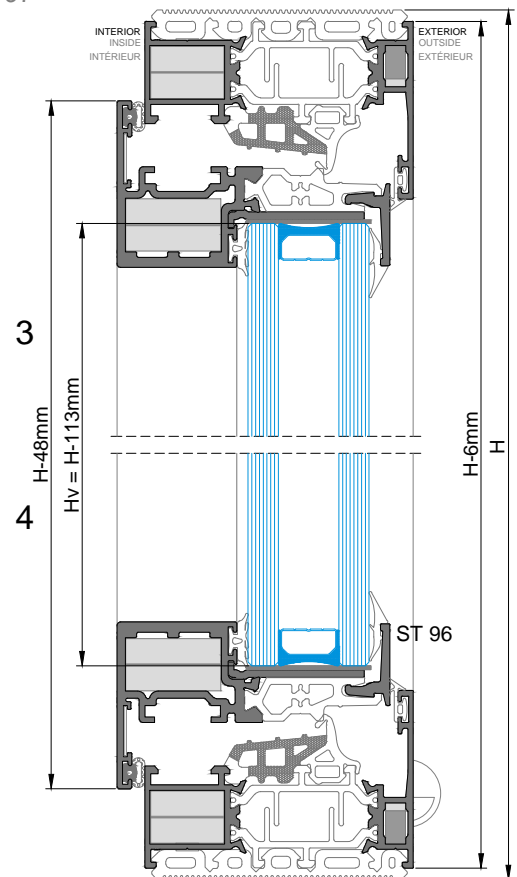
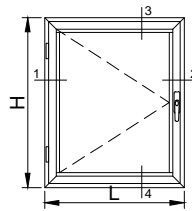


MEDIDAS VIDROS (COM VD 2089 - SEM SOLEIRA) GLAZING MEASURES (WITH VD 2089 - WITHOUT SILL) DIMENSIONS DES VERRES (AVEC VD 2089 - SANS SEUIL)	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L-114	H-113



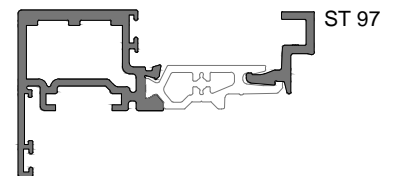
**JANELA DE 1 FOLHA - LINHA OCULTA COM BITE ST 96 OU ST 97**  
1 LEAF WINDOW - CONCEALED LINE WITH GLAZING BEAD ST 96 OR ST 97  
FENÊTRE 1 VANTAIL - LIGNE CACHÉE AVEC PARCLOSE ST 96 OU ST 97

PERFIS   PROFILES   PROFILS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTICALE	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
ST-01	ARO FIXO FIXED FRAME   DORMANT	L-6	H-6	2+2	
ST-90	ARO MÓVEL MOBILE FRAME   LOUVRANT	L-49	H-48	2+2	
ST-96	BITE GLAZING BEAD   PARCLOSE	L-92	H-92	2+2	
ST-97	BITE GLAZING BEAD   PARCLOSE	L-92	H-92	2+2	
Para janelas de batente, aplicar SA 33 For Casement windows use SA 33 profile   Pour fenêtres à Battante utilisé le profilé SA 33					
SA-33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	
Para janelas com Oscilo-batente com ferragem Ribanta5, aplicar LT 33 For Tilt-and-turn windows with hardware Ribanta 5, use LT 33 profile   Pour fenêtres Oscillo-Battante avec serrure Ribanta 5, utilisé le profilé LT 33					
LT33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	



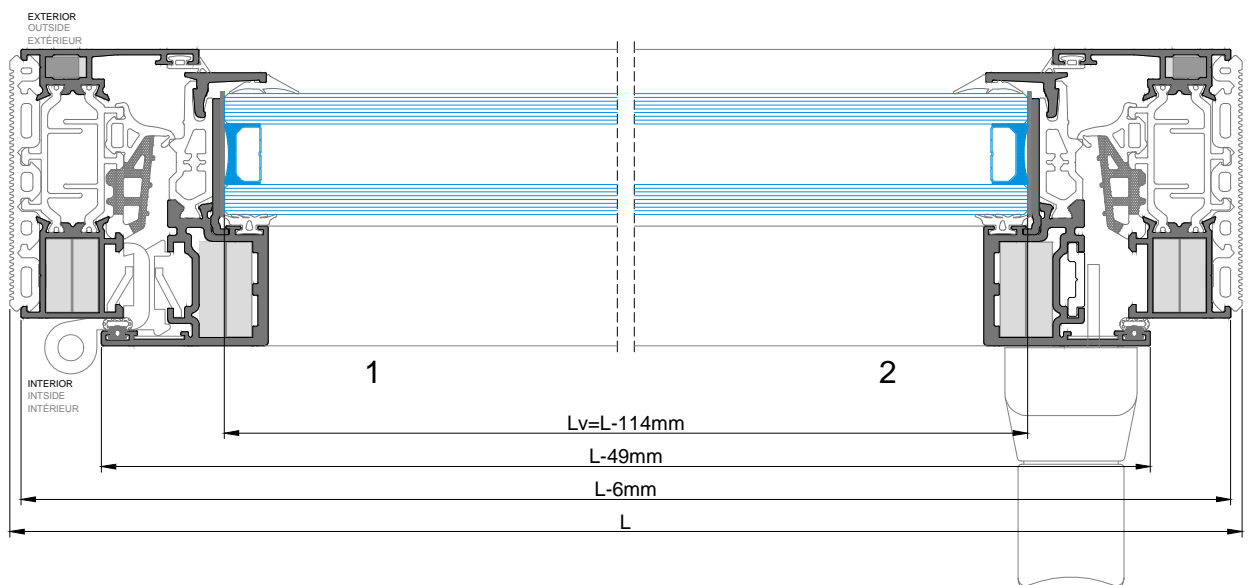
ACESSÓRIOS   ACCESSORIES   ACCESSOIRES				
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ		
		Batente Casement Battante	Osc.-Batente Tilt-Turn Osc.-Battante	
213246	CANTO CR S/SB   ANGLE   COIN	4	4	
204150	ESQUADRO 18-0512-C BLOCKING BRACKET   ÉQUERRE	4	4	
204137	ESQUADRO IT/ST Nº1 16-1914-C BLOCKING BRACKET   ÉQUERRE	4	4	
204728	ESQUADRO AT 2100 E. P. BLOCKING BRACKET   ÉQUERRE	4	4	
202208	DOBRADIÇA 1121.1   HINGE   PAUMELLE	2	-	
200798	MANETE MINIMALISTA CUBIC   HANDLE   POIGNÉ	-	1	
203017	CAIXA TRANSMISSÃO + MECANISMO BASE HANDLE   POIGNÉ	-	1	
200508	CREMONE BATEANTE CUBIC   HANDLE   POIGNÉ	1	-	
223566	KIT BATEANTE P/ FOLHA ATIVA   KIT FOR CASEMENT ACTIVE LEAF   KIT POUR VANTAIL BATTANTE DE SERVICE	1	-	
218132	CALÇOS P/VIDRO 99x33x1mm GLAZING SHIMS   CALES POUR VERRE	4	4	
230281	SUPORTE VIDRO ST ST GLAZING SUPPORT   SUPPORT POUR VERRE ST	4	4	
210154	GOTEIRA 1875   DRIP   GOUTTIÈRE	2	2	
	FERRAGEM PARA OSCILOBATEANTE RIBANTA 5   TILT AND TURN HARDWARE RIBANTA 5   FERRURE OSCILLO-BATTANT RIBANTA 5	-	1 *	

\* CONSULTAR O MAPA DE FERRAGENS PARA OSCILO-BATEANTE  
CONSULT THE HARDWARE MAP FOR TILT-AND-TURN  
CONSULTER LA CARTE DES FERRURES POUR OSCILLO-BATTANT



VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208185	VD 2089	2L+2H
208008	VD 2051	2L+2H
208183	VD 2267	2L+2H
208289	VD 2055	2L+2H
208278	VD 2112	2L+2H
VARIÁVEL VARIABLE	JUNTA EXTERIOR GLAZING WEDGE GASKET   JOINT EXTÉRIEUR	2L+2H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	4

MEDIDAS VIDROS (COM VD 2089 - SEM SOLEIRA) GLAZING MEASURES (WITH VD 2089 - WITHOUT SILL) DIMENSIONS DES VERRES (AVEC VD 2089 - SANS SEUIL)	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L-114	H-113

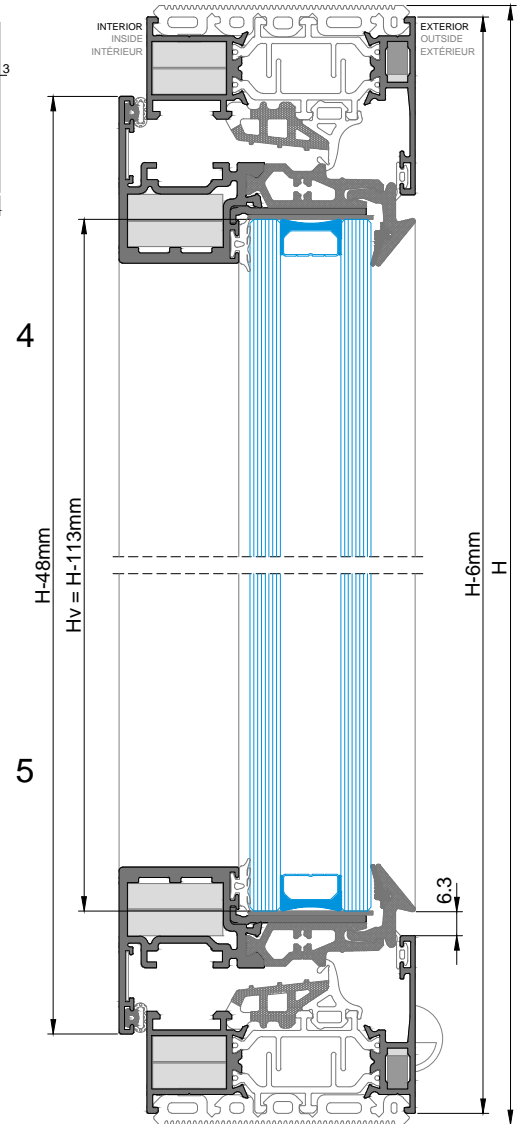
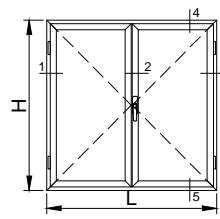


# JANELA DE 2 FOLHAS - LINHA OCULTA

2 LEAVES WINDOW - CONCEALED LINE | FENÊTRE À 2 VANTAUX - LIGNE CACHÉE

## PERFIS | PROFILES | PROFILS

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL VERTICAL	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
ST-01	ARO FIXO FIXED FRAME   DORMANT	L-6	H-6	2+2	
ST-90	ARO MÓVEL MOVING FR.   OUVRANT	(L-55)/2	H-48	4+4	
ST-06	INVERSOR INVERTER   MENEAU CENTRAL	-	H-116	1	
ST-95	BITE GLAZING BEAD   PARCLOSE	(L-146.6)/2	H-94	4+4	
Para janelas de batente, aplicar SA 33 For Casement windows use SA 33 profile   Pour fenêtres à Battante utilisé le profilé SA 33					
SA-33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	
Para janelas com Oscilo-batente com ferragem Ribanta5, aplicar LT 33 For Tilt-turn windows with hardware Ribanta 5, use LT 33 profile   Pour fenêtres Oscillo-Battante avec serrure Ribanta 5, utilisé le profilé LT 33					
LT33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	



## ACESSÓRIOS | ACCESSORIES | ACCESSOIRES

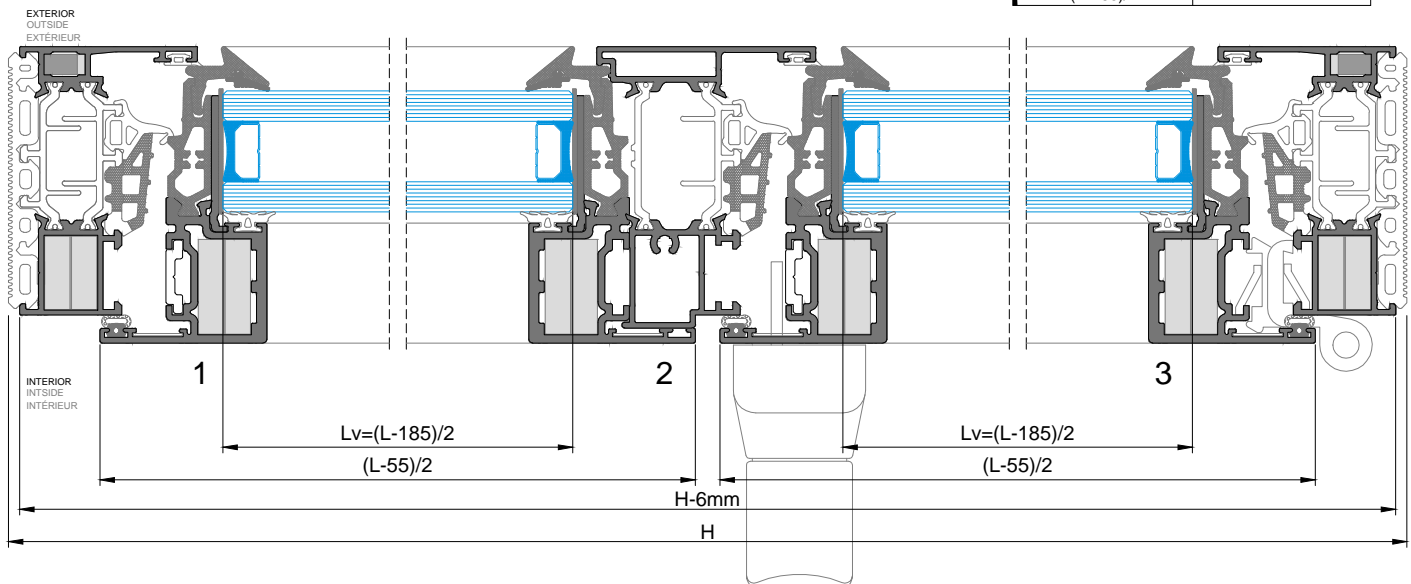
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ	
		Batente Casement Battante	Osc.-Batente Tilt-Turn Osc.-Battante
213246	CANTO CR S/SB   ANGLE   COIN	8	8
204150	ESQUADRO 18-0512-C BLOCKING BRACKET   EQUEPPE	4	4
204137	ESQUADRO 17/ST N°1 16-1914-C BLOCKING BRACKET   EQUEPPE	4	4
204728	ESQUADRO AT 2100 E. P. BLOCKING BRACKET   EQUEPPE	8	8
202208	DOBRADIÇA 1121.1   HINGE   PAUMELLE	4	-
200798	MANETE MINIMALISTA CUBIC   HANDLE   POIGNÉ	-	1
203017	CAIXA TRANSMISSÃO + MECANISMO BASE HANDLE   POIGNÉ	-	1
200508	CREMONE BATENTE CUBIC   HANDLE   POIGNÉ	1	-
223566	KIT BATENTE P/ FOLHA ATIVA   KIT FOR CASEMENT ACTIVE LEAF   KIT POUR VANTAIL BATTANTE DE SERVICE	1	-
212069	CONJ TOPO INVERSOR ST   END CAP KIT   KIT D'EMBOUT	1	1
218132	CALÇOS P/VIDRO 99x33x1mm GLAZING SHIMS   CALES POUR VERRE	8	8
230281	SUPORTE VIDRO ST ST GLAZING SUPPORT   SUPPORT POUR VERRE ST	8	8
211490	FECHO P/ V2* FOLHA 1541 2nd LEAF LOCKER   FERMETURE POUR 2ème VANTAIL	2	2
210154	GOTEIRA 1875   DRIP   GOUTTIÈRE	2	2
	FERRAGEM PARA OSCILOBATENTE RIBANTA 5   TILT AND TURN HARDWARE RIBANTA 5   FERRURE OSCILLO-BATTANT RIBANTA 5	-	1*

\* CONSULTAR O MAPA DE FERRAGENS PARA OSCILO-BATENTE  
CONSULT THE HARDWARE MAP FOR TILT-AND-TURN  
CONSULTER LA CARTE DES FERRURES POUR OSCILLO-BATTANT

## VEDANTES | SEALENTS | JOINTS

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208185	VD 2089	2L+2H
208008	VD 2051	2L+3H
208183	VD 2267	2L+3H
208209	VD 2905	2L+4H
208184	VD 2412 (Opcional   Optional   Optionnel)	2L+3H
208289	VD 2055	2L+4H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	4

MEDIDAS VIDROS (COM VD 2089 - SEM SOLEIRA) GLAZING MEASURES (WITH VD 2089 - WITHOUT SILL) DIMENSIONS DES VERRES (AVEC VD 2089 - SANS SEUIL)	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
(H-185)/2	H-113

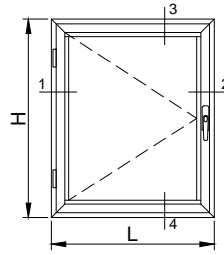




# JANELA DE 1 FOLHA

1 LEAF WINDOW | FENÊTRE À 1 VANTAIL

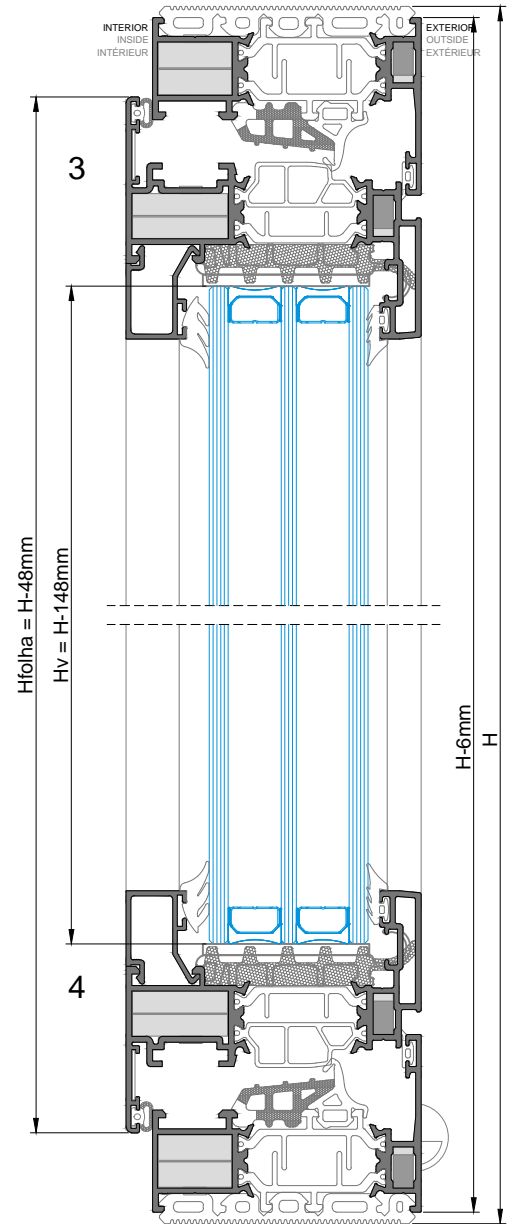
PERFIS   PROFILES   PROFILS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL	CORTE VERT. VERTICAL DETAIL	QUANT. QUANTITY	CORTE GROUP
ST-01	ARO FIXO FIXED FRAME   DORMANT	L-6	H-6	2+2	▲
ST-02	ARO MÓVEL MOBILE FR.   LOUVRANT	L-48	H-48	2+2	▲
	BITE GLAZING BEAD   PARCLOSE	L-136	H-176	2+2	▲
Para janelas de batente, aplicar SA 33 For Casement windows use SA 33 profile   Pour fenêtres à Battante utilisé le profilé SA 33					
SA-33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	■
Para janelas com Oscilo-batente com ferragem Ribanta5, aplicar LT 33 For Tilt-turn windows with hardware Ribanta 5, use LT 33 profile   Pour fenêtres Oscillo-Battante avec serrure Ribanta 5, utilisé le profilé LT 33					
LT33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	■



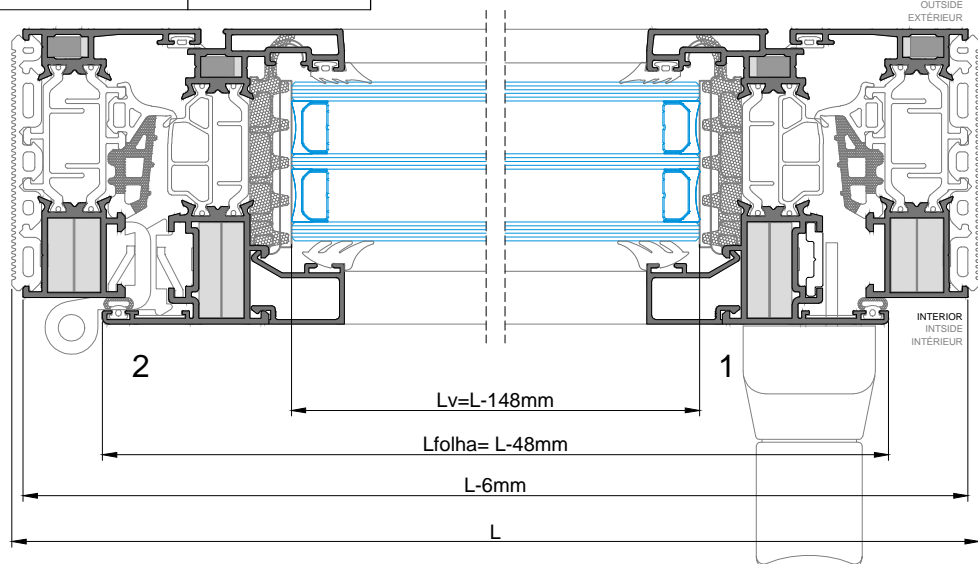
ACESSÓRIOS   ACCESSORIES   ACCESSOIRES				
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ		
		Batente Casement Battante	Osc.-Batente Tilt-turn Osc.-Battante	
213261	CANTO ALINHAMENTO S IT/ST (or CANTO CR S/SB)   ALIGNMENT ANGLE (or ANGLE)   COIN D'ALIGNEMENT (ou COINI)	4	4	
204131	ESQUADRO DE ALINHAMENTO COM APERTO BLOCKING BRACKET   ÉQUERRE	4	4	
204150	ESQUADRO 18-0512-C   BLOCKING BRACKET   ÉQUERRE	8	8	
204137	ESQUADRO IT/ST Nº1 16-1914-C BLOCKING BRACKET   ÉQUERRE	4	4	
204142	ESQUADRO IT/ST Nº5 18-2512-140 BLOCKING BRACKET   ÉQUERRE	4	4	
202208	DOBRADIÇA 1121.1   HINGE   PAUMELLE	2	-	
200798	MANETE MINIMALISTA CUBIC   HANDLE   POIGNÉ	-	1	
203017	CAIXA TRANSMISSÃO + MECANISMO BASE HANDLE   POIGNÉ	-	1	
200508	CREMONE BATENTE CUBIC   HANDLE   POIGNÉ	1	-	
223566	KIT BATENTE P/ FOLHA ATIVA   KIT FOR CASEMENT ACTIVE LEAF   KIT POUR VANTAIL BATTANTE DE SERVICE	1	-	
218126	CALÇOS P/VIDRO ST GLAZING SHIMS   CALES POUR VERRE	4	4	
210154	GOTEIRA 1875   DRIP   GOUTTIÈRE	2	2	
	FERRAGEM PARA OSCILOBATENTE RIBANTA 5   TILT AND TURN HARDWARE RIBANTA 5   FERRURE OSCILLO-BATTANT RIBANTA 5	-	1*	

\* CONSULTAR O MAPA DE FERRAGENS PARA OSCILO-BATENTE  
CONSULT THE HARDWARE MAP FOR TILT-AND-TURN  
CONSULTER LA CARTE DES FERRURES POUR OSCILLO-BATTANT

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208185	VD 2089	2L+2H
208008	VD 2051 (1)	2L+2H
208183	VD 2267	2L+2H
208209	VD 2905	2L+2H
208184	VD 2412 (Opcional   Optional   Optionnel)	2L+2H
208350	VD 2003	2L+2H
208182	VD 2090	2L+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+2H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	4
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE		
(1) 208143	VD 2071	



MEDIDAS VIDROS (COM VD 2089 - SEM SOLEIRA) GLAZING MEASURES (WITH VD 2089 - WITHOUT SILL) DIMENSIONS DES VERRES (AVEC VD 2089 - SANS SEUIL)	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L-148	H-148



# JANELA DE 2 FOLHAS

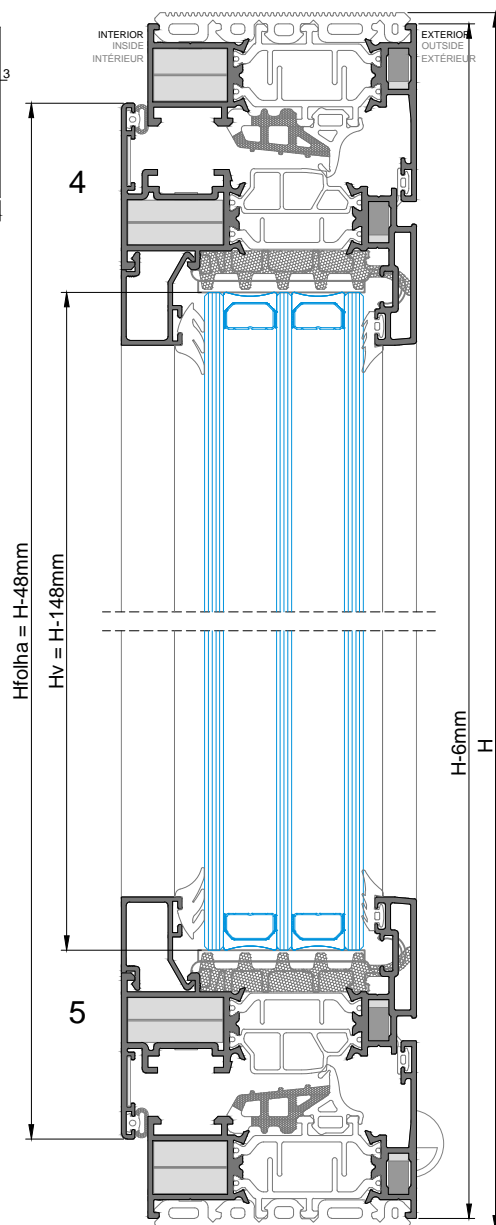
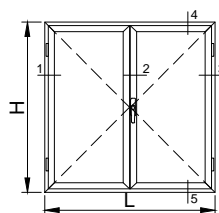
## 2 LEAVES WINDOW | FENÊTRE À 2 VANTAUX

PERFIS   PROFILES   PROFILS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DETAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DETAIL VERTICAL	QUANT. QUANTITY QUANTITE	CORTE CUT COUPE
ST-01	ARO FIXO FIXED FRAME   DORMANT	L-6	H-6	2+2	
ST-02	ARO MÓVEL MOBILE FR.   OUVRANT	(L-55)/2	H-48	4+4	
ST-06	INVERSOR INVERTER   MENEAU CENTRAL	-	H-118	1	
	BITE RETO   STRAIGHT GLAZING BEAD   PARCLOUSE DROITE	(L-231)/2	H-176	4+4	
Para janelas de batente, aplicar SA 33 For Casement windows use SA 33 profile   Pour fenêtres à Battante utilisé le profilé SA 33					
SA-33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	
Para janelas com Oscilo-batente com ferragem Ribanta5, aplicar LT 33 For Tilt-turn windows with hardware Ribanta 5, use LT 33 profile   Pour fenêtres Oscillo-Battante avec serrure Ribanta 5, utilisé le profilé LT 33					
LT33	VARETA PROFILE   PROFILÉ	-	VARIÁVEL VARIABLE	2	

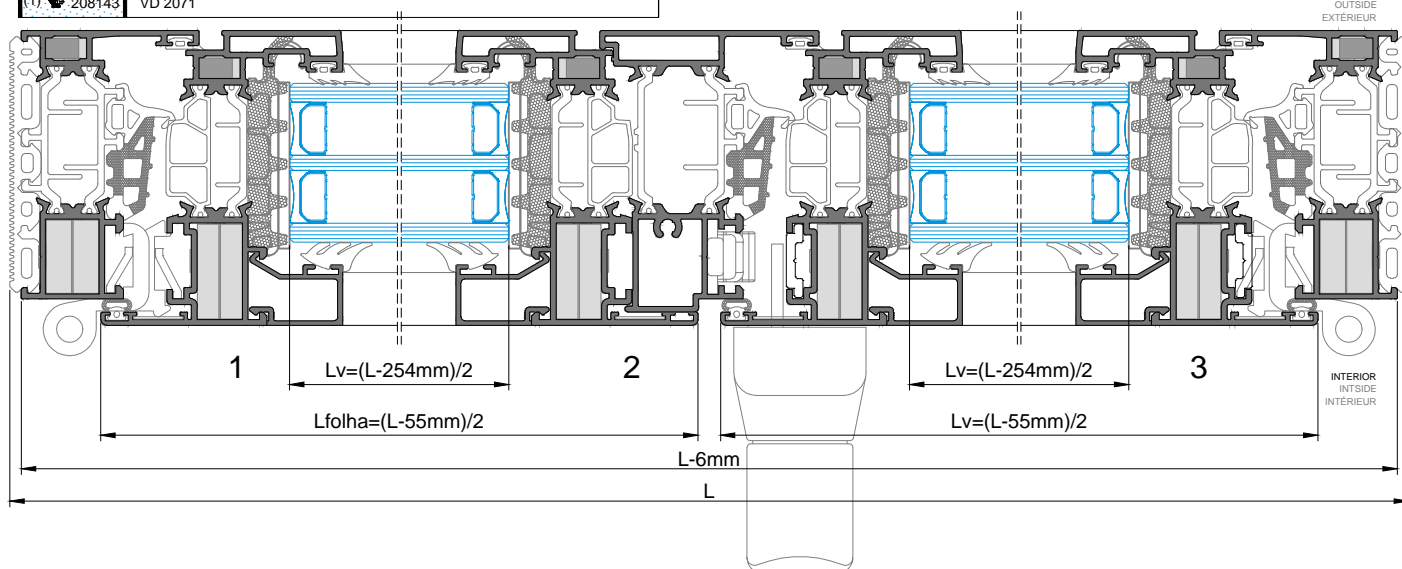
ACESSÓRIOS   ACCESSORIES   ACCESSOIRES			
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITE	
		Batente Casement Battante	Osc.-Batente Tilt-Turn Osc.-Battante
213261	CANTO ALINHAMENTO S IT/ST (or CANTO CR S/SB)   ALIGNMENT ANGLE (or ANGLE)   COIN D'ALIGNEMENT (or COIN)	8	8
204131	ESQUADRO DE ALINHAMENTO COM APERTO BLOCKING BRACKET   ÉQUERRE	8	8
204150	ESQUADRO 18-0512-C   BLOCKING BRACKET   ÉQUERRE	12	12
204137	ESQUADRO IT/ST N°1 16-1914-C BLOCKING BRACKET   ÉQUERRE	4	4
204142	ESQUADRO IT/ST N°5 18-2512-140 BLOCKING BRACKET   ÉQUERRE	8	8
202208	DOBRADIÇA 1121.1   HINGE   PAUMELLE	2	-
200798	MANETE MINIMALISTA CUBIC   HANDLE   POIGNÉ	-	1
203017	CAIXA TRANSMISSÃO + MECANISMO BASE HANDLE   POIGNÉ	-	1
200508	CREMONE BATEANTE CUBIC   HANDLE   POIGNÉ	1	-
223566	KIT BATEANTE P/ FOLHA ATIVA   KIT FOR CASEMENT ACTIVE LEAF   KIT POUR VANTAIL BATTANTE DE SERVICE	1	-
218126	CALÇOS P/VIDRO ST GLAZING SHIMS   CALES POUR VERRE	8	8
210154	GOTEIRA 1875   DRIP   GOUTTIÈRE	2	2
212069	CONJUNTO TOPO INVERSOR ST   END CAP KIT   KIT D'EMBOUT	1	1
	FERRAGEM PARA OSCIOBATEANTE RIBANTA 5   TILT AND TURN HARDWARE RIBANTA 5   FERRURE OSCILLO-BATTANT RIBANTA 5	-	1*

\* CONSULTAR O MAPA DE FERRAGENS PARA OSCILO-BATEANTE  
CONSULT THE HARDWARE MAP FOR TILT-AND-TURN  
CONSULTER LA CARTE DES FERRURES POUR OSCILLO-BATTANT

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITE
208185	VD 2089	2L+2H
208008	VD 2051 (1)	2L+3H
208183	VD 2267	2L+3H
208209	VD 2905	2L+2H
208184	VD 2412 (Opcional   Optional   Optionnel)	2L+3H
208350	VD 2003	2L+4H
208182	VD 2090	2L+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+4H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	4
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE		
(1) 208143	VD 2071	



MEDIDAS VIDROS (COM VD 2089 - SEM SOLEIRA) GLAZING MEASURES (WITH VD 2089 - WITHOUT SILL) DIMENSIONS DES VERRES (AVEC VD 2089 - SANS SEUIL)	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
(L-254)/2	H-148

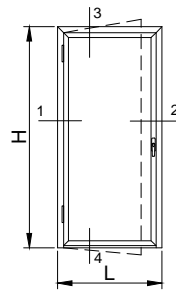


**PORTA DE 1 FOLHA - ABERTURA PARA INTERIOR - COM PERFIL DE SOLEIRA**

1 LEAF DOOR - INWARD OPENING - WITH SILL PROFILE

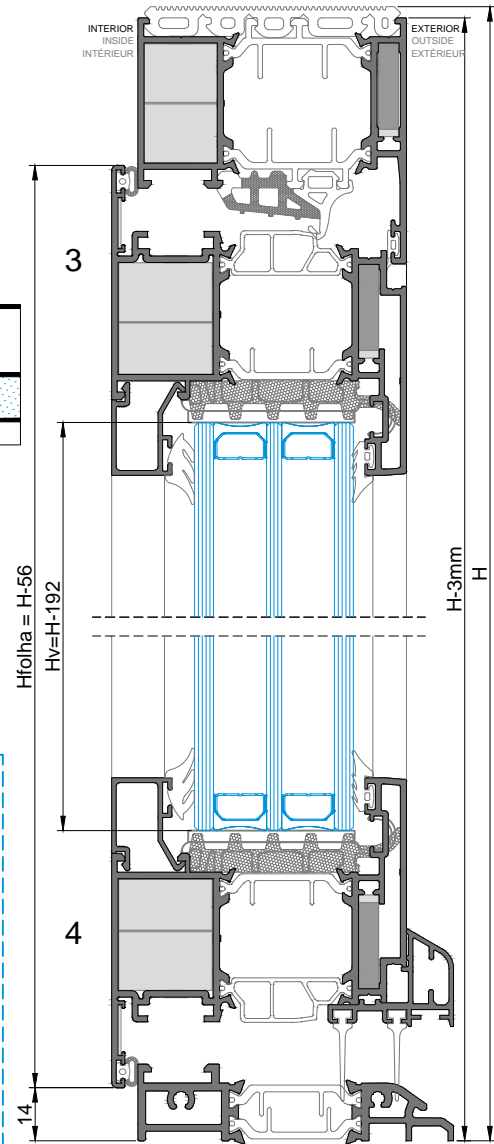
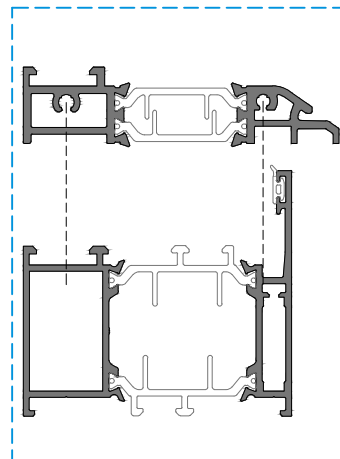
PORTE À 1 VANTAIL - OUVERTURE VERS L'INTÉRIEUR - AVEC PROFILÉ DE SEUIL

PERFIS   PROFILES   PROFILS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL-DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL-DETAIL DÉTAIL VERTICAL	QUANT. QUANTITY	CORTE CUT COUPE
ST-07	ARO FIXO FIXED FRAME   DORMANT	L-6	H-3	1+2	
ST-11	ARO MÓVEL MOBILE FR.   OUVRANT	L-84	H-56	2+2	
ST-49	SOLEIRA SILL   SEUIL	L-86	-	1	
IT-32	PINGADEIRA DRIP   GOUT D'EAU	L-151	-	1	
	BITE GLAZING BEAD   PARCLOSE	L-208	H-220	2+2	

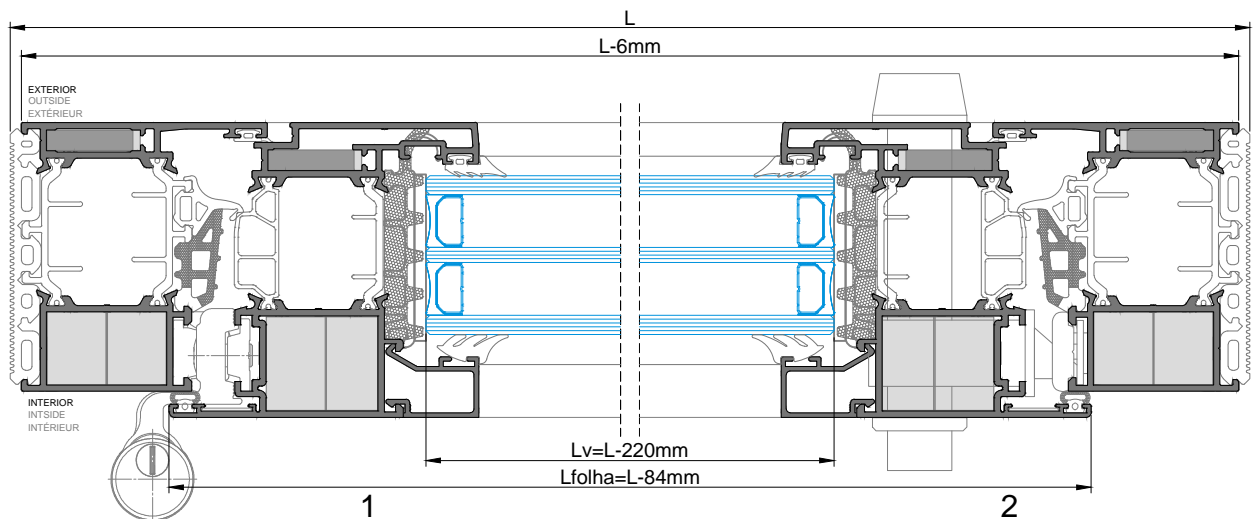


ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
213246	CANTO CR S/SB   ANGLE   COIN	4
204139	ESQUADRO IT/ST Nº3 16-1931-C BLOCKING BRACKET   ÉQUERRÉ	2
204143	ESQUADRO IT/ST Nº6 18-2530-140 BLOCKING BRACKET   ÉQUERRÉ	4
204151	ESQUADRO 18-0525-C BLOCKING BRACKET   ÉQUERRÉ	6
204131	ESQUADRO DE ALINHAMENTO COM APERTO BLOCKING BRACKET   ÉQUERRÉ	4
202235	DOBRADIÇA PORTA 2L AFINAÇÃO 3D   HINGE   PAUMELLE	3
201128	FECHADURA 3 PONTOS 7717x30   LOCKER   SERRURE	1
230502	SEGREDO 70/30 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220190	ESPELHO 874.801   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR PORTA DUPLO CUBIC   HANDLE   POIGNÉ	1
227301	QUADRA AÇO 8x140 STEEL SQUARE SHAFT   BARRE SECTION CARRÉE	1
280220	TESTA FECHADURA PRUMO 2000 STRICKING PLATE   GÂCHE	1
280230	TESTA FECHADURA STAND 2001 STRICKING PLATE   GÂCHE	2
212346	CONJ. TAPA-TOPO SA32   END-CAP KIT   KIT D'EMBOUTE	1
218126	CALÇOS P/VIDRO S/ST NYLON GLAZING SHIMS   CALES POUR VERRE	1m

MEDIDAS VIDROS (COM VD 2089) GLAZING MEASURES (WITH VD 2089) DIMENSIONS DES VERRES (AVEC VD 2089)	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L-220	H-192



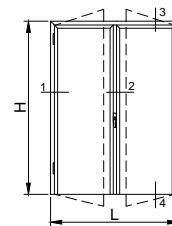
VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208185	VD 2089	L+2H
208008	VD 2051 (1)	2L+2H
208184	VD 2412 (Opcional   Optional   Optionnel)	L+2H
208183	VD 2267	L+2H
208350	VD 2003	2L+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+2H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	2
208294	VR 3180	2L
208182	VD 2090 (Opcional   Optional   Optionnel)	2L+2H
	ALTERNATIVA   ALTERNATIVE   ALTERNATIVE	
(1) 208143	VD 2071	





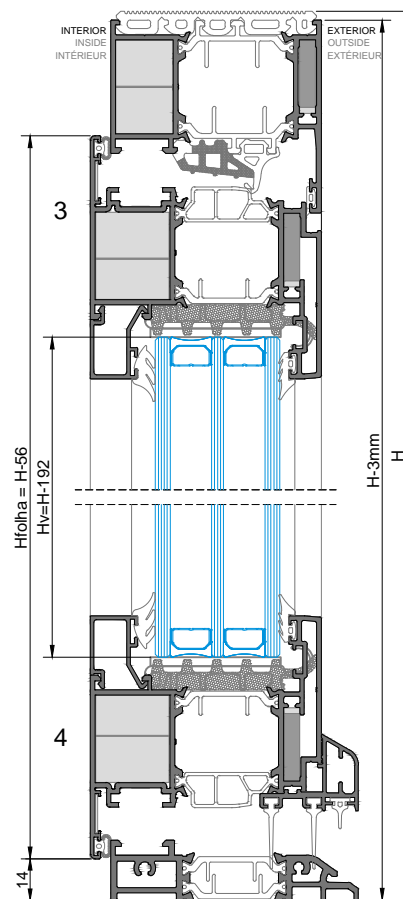
**PORTA DE 2 FOLHAS - ABERTURA PARA INTERIOR**  
2 LEAVES DOOR - INWARD OPENING  
PORTE À 2 VANTAUX - OUVERTURE VERS L'INTÉRIEUR

PERFIS   PROFILES   PROFILS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTICALE	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
ST-07	ARO FIXO FIXED FRAME   DORMANT	L-6	H-3	1+2	
ST-11	ARO MÓVEL MOBILE FR.   OUVRANT	(L-90)/2	H-56	4+4	
ST-06	INVERSOR INVERTER   MENEAU CENTRAL	-	H-126	1	
ST-49	SOLEIRA SILL   SEUIL	L-86	-	1	
IT-32	PINGADEIRA DRIP   JET D'EAU	[(L-220)/2]+65	-	1	
-	BITE GLAZING BEAD   PARCLOSE	(L-339)/2	H-220	4+4	

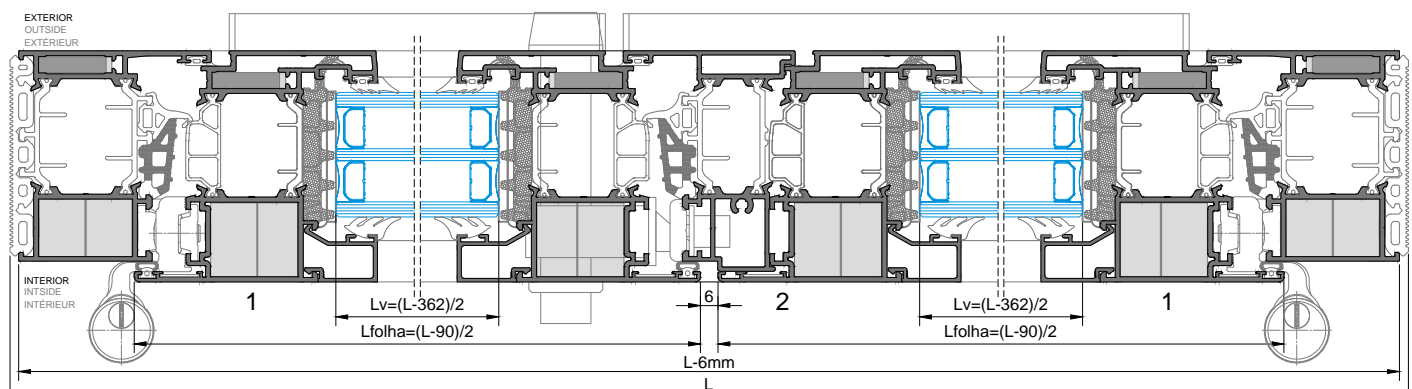


ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
213246	CANTO CR S/SB   ANGLE   COIN	8
204139	ESQUADRO IT/ST Nº3 16-1931-C BLOCKING BRACKET   ÉQUIERRE	2
204143	ESQUADRO IT/ST Nº6 18-2530-140 BLOCKING BRACKET   ÉQUIERRE	8
204151	ESQUADRO 18-0525-C BLOCKING BRACKET   ÉQUIERRE	10
204131	ESQUADRO DE ALINHAMENTO COM APERTO BLOCKING BRACKET   ÉQUIERRE	8
202235	DOBRADIÇA PORTA 2L AFINAÇÃO 3D HINGE   PAUMELLE	6
201128	FECHADURA 3 PONTOS 7717x30   LOCKER   SERRURE	1
230502	SEGREDO 70/30 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220190	ESPELHO 874.801   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	1
200792	PUXADOR PORTA DUPLO CUBIC   HANDLE   POIGNÉ	1
227301	QUADRA AÇO 8x140 STEEL SQUARE SHAFT   BARRE SECTION CARRÉE	1
280220	TESTA FECHADURA PRUMO 2000 STRICKING PLATE   GÂCHE	1
280230	TESTA FECHADURA STAND 2001 STRICKING PLATE   GÂCHE	1
212346	CONJ. TAPA-TOPO SA32   END-CAP KIT   KIT D'EMBOUTE	2
218126	CALÇOS P/VIDRO S/ST NYLON GLAZING SHIMS   CALES POUR VERRE	2m
212069	CONJUNTO TOPO INVERSOR ST END-CAP KIT   KIT D'EMBOUT	1

MEDIDAS VIDROS (COM VD 2089) GLAZING MEASURES (WITH VD 2089) DIMENSIONS DES VERRES (AVEC VD 2089)	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
(L-362)/2	H-192

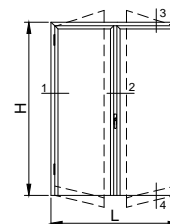


VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208185	VD 2089	L+2H
208008	VD 2051 (1)	2L+3H
208184	VD 2412 (Opcional   Optional   Optionnel)	L+3H
208183	VD 2267	L+3H
208350	VD 2003	2L+4H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTERIEUR	2L+4H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	2
208294	VR 3180	2L
208165	VD 5007	L
208182	VD 2090	2L+4H
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE		
(1) 208143	VD 2071	



**PORTA DE 2 FOLHAS - ABERTURA PARA INTERIOR**  
2 LEAVES DOOR - INWARD OPENING  
PORTE À 2 VANTAUX - OUVERTURE VERS L'INTÉRIEUR

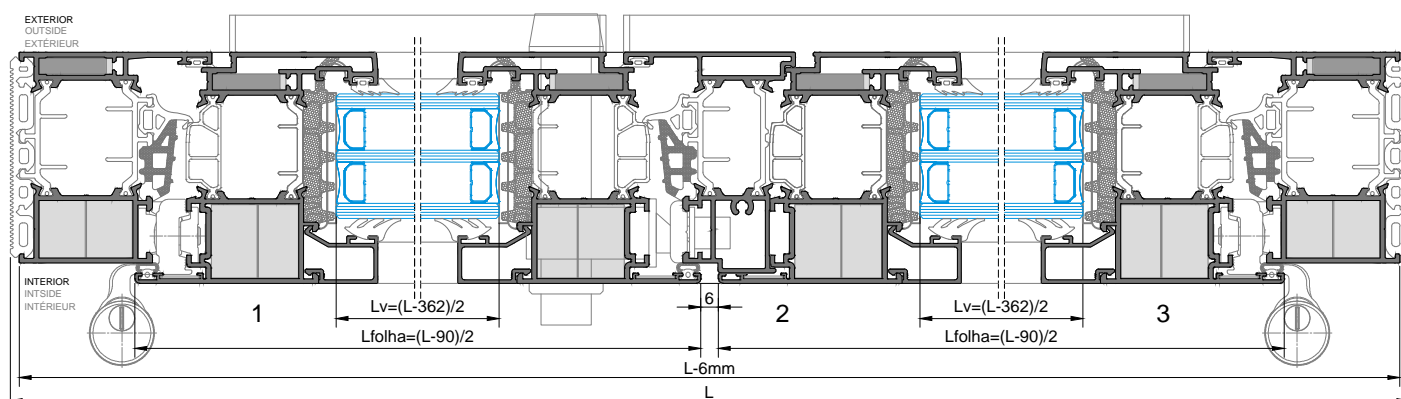
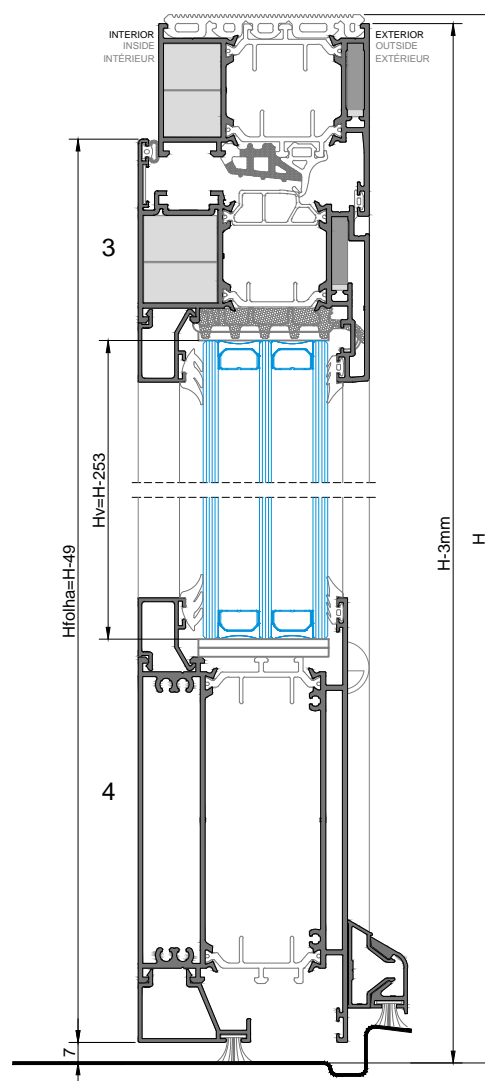
PERFIS   PROFILES   PROFILS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTICALE	QUANT. QUANTITY	CORTE CUT COUPE
ST-07	ARO FIXO FIXED FRAME   DORMANT	L-6	H-3	1+2	
ST-11	ARO MÓVEL MOBILE FR.   OUVRANT	(L-90)/2	H-49	2+4	
ST-06	INVERSOR INVERTER   MENEAU CENTRAL	-	H-83	1	
ST-14	TRAVESSA TRANSOM   TRAVERSE	(L-314)/2	-	2	
SA-31	SUPORTE PINGADEIRA DRIP BRACKET   SUP. JET D'EAU	(L-291)/2	-	2	
SA-32	PINGADEIRA DRIP   JET D'EAU	[(L-220)/2]+65 (L-220)/2	-	1	
-	BITE GLAZING BEAD   PARCLOSE	(L-339)/2	H-281	4+4	
AT-59	REMATÉ INFERIOR INF. PROFILE   PROFILÉ INFÉRIEUR	(L-339)/2	-	2	



MEDIDAS VIDROS (COM VD 2089) GLAZING MEASURES (WITH VD 2089) DIMENSIONS DES VERRES (AVEC VD 2089)	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
(L-362)/2	H-253

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITE
213246	CANTO CR S/SB   ANGLE   COIN	4
204139	ESQUADRO IT/ST N°3 16-1931-C	2
204143	ESQUADRO IT/ST N°6 18-2530-140	4
204151	ESQUADRO 18-0525-C	4
204131	ESQUADRO DE ALINHAMENTO COM APERTO	4
202235	DOBRADIÇA PORTA 2L AFINAÇÃO 3D	6
201128	FECHADURA 3 PONTOS 7717x30   LOCKER   SERRURE	1
230502	SEGREDO 70/30	1
220190	ESPELHO 874.801   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR PORTA DUPLO CUBIC   HANDLE   POIGNE	1
280220	TESTA FECHADURA PRUMO 2000	1
280230	TESTA FECHADURA STAND 2001	2
212346	CONJ. TAPA-TOPO SA32   END-CAP KIT   KIT D'EMBOUTE	2
218126	CALÇOS P/VIDRO S/ST NYLON	2m
212069	CONJUNTO TOPO INVERSOR ST	1
221154	HASTE FECHO 1550.801	1
225155	PASSADOR REVERSIVEL 1550	2
211103	PONTO FECHO PAVIMENTO 1409/8	1

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITE
208185	VD 2089	L+2H
208008	VD 2051 (1)	2L+3H
208184	VD 2412 (Opcional   Optional   Optionnel)	L+3H
208183	VD 2267	L+3H
208350	VD 2003	2L+4H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+4H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	2
208464	PELÚCIA 8.5x12 STOP-FIN   PLUSH   JOINT BROSSÉ	2L
208182	VD 2090	L+4H
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE		
(1) 208143	VD 2071	



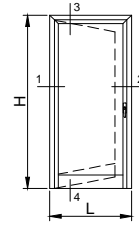
# PORTA DE 1 FOLHA - ABERTURA PARA EXTERIOR

1 LEAF DOOR - OUTWARD OPENING

PORTE À 1 VANTAIL - OUVERTURE VERS L'EXTÉRIEUR

## PERFIS | PROFILES | PROFILS

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTICAL	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
ST-07	ARO FIXO FIXED FRAME   DORMANT	L-6	H-3	1+2	
ST-12	ARO MÓVEL MOVING FRAME   COUVRANT	L-84	H-49	2+2	
ST-14	TRAVESSA TRANSOM   TRAVERSE	L-217	-	1	
SA-31	SUPORTE PINGADEIRA DRIP BRACKET   SUP. JET D'EAU	L-264	-	1	
SA-32	PINGADEIRA DRIP   JET D'EAU	L-84	-	1	
	BITE GLAZING BEAD   PARCLOSE	L-227	H-290	2+2	
AT-59	REMATE INFERIOR INF. PROFILE   PROFILÉ INFÉRIEUR	L-227	-	1	



## MEDIDAS VIDROS

(COM VD 2089)  
GLAZING MEASURES (WITH VD 2089)  
DIMENSIONS DES VERRES (AVEC VD 2089)

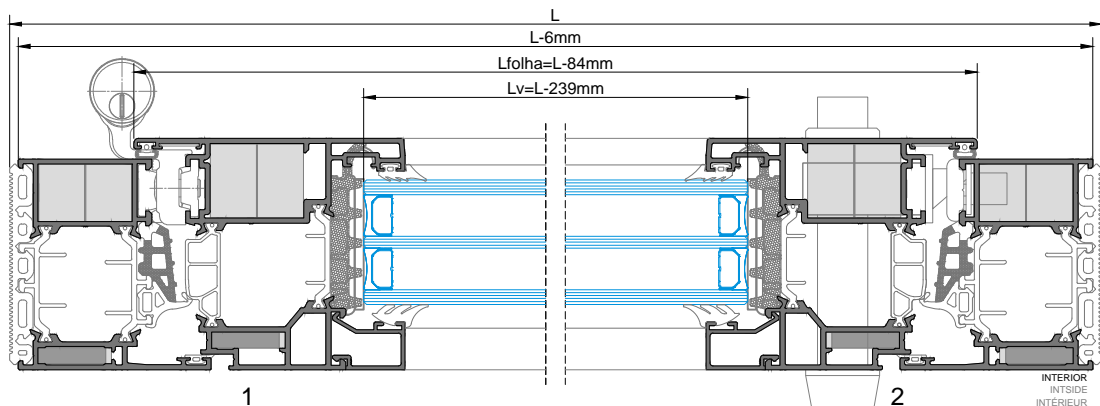
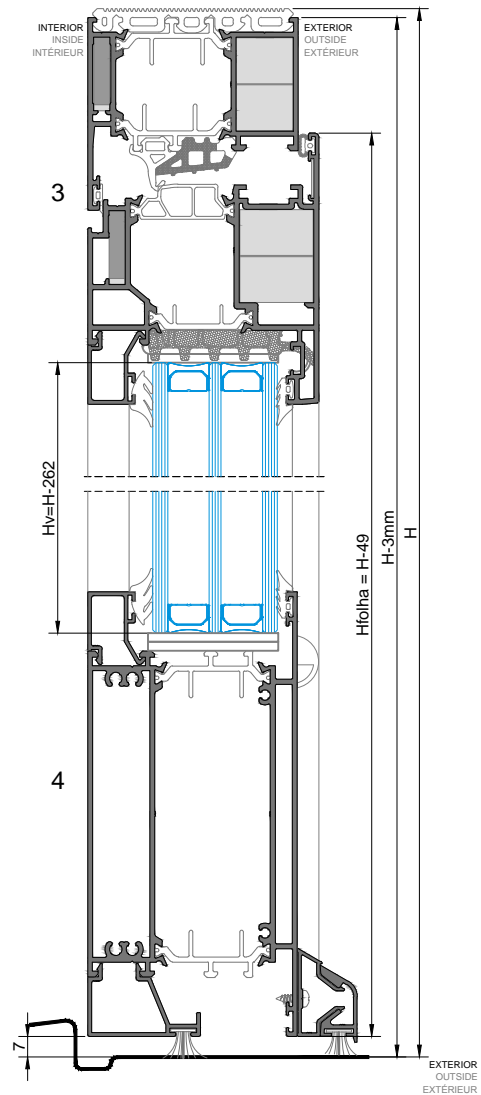
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L-239	H-262

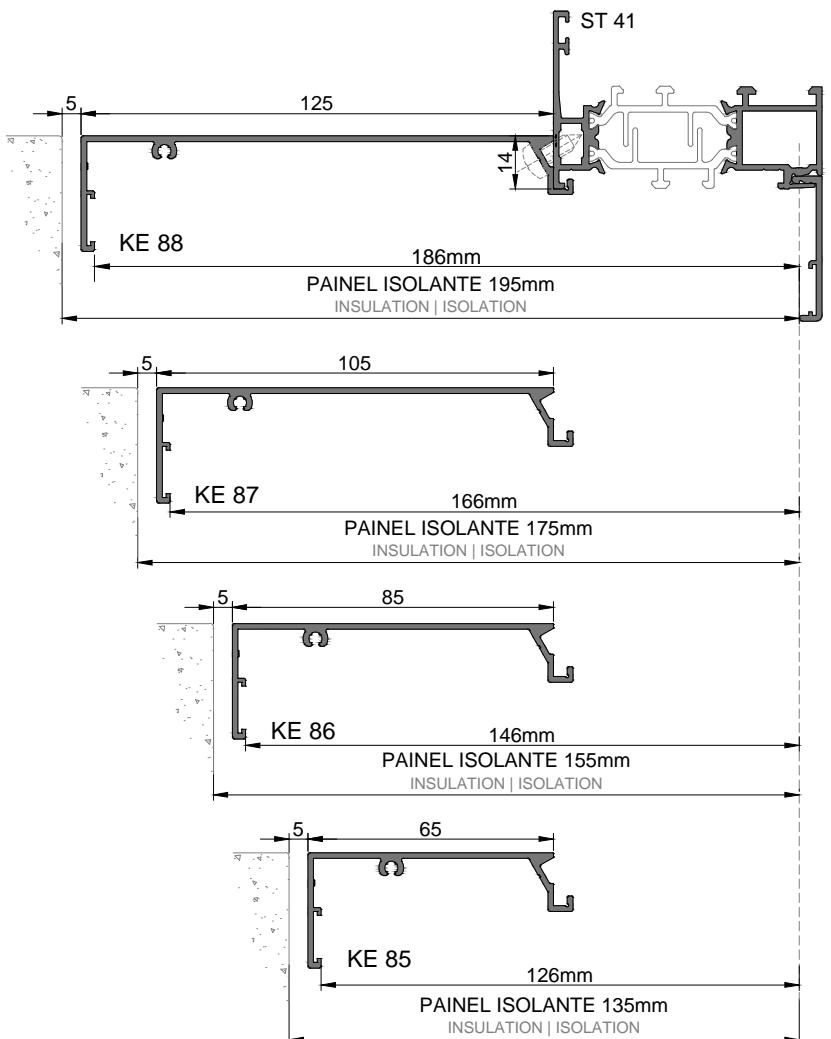
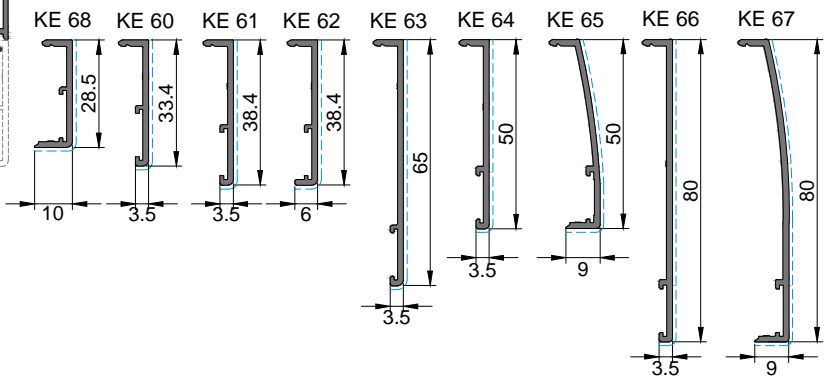
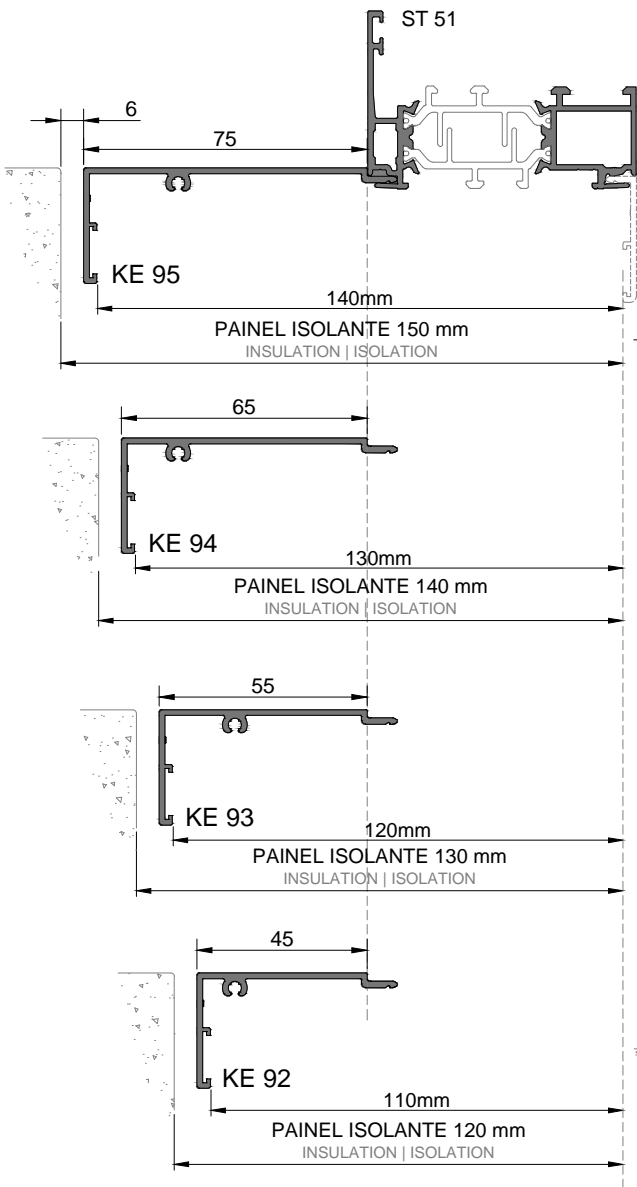
## ACESSÓRIOS | ACCESSORIES | ACCESSOIRES

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
213246	CANTO CR S/SB   ANGLE   COIN	2
204139	ESQUADRO IT/ST N°3 16-1931-C BLOCKING BRACKET   ÉQUERRE	2
204730	ESQUADRO AT E. GRANDE BLOCKING BRACKET   ÉQUERRE	2
204151	ESQUADRO 18-0525-C BLOCKING BRACKET   ÉQUERRE	4
202235	DOBRADIÇA PORTA 2L AFINAÇÃO 3D HINGE   PAI   IMFJ   F	3
201128	FECHADURA 3 PONTOS 7717x30   LOCKER   SERRURE	1
230502	SEGREDO 70/30 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220190	ESPELHO 874.801   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR PORTA DUPLO CUBIC   HANDLE   POIGNÉ	1
280220	TESTA FECHADURA PRUMO 2000 STRICKING PLATE   GÂCHE	1
280230	TESTA FECHADURA STAND 2001 STRICKING PLATE   GÂCHE	2
212346	CONJ. TAPA-TOPO SA32   END-CAP KIT   KIT D'EMBOUTE	2
218126	CALÇOS P/VIDRO S/ST NYLON GLAZING SHIMS   CALES POUR VERRE	1m
212069	CONJUNTO TOPO INVERSOR ST END-CAP KIT   KIT D'EMBOUT	1

## VEDANTES | SEALENTS | JOINTS

CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208185	VD 2089	L+2H
208008	VD 2051 (1)	L+2H
208184	VD 2412 (Opcional   Optional   Optionnel)	L+2H
208183	VD 2267	L+2H
208350	VD 2003	2L+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+2H
213015	CANTO VULCANIZADO 2267.1 CORNER JOINT   JOINT VULCANISÉ	2
208464	PELÚCIA 8.5x12 STOP-FIN   PLUSH   JOINT BROUSSE	2L
208182	VD 2090	L+2H
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE		
(1) 208143	VD 2071	

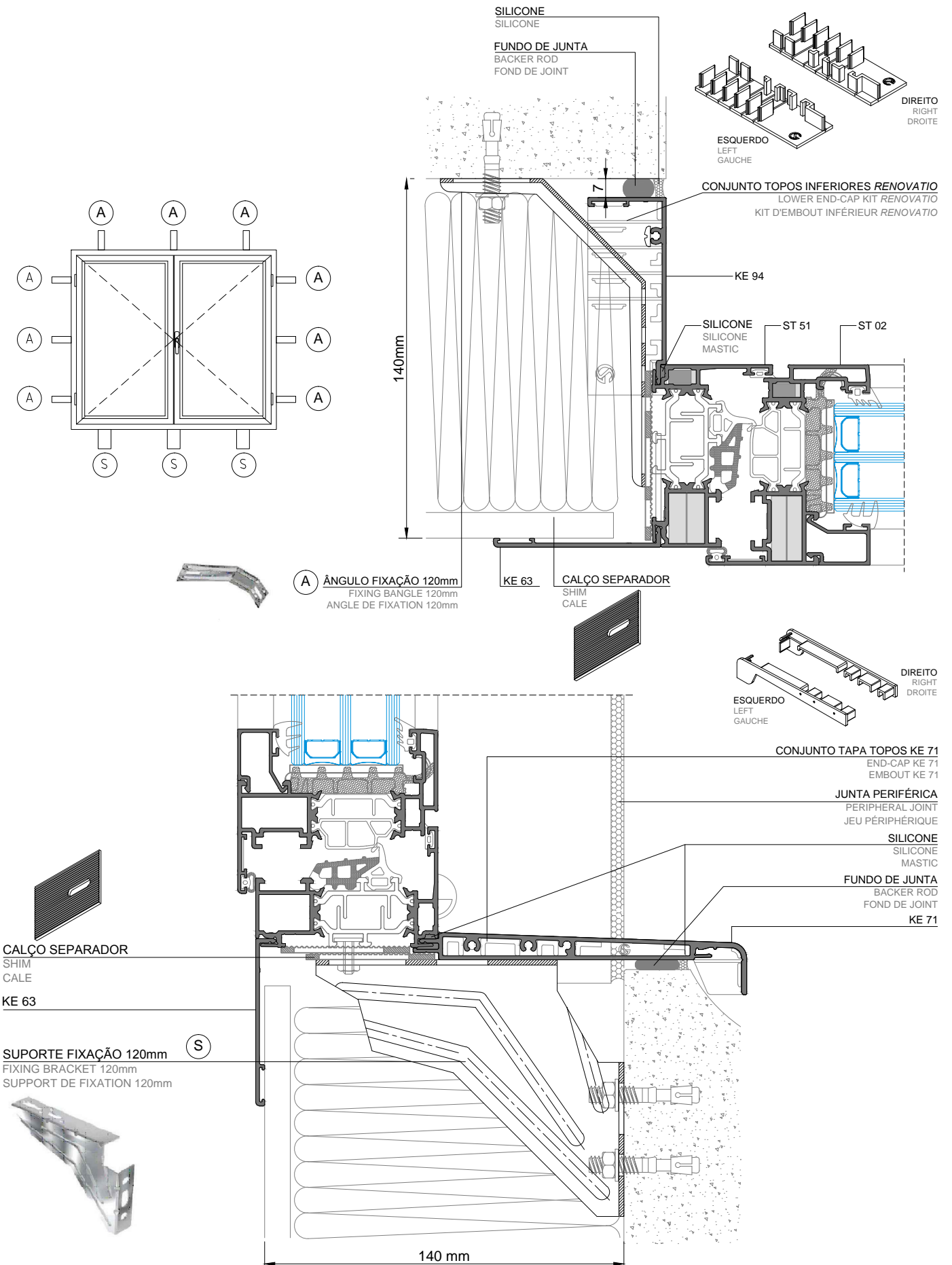




## APLICAÇÃO DAS PEÇAS DE FIXAÇÃO - PAINEL DE 140mm

APPLICATION OF FIXING PARTS - 140mm PANEL

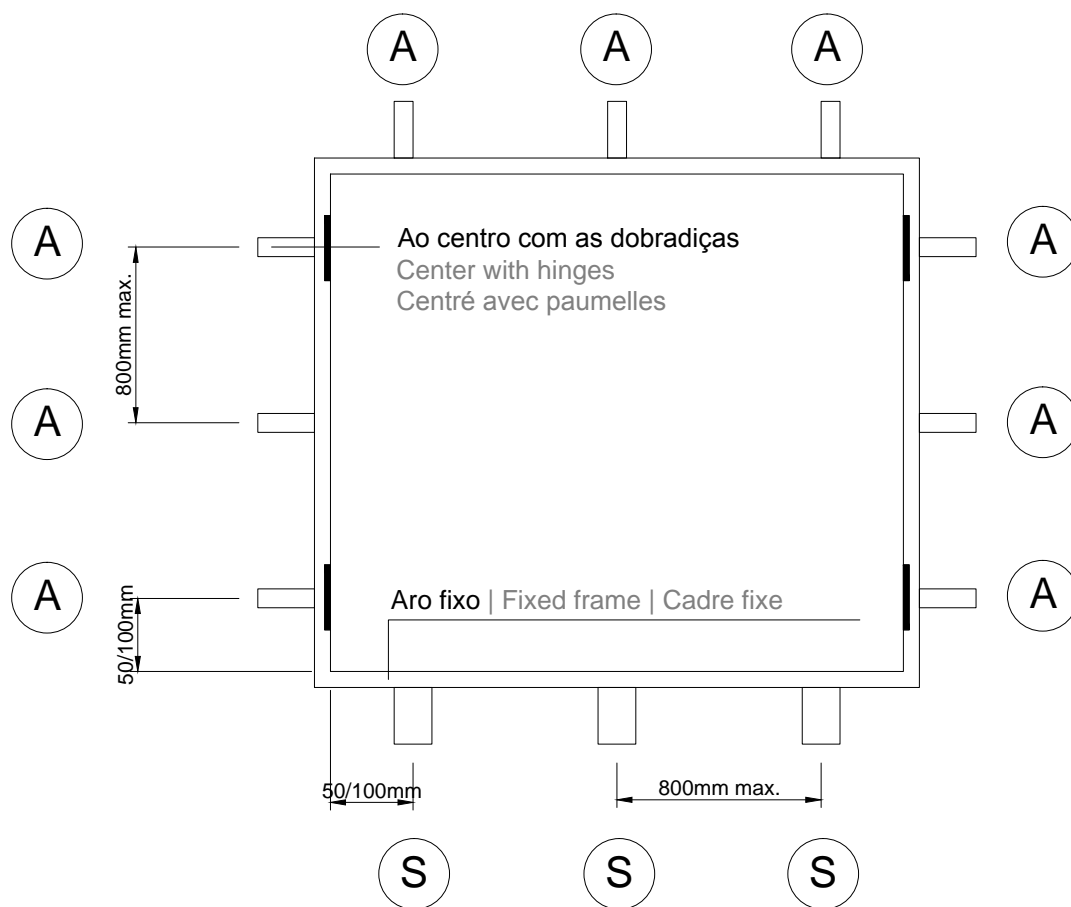
APPLICATION DES FIXATIONS - PANNEAU DE 140mm



## APLICAÇÃO DAS PEÇAS DE FIXAÇÃO

APPLICATION OF FIXING PARTS

APPLICATION DES FIXATIONS



A

ÂNGULO FIXAÇÃO 100mm ou 120mm  
FIXING ANGLE 100mm or 120mm  
ANGLE DE FIXATION 100mm ou 120mm



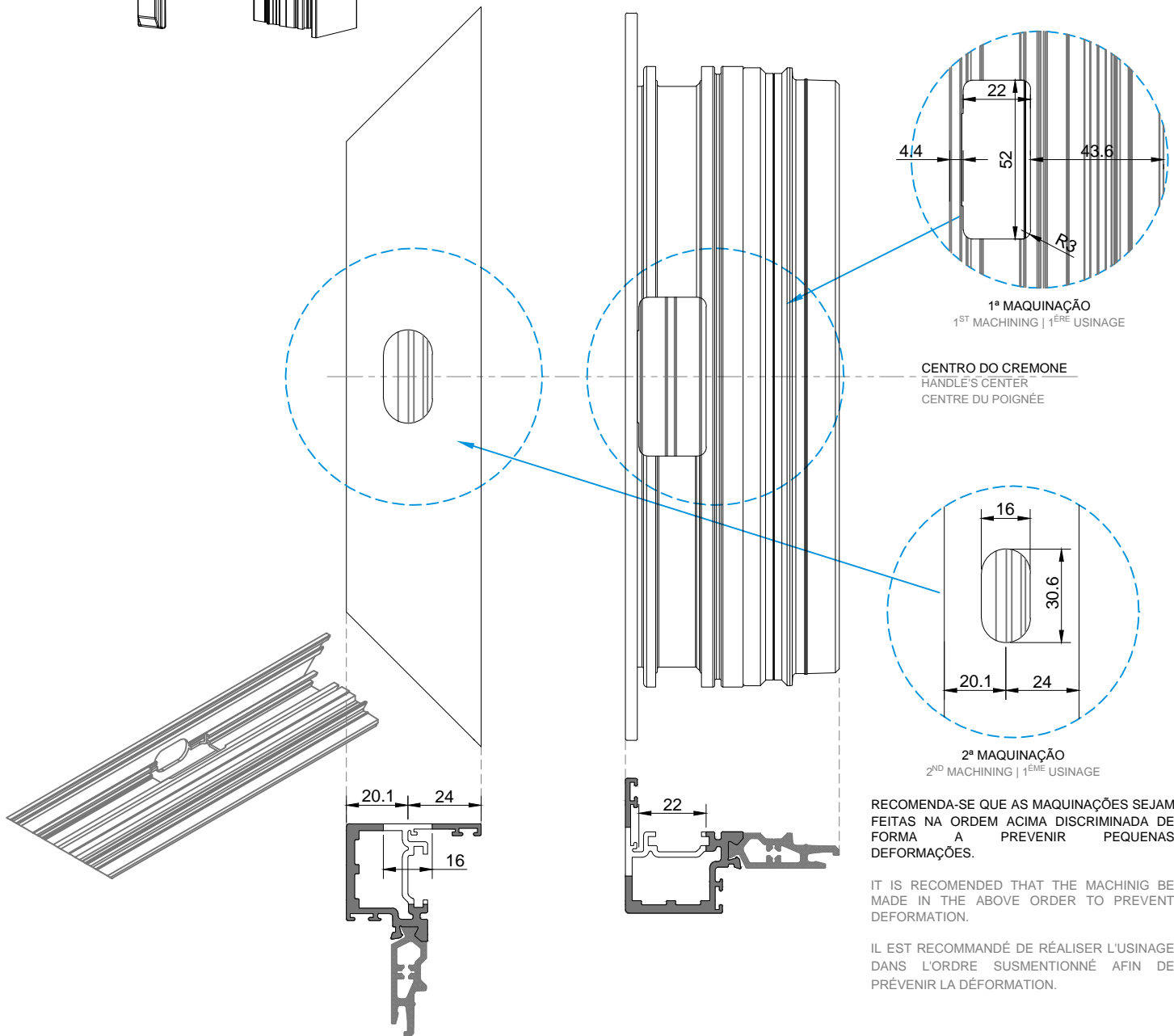
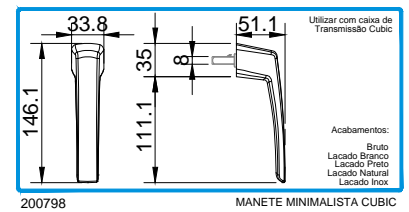
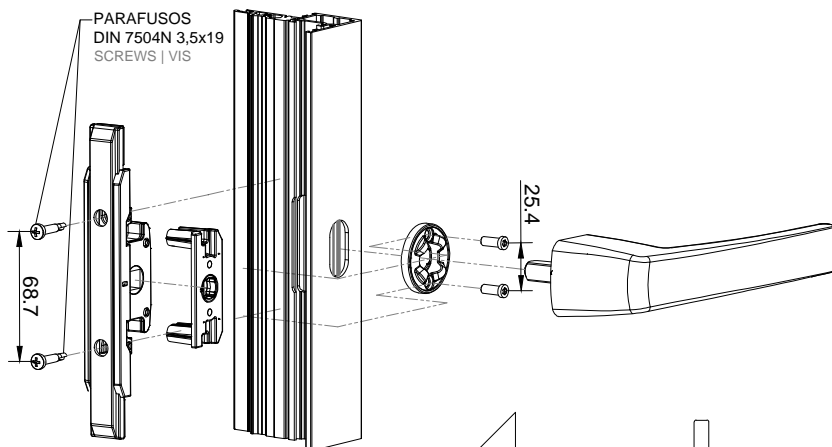
S

SUPORTE FIXAÇÃO 100mm ou 120mm  
FIXING BRACKET 100mm or 120mm  
SUPPORT DE FIXATION 100mm ou 120mm

Peso máximo de vidro permitido = 35Kg/m<sup>2</sup>  
Maximum glass weight allowed: 35Kg/m<sup>2</sup>  
Poids maximale de verre autorisé: 35Kg/m<sup>2</sup>



**MONTAGEM DA MANETE MINIMALISTA CUBIC - ST OCULTA**  
ASSEMBLY OF THE MINIMALIST HANDLE CUBIC - ST CONCEALED  
MONTAGE DE POIGNÉE MINIMALISTE CUBIC - ST OCULTA



RECOMENDA-SE QUE AS MAQUINAÇÕES SEJAM FEITAS NA ORDEM ACIMA DISCRIMINADA DE FORMA A PREVENIR PEQUENAS DEFORMAÇÕES.

IT IS RECOMENDED THAT THE MACHING BE MADE IN THE ABOVE ORDER TO PREVENT DEFORMATION.

IL EST RECOMMANDÉ DE RÉALISER L'USINAGE DANS L'ORDRE SUSMENTIONNÉ AFIN DE PRÉVENIR LA DÉFORMATION.

AS MAQUINAÇÕES DEVEM TER EM CONTA A MAQUINARIA DO CLIENTE E SEREM PREVIAMENTE TESTADAS POIS PODEM EXISTIR VARIAÇÕES DE FRESAS OU PEQUENOS AJUSTES DE PROGRAMA.

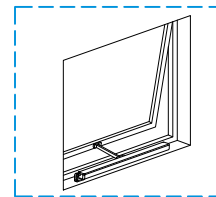
MACHINING SHOULD CONSIDER CUSTOMER MACHINERY AND BE PREVIOUSLY TESTED AS MILLING VARIATIONS MAY BE MADE OR SMALL PROGRAM ADJUSTMENTS.

L'USINAGE DOIT CONSIDÉRER LES MACHINES DU CLIENT ET ÊTRE TESTÉ PRÉALABLEMENT QUE DES VARIATIONS D'USINAGE PEUVENT ÊTRE EFFECTUÉES OU DE PETIT AJUSTEMENTS DE PROGRAMME.

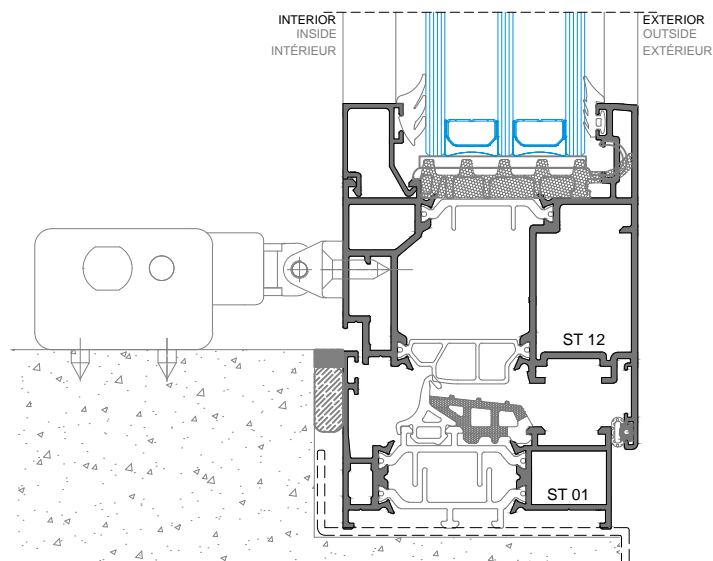
## KIT FIXAÇÃO PARA ACIONADORES - JANELAS PROJETANTES

BRACKET KIT FOR CHAIN ACTUATORS - AWNING WINDOWS

KIT ETRIERS POUR BOÎTIER A CHAÎNE - FENÊTRE À L'ITALIENNE



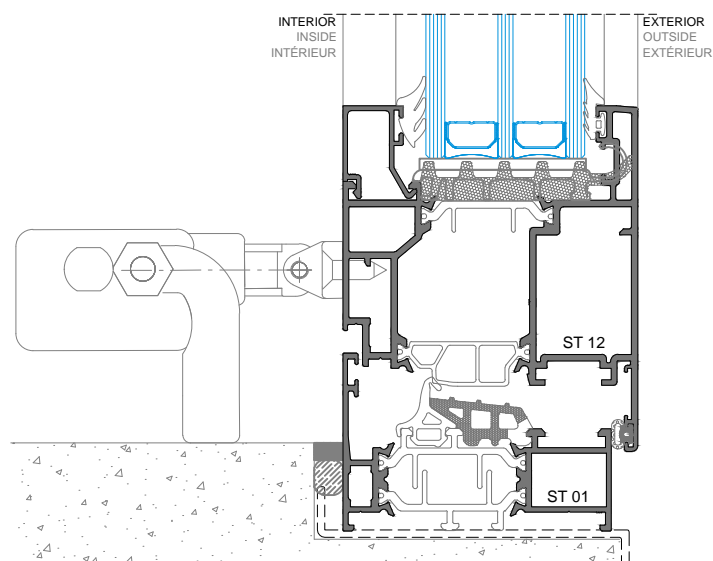
**FIXAÇÃO DIRETA - NÃO SÃO NECESSÁRIOS KITS DE FIXAÇÃO**  
DIRECT FIXING - NO BRACKET KITS REQUIRED  
FIXATION DIRECTE - NE PAS NECESSITER DES KITS ETRIERS



**FIXAÇÃO NO PEITORIL - UTILIZAR O KIT DE FIXAÇÃO**  
WINDOW-SILL FIXING - APPLY THE BRACKET KIT  
FIXATION DANS LE SEUIL - UTILISER LE KIT ETRIERS

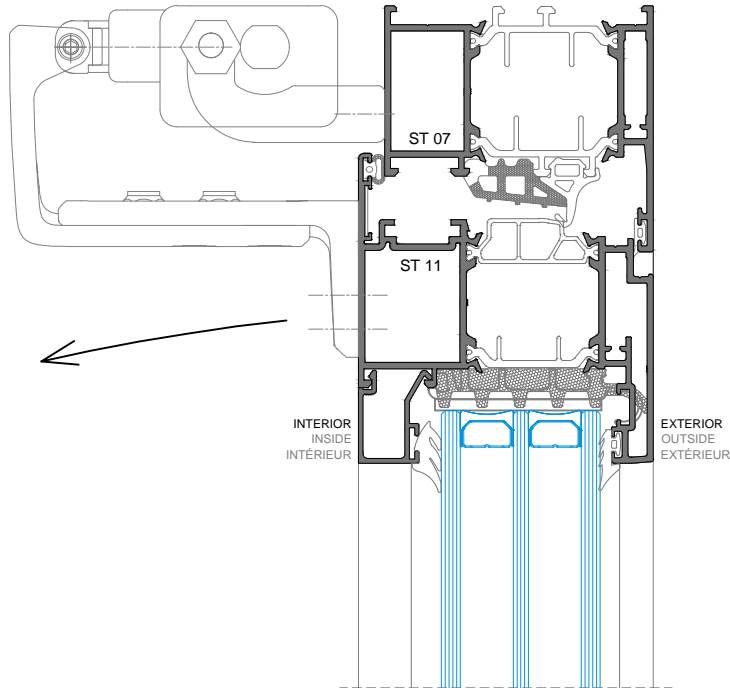
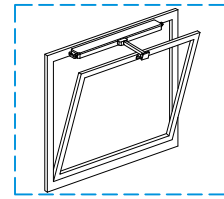


223089 | 223091 | 223090  
KIT FIXAÇÃO ACIONADOR  
40843F | 40844G | 40845H





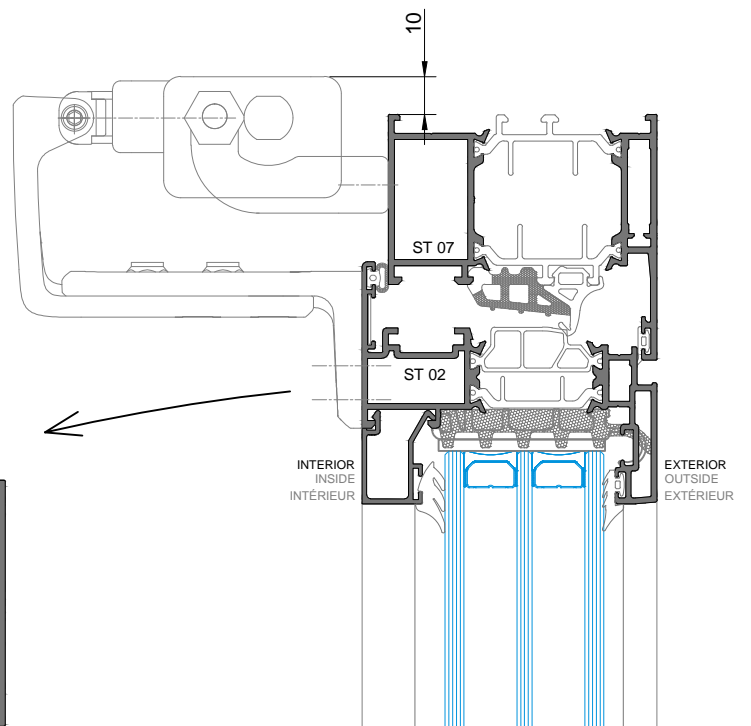
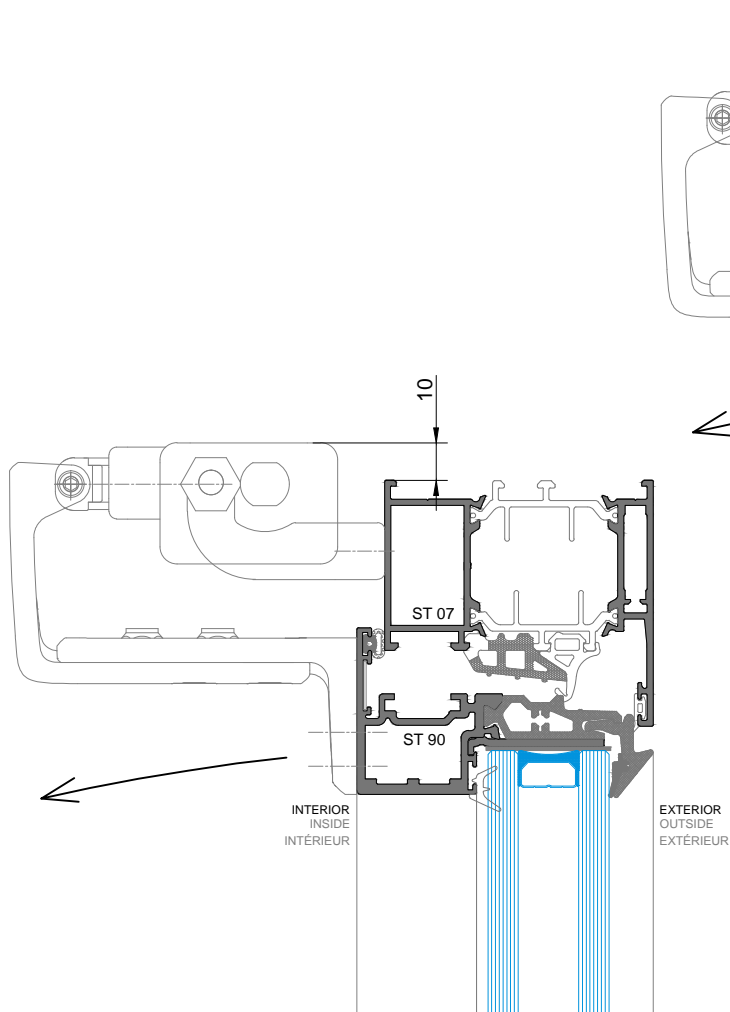
**KIT FIXAÇÃO PARA ACIONADORES - JANELAS BACULANTES**  
BRACKET KIT FOR CHAIN ACTUATORS - HOPPER WINDOWS  
KIT ETRIERIS POUR BOÎTIER A CHAÎNE - FENÊTRE À SOUFFLET



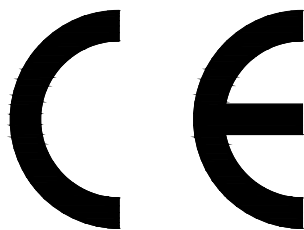
230236 | 230237 | 230238  
SUPORTE P/ MOTOR  
41709Z | 41710A | 41711B



223089 | 223091 | 223090  
KIT FIXAÇÃO ACIONADOR  
40843F | 40844G | 40845H



## MARCAÇÃO | MARKING | MARQUAGE



### **MANUAL DE FABRICO E MONTAGEM:**

MANUFACTURING AND ASSEMBLY MANUAL | MANUEL DE FABRICATION ET ASSEMBLAGE

1. **CORTE DOS PERFIS**  
PROFILES CUT | COUPE DES PROFILÉS
2. **MAQUINAÇÃO DOS PERFIS**  
PROFILES MACHINING | USINAGE DES PROFILÉS
3. **MONTAGEM DOS PERFIS**  
PROFILES ASSEMBLY | ASSEMBLAGE DES PROFILÉS
4. **APLICAÇÃO DOS VEDANTES**  
SEALENTS ASSEMBLY | ASSEMBLAGE DES JOINTS
5. **MONTAGEM DAS FERRAGENS E ACESSÓRIOS**  
HARDWARE AND ACCESSORIES ASSEMBLY | ASSEMBLAGE DES FERRURES ET ACCESSOIRES
6. **VERIFICAÇÃO DE TODAS AS FOLGAS**  
CHECK OF ALL GAPS | VERIFICATION DES TOUTES LES JEUX
7. **AFINAÇÃO DAS FERRAGENS E ACESSÓRIOS**  
HARDWARE AND ACCESSORIES CALIBRATION | RÉGLAGE DES FERRURES ET ACCESSOIRES
8. **COLOCAÇÃO DOS VIDROS NO CAIXILHO**  
GLAZING PLACEMENT IN FRAME | MISE DES VERRRES DANS LE CHÂSSIS
- 8.1. **Posicionamento dos calços**  
Shims positioning | Positionnement des cales
- 8.2. **Aplicação dos vedantes dos vidros**  
Application of glazing sealents | Application des étanchéités des verres
9. **FIXAÇÃO DOS CAIXILHOS EM OBRA**  
FRAMES FIXING | FIXATION DES CHÂSSIS









## 1. CORTE DOS PERFIS

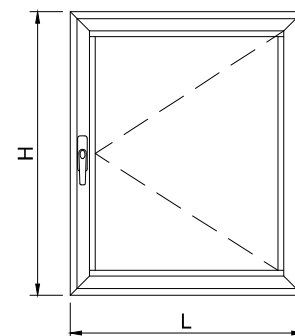
As medidas de corte poderão ser obtidas através de:

The cut measures can be obtained through | Les mesures de coupe peuvent être obtenus par:

- Plano de corte das várias tipologias dispostas no Catálogo Técnico ST,  
Cutting plan of the several typologies arranged in ST Technical Catalog  
Plan de coupe des différents typologies disposés dans le Catalogue Technique ST

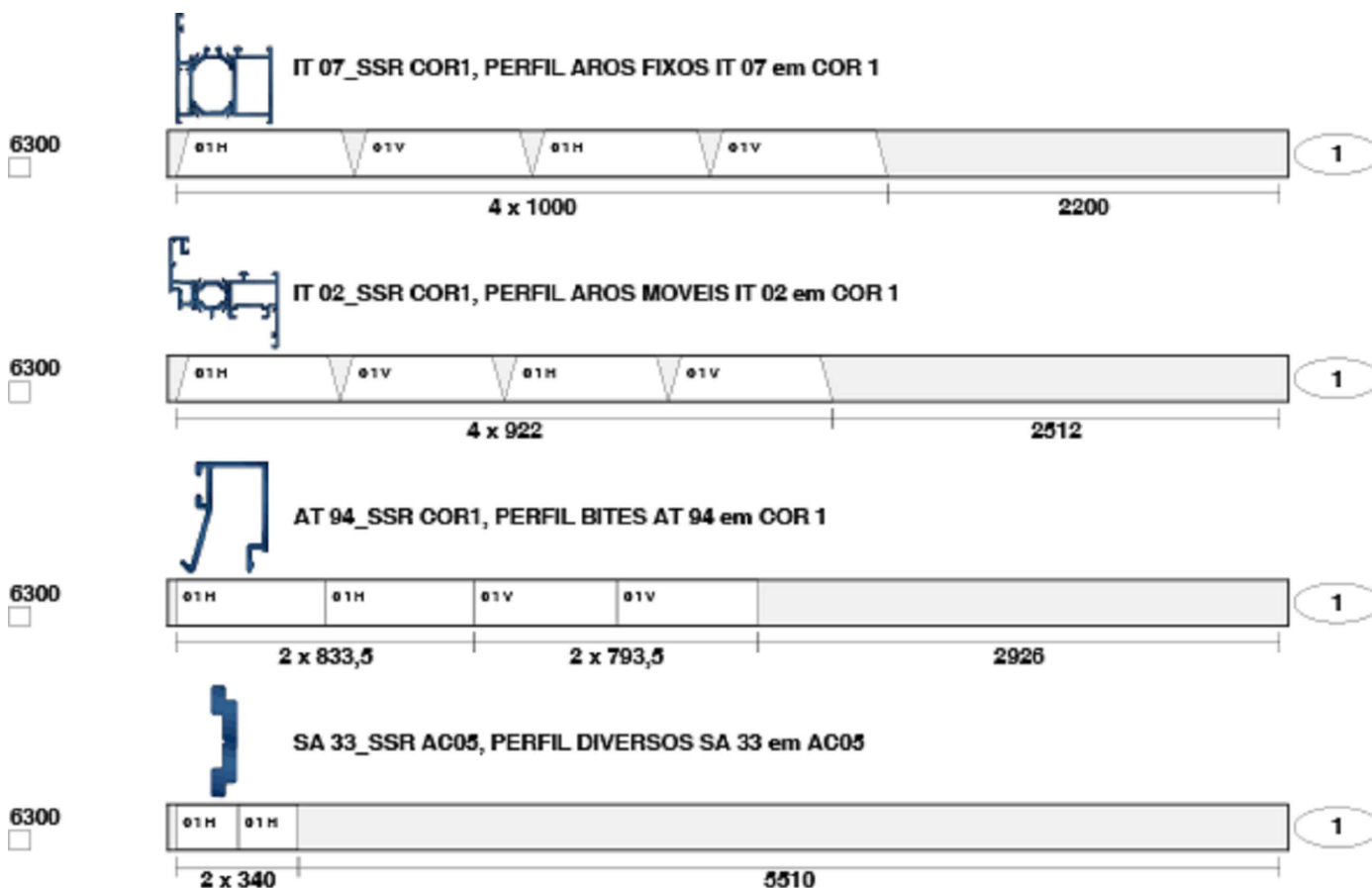
Exemplo | Example | Exemple 1:

PERFIS						
DES°	REF <sup>a</sup>	DESIGNAÇÃO	CORTE HORIZ.	CORTE VERT.	QUANT.	CORTE
	ST-01	ARO FIXO	L-6	H-6	2+2	
	ST-02	ARO MÓVEL	L-48	H-48	2+2	
	-	BITE RETO	L-136	H-176	2+2	
	SA-33	VARETA	-	(H-290)/2	2	



- Ou através do plano de corte gerado pelo programa de orçamentação **PrefSuite**  
Or through the cutting plane generated by the budgeting program  
Ou à travers du plan de coupe généré par le programme de budget

Exemplo | Example | Exemple 2:



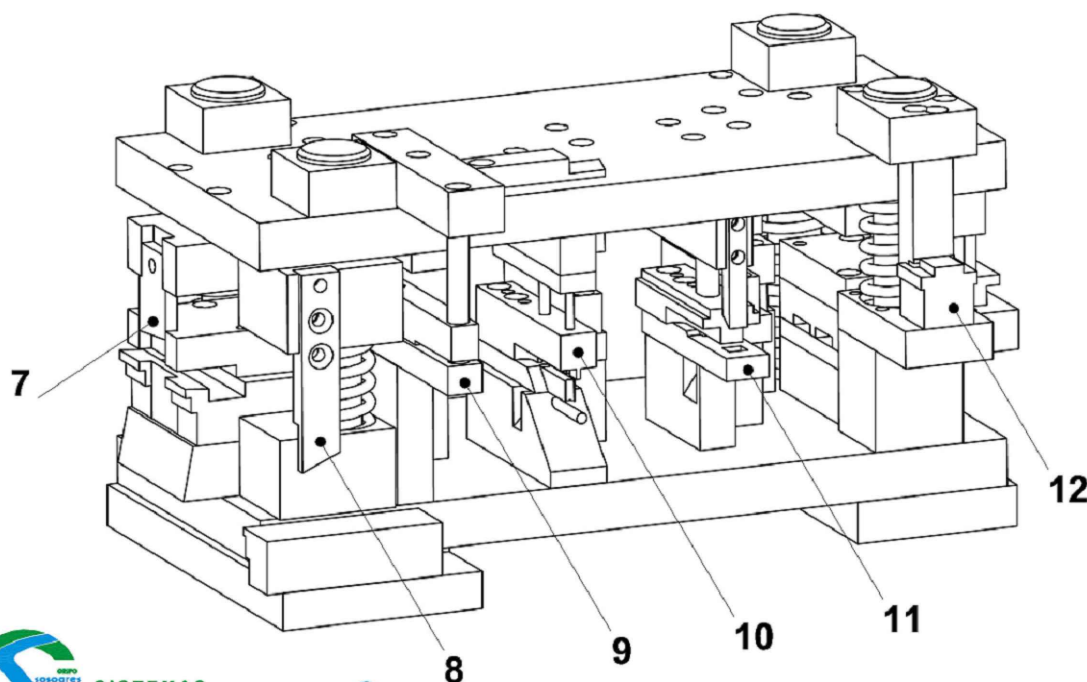
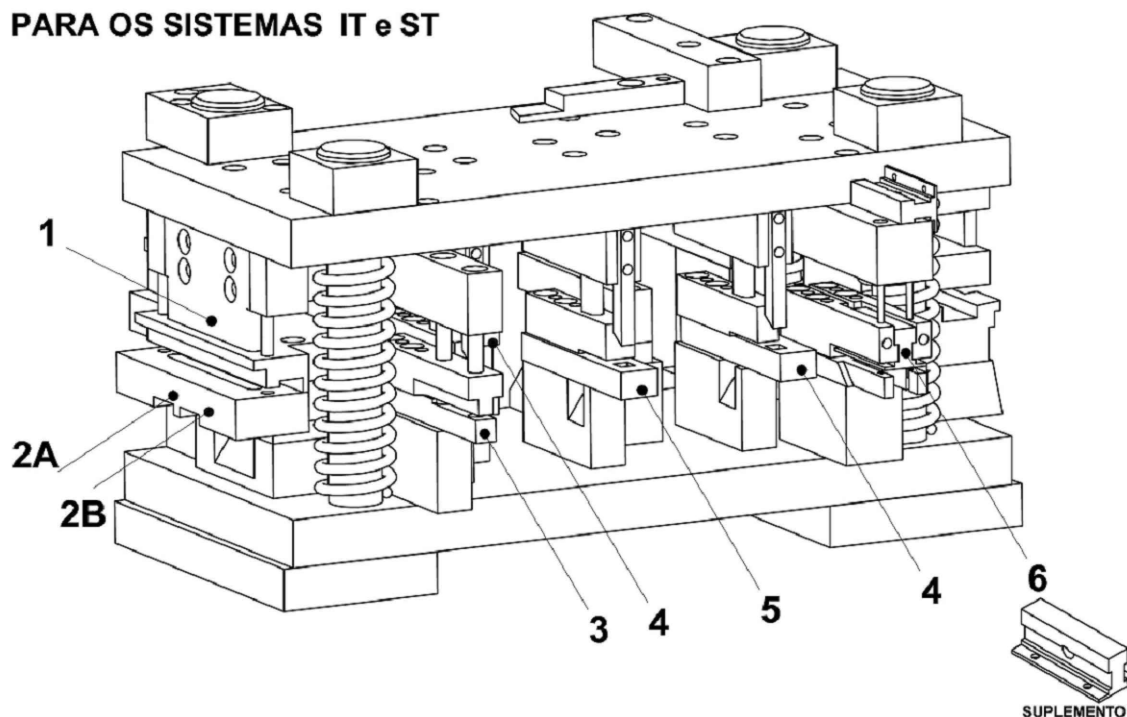
## 2. MAQUINAÇÃO DOS PERFIS

PROFILES MACHINING | USINAGE DES PROFILÉS

- PLANOS DE CORTE PARA O CORTANTE IT/ST  
CUTTING PLANS FOR IT/ST PUNCHING TOOL | PLANS DE COUPE POUR POINÇON IT/ST

### CORTANTE IT/ST

PARA OS SISTEMAS IT e ST

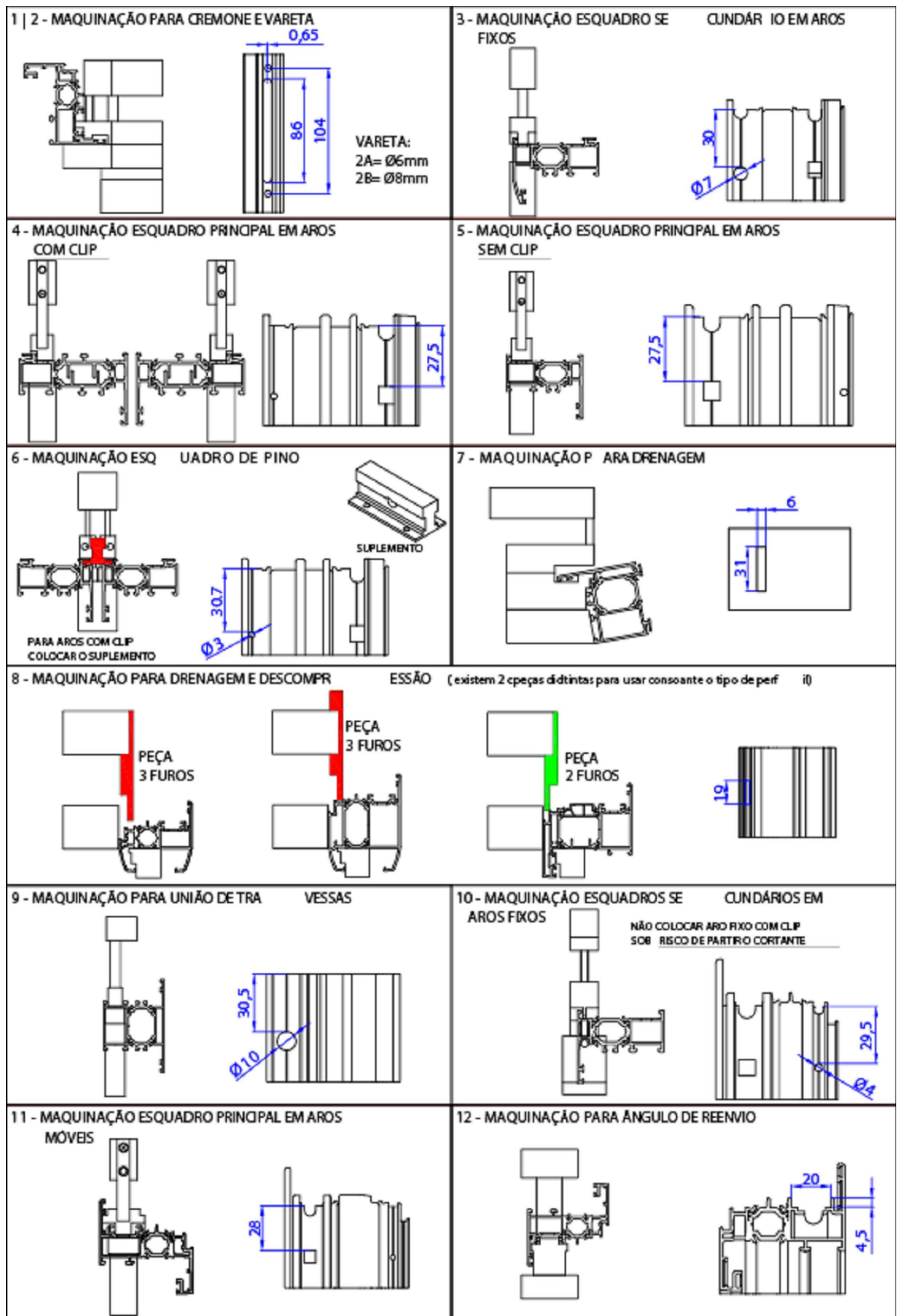


## 2. MAQUINAÇÃO DOS PERFIS

PROFILES MACHINING | USINAGE DES PROFILÉS

- PLANOS DE CORTE PARA O CORTANTE IT/ST

CUTTING PLANS FOR IT/ST PUNCHING TOOL | PLANS DE COUPE POUR POINÇON IT/ST

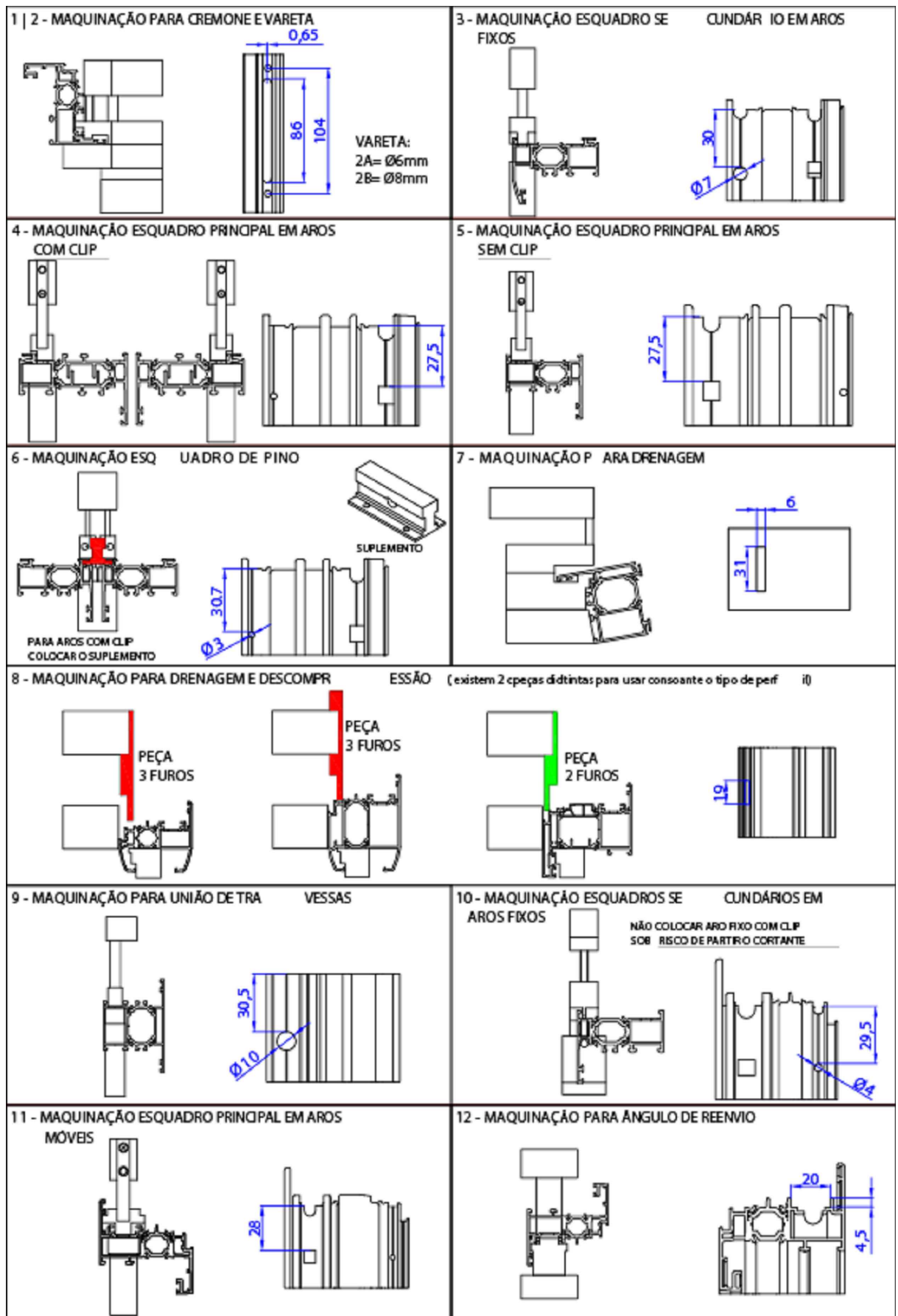


## 2. MAQUINAÇÃO DOS PERFIS

PROFILES MACHINING | USINAGE DES PROFILÉS

- PLANOS DE CORTE PARA O CORTANTE IT/ST

CUTTING PLANS FOR IT/ST PUNCHING TOOL | PLANS DE COUPE POUR POINÇON IT/ST



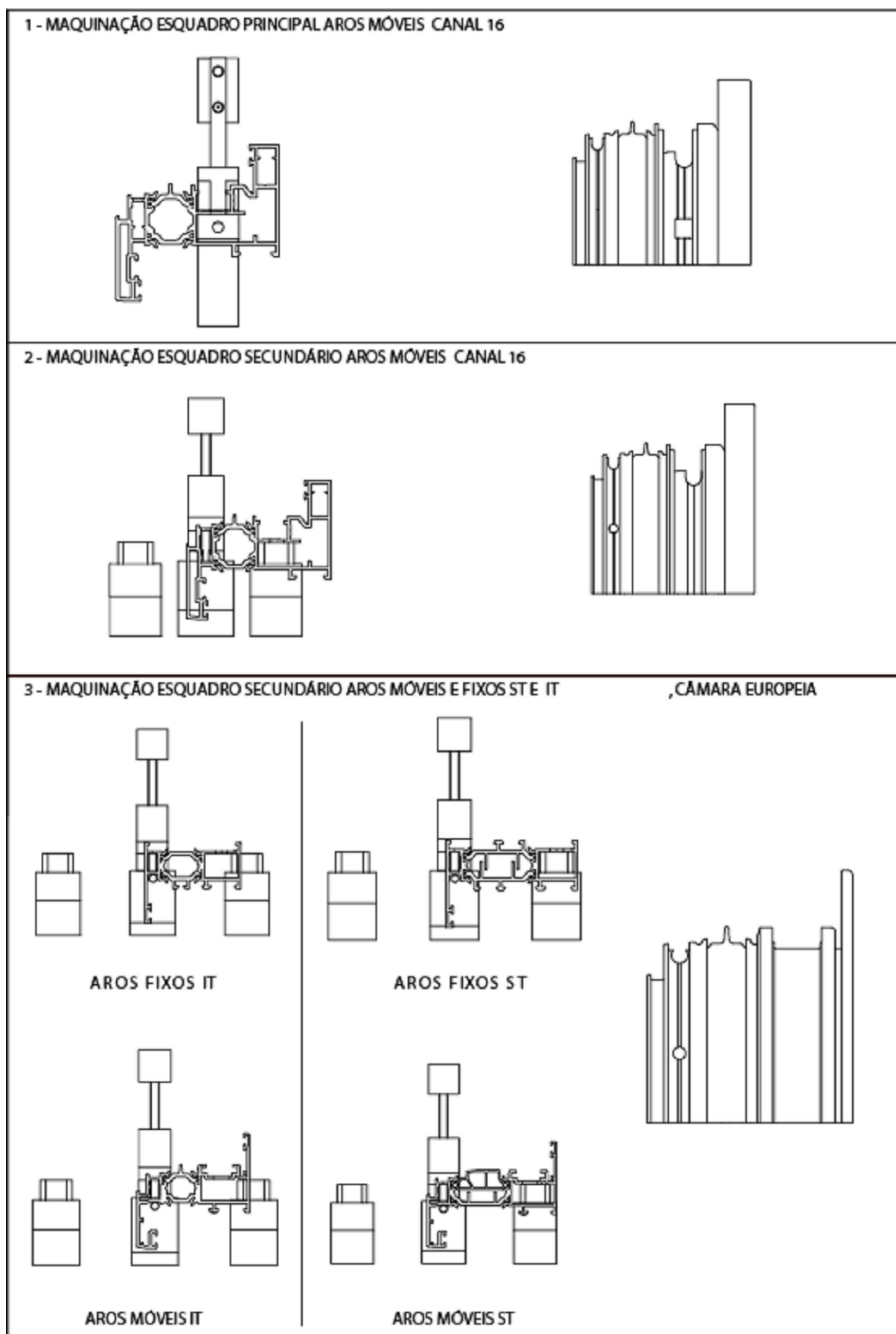


## 2. MAQUINAÇÃO DOS PERFIS

PROFILES MACHINING | USINAGE DES PROFILÉS

- PLANOS DE CORTE PARA O CORTANTE IT/ST Nº 2

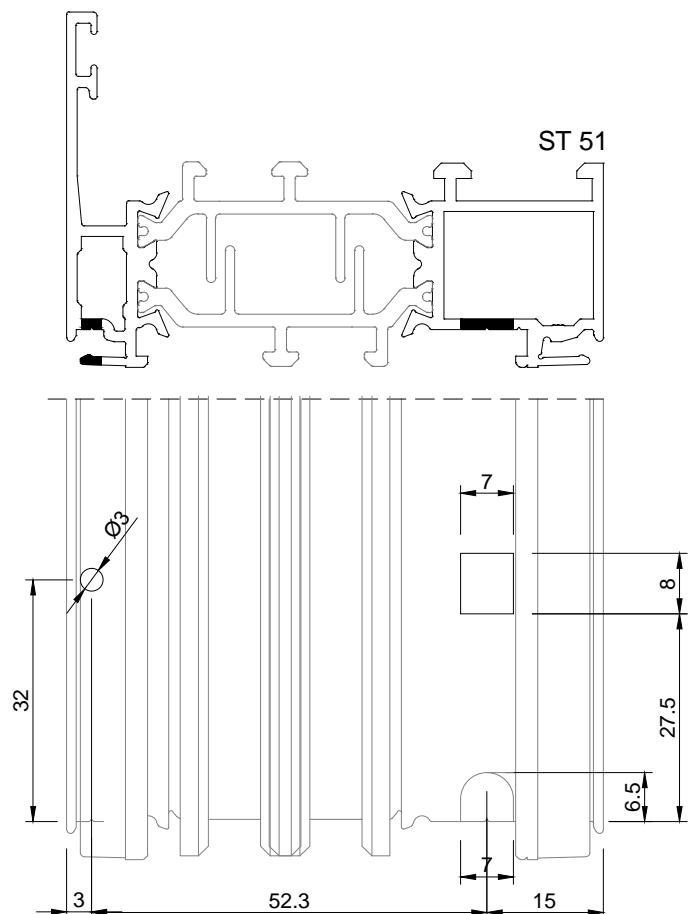
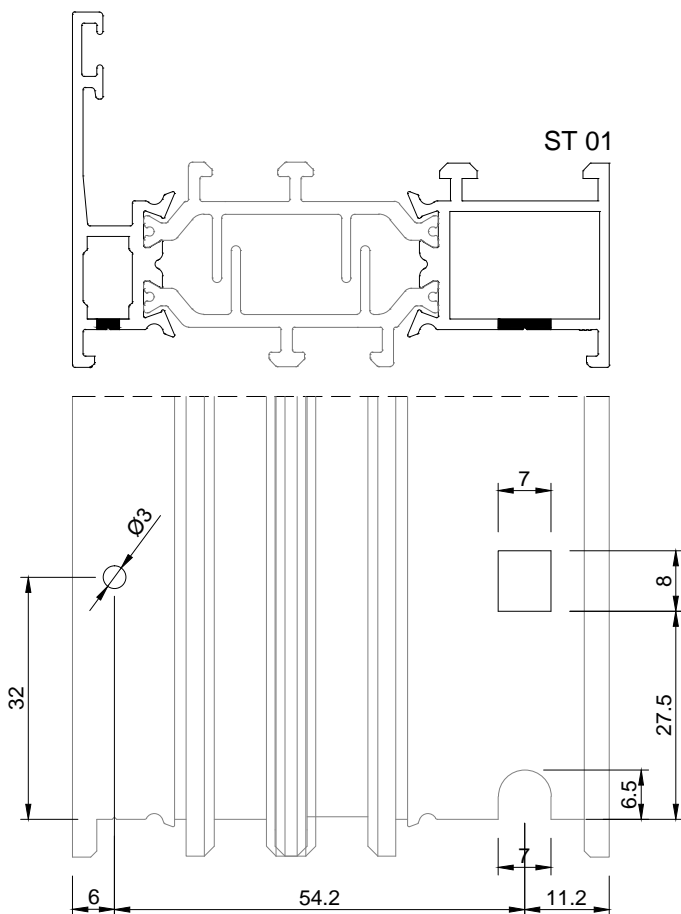
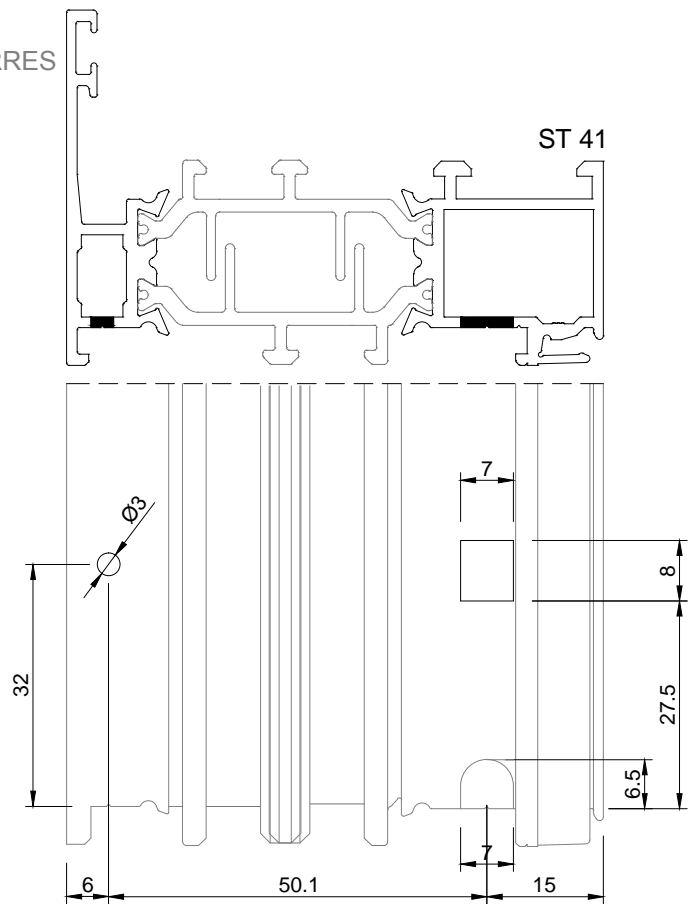
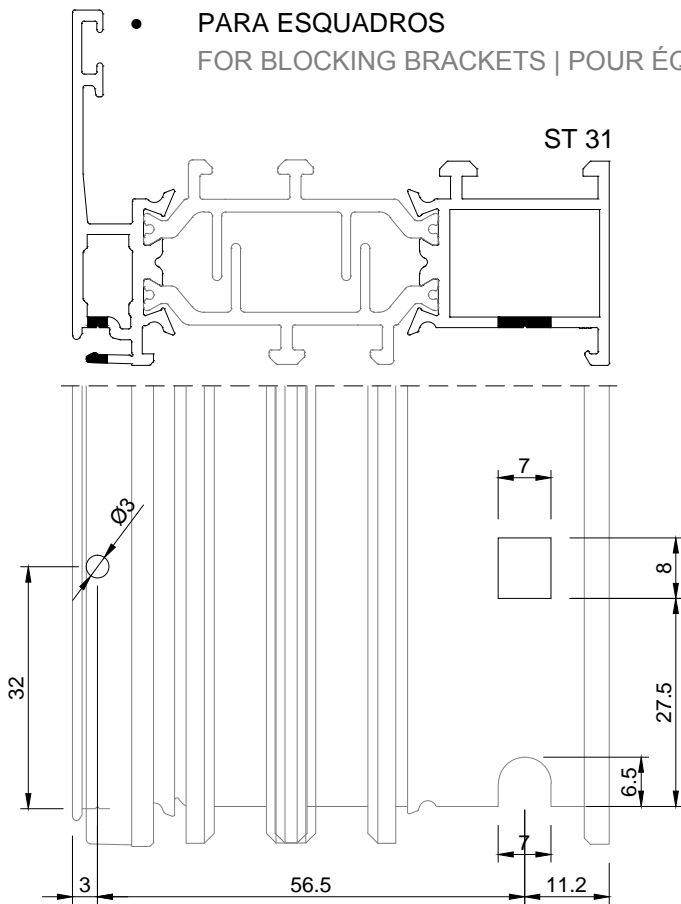
CUTTING PLANS FOR IT/ST PUNCHING TOOL N.2 | PLANS DE COUPE POUR POINÇON IT/STN. 2



## 2. MAQUINAÇÃO DOS PERFIS - Aros fixos

PROFILES MACHINING - Fixed frames | USINAGE DES PROFILÉS - Cadre dormant

- PARA ESQUADROS  
FOR BLOCKING BRACKETS | POUR ÉQUERRES

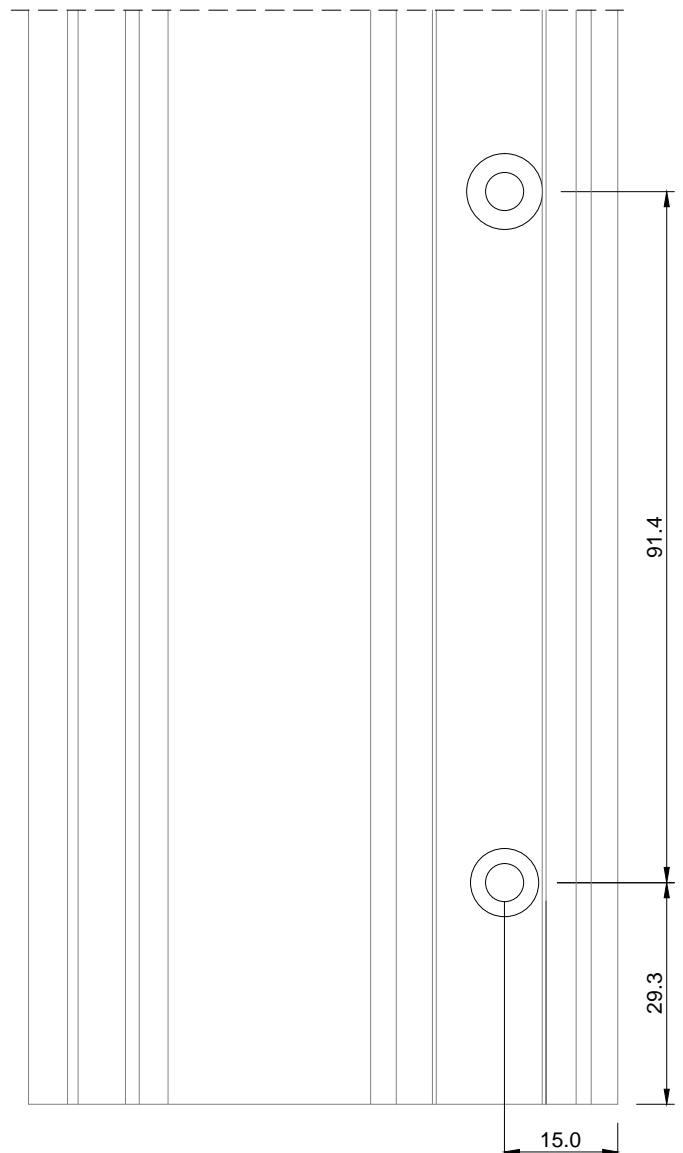
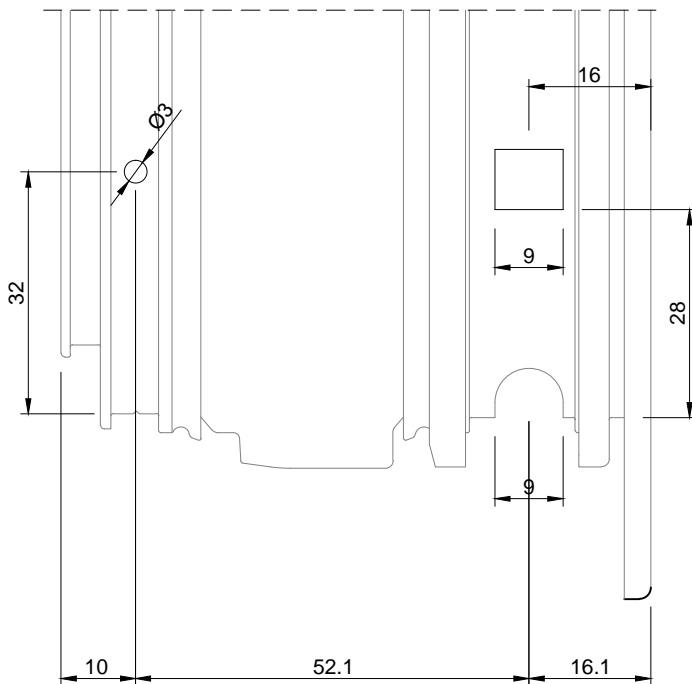
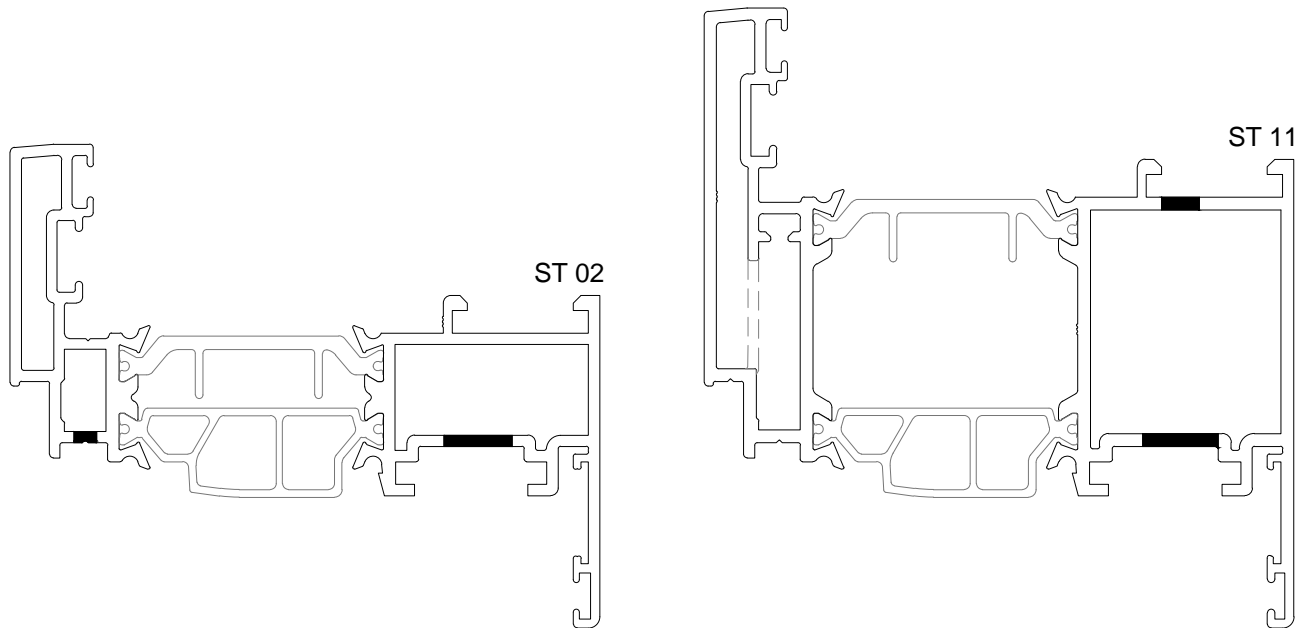




## 2. MAQUINAÇÃO DOS PERFIS - Aros móveis

PROFILES MACHINING - Mobile frames | USINAGE DES PROFILÉS - Cadres ouvrants

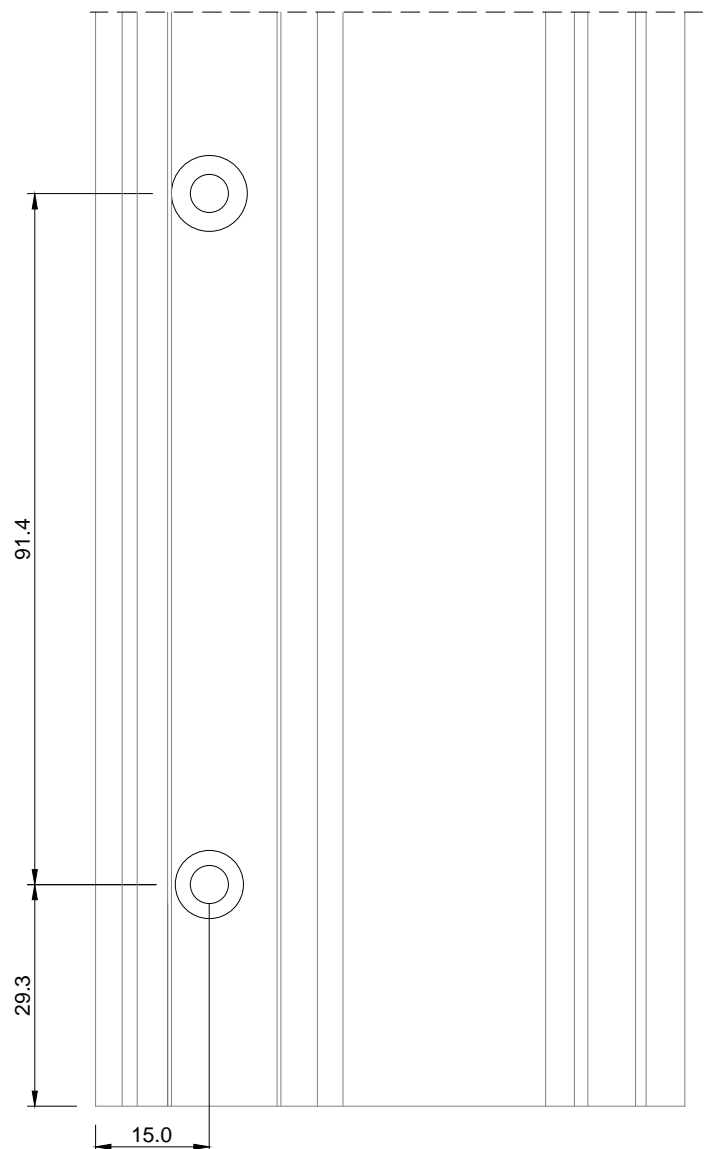
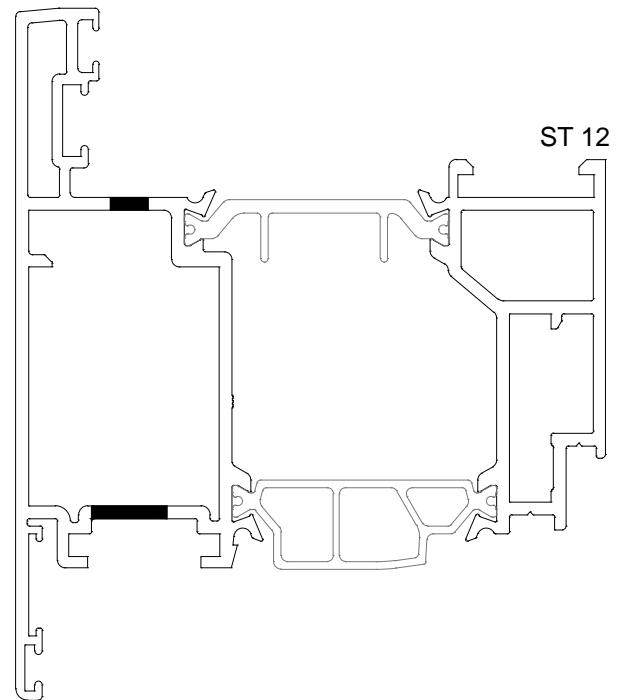
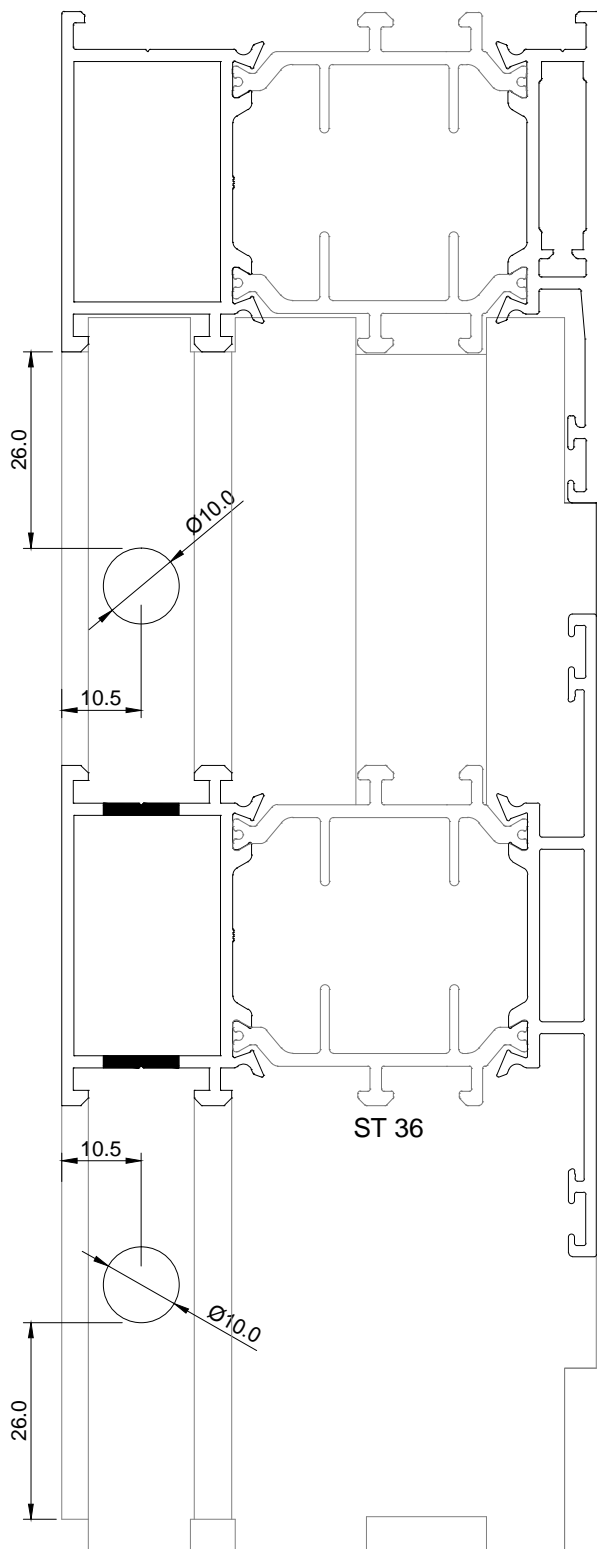
- PARA ESQUADROS  
FOR BLOCKING BRACKETS | POUR ÉQUERRES



## 2. MAQUINAÇÃO DOS PERFIS - Aros móveis

PROFILES MACHINING - Mobile frames | USINAGE DES PROFILÉS - Cadres ouvrants

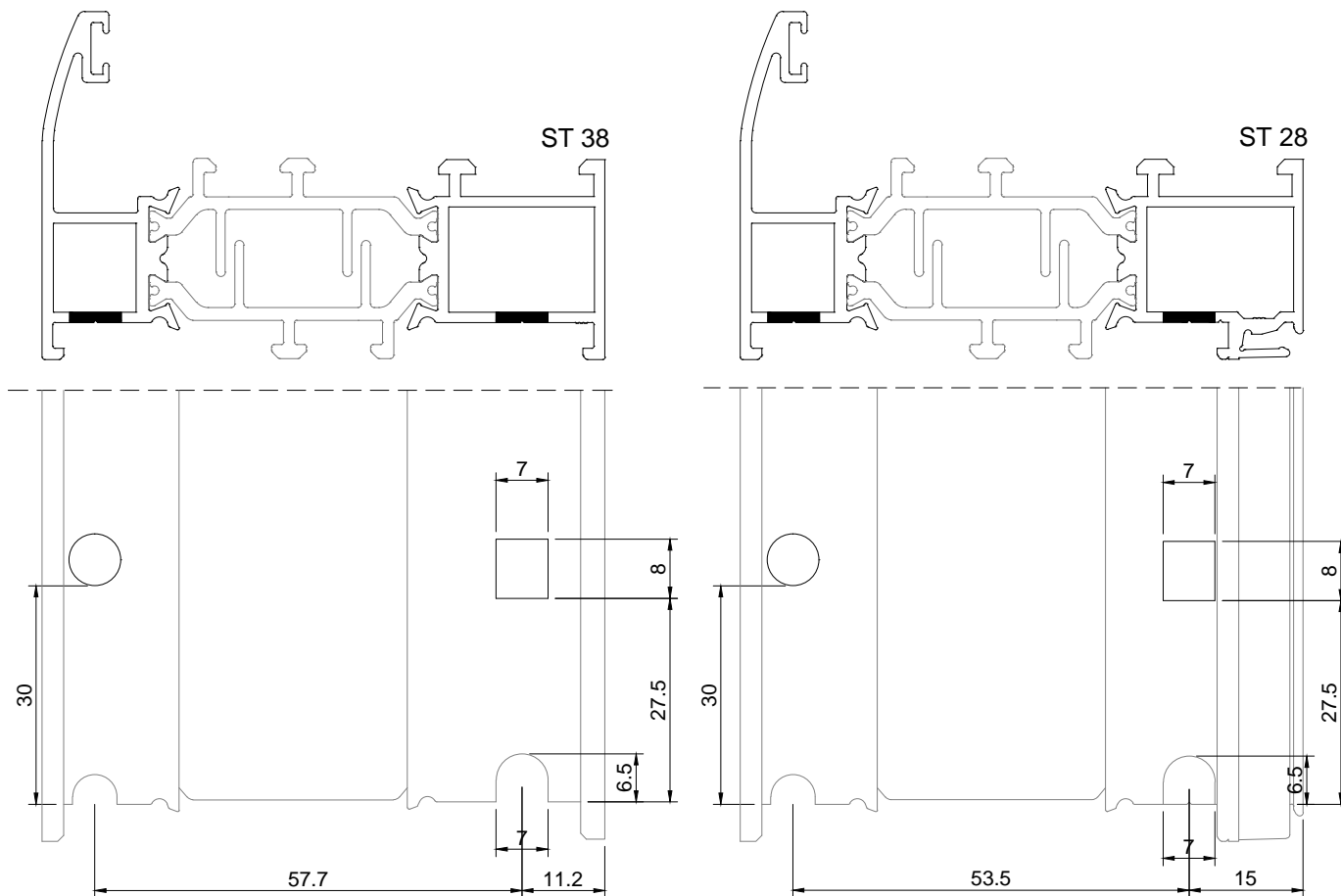
- PARA ESQUADROS  
FOR BLOCKING BRACKETS | POUR ÉQUERRES



## 2. MAQUINAÇÃO DOS PERFIS - Aros móveis

PROFILES MACHINING - Mobile frames | USINAGE DES PROFILÉS - Cadres ouvrants

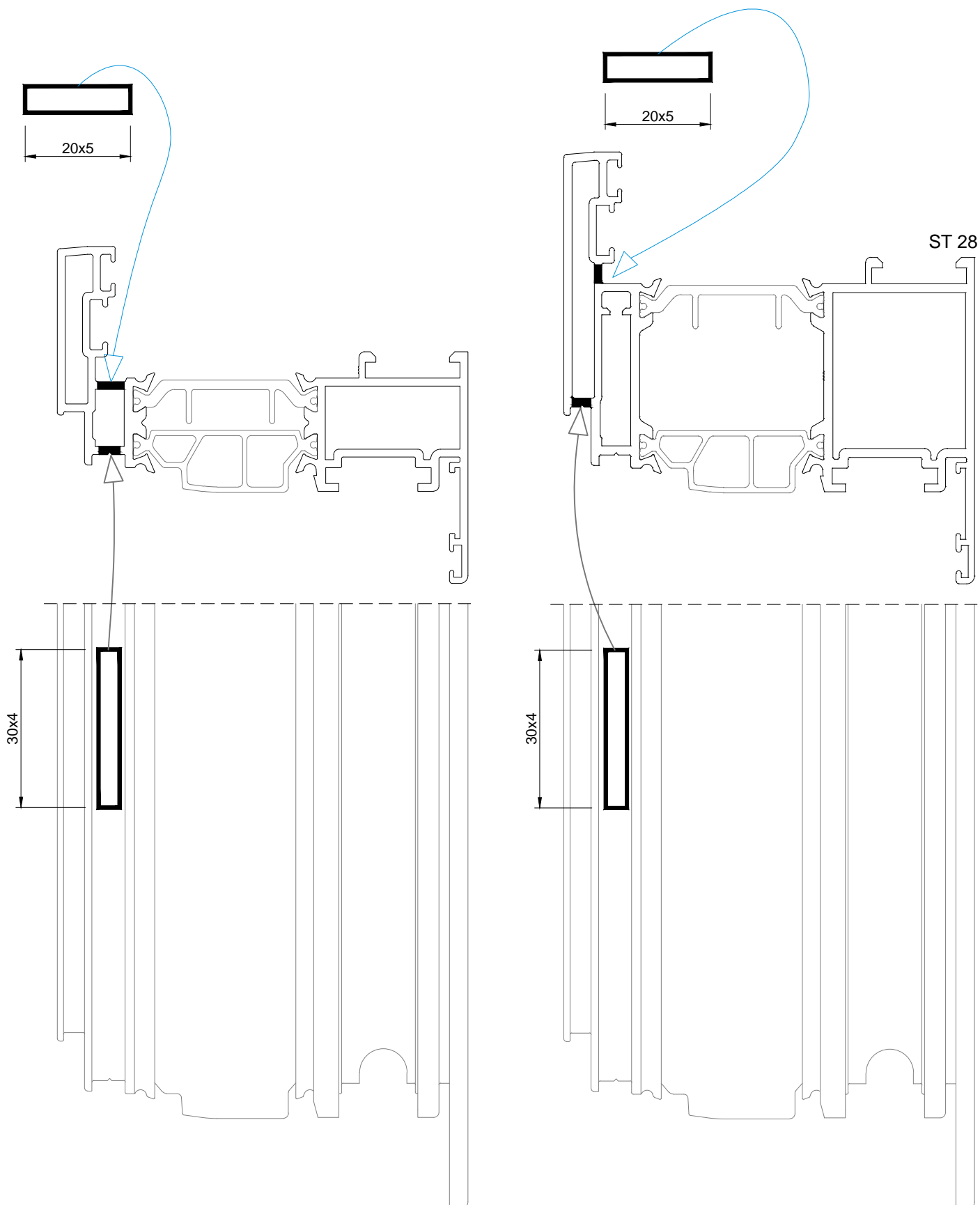
- PARA ESQUADROS  
FOR BLOCKING BRACKETS | POUR ÉQUERRES



## 2. MAQUINAÇÃO DOS PERFIS - Aros móveis

PROFILES MACHINING - Mobile frames | USINAGE DES PROFILÉS - Cadres ouvrants

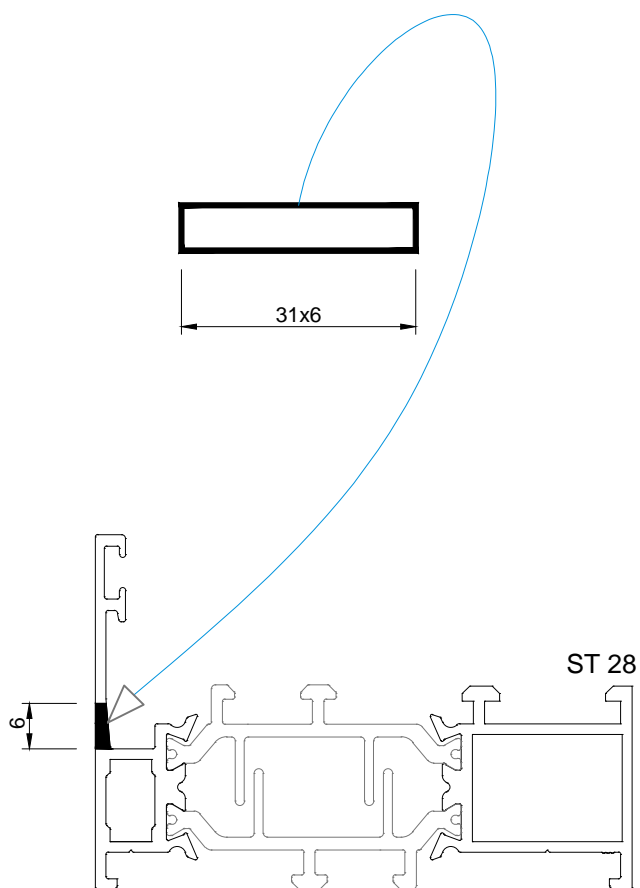
- PARA DRENAGEM E VENTILAÇÃO  
FOR DRAINAGE AND VENTILATION | POUR DRAINAGE ET VENTILATION



## 2. MAQUINAÇÃO DOS PERFIS - Aros fixos

PROFILES MACHINING - Fixed frames | USINAGE DES PROFILÉS - Cadres dormants

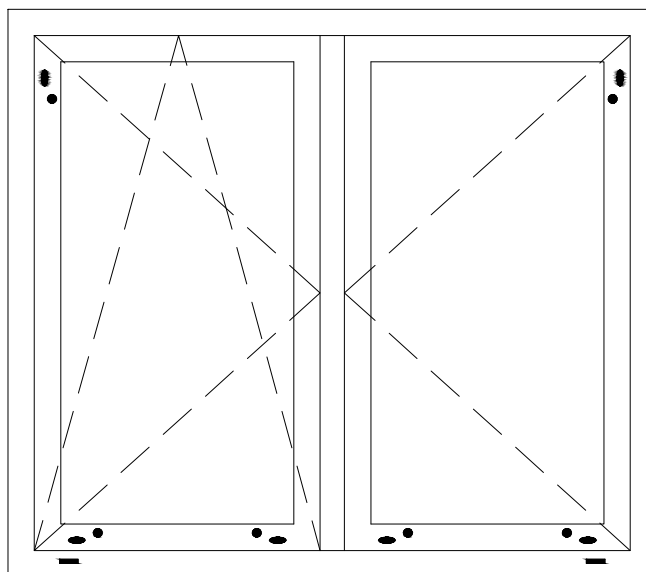
- PARA DRENAGEM E VENTILAÇÃO  
FOR DRAINAGE AND VENTILATION | POUR DRAINAGE ET VENTILATION



## 2. MAQUINAÇÃO DOS PERFIS - Aros móveis

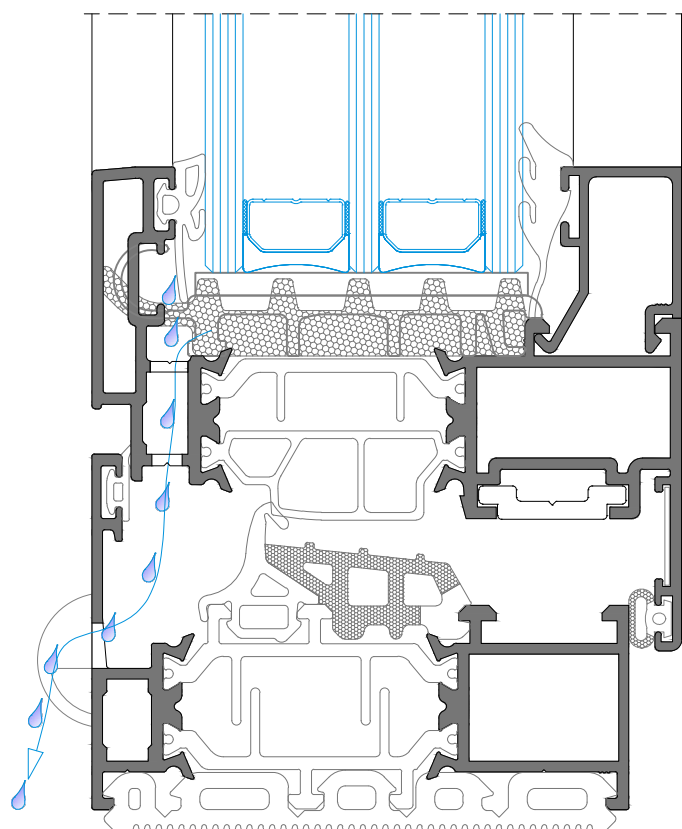
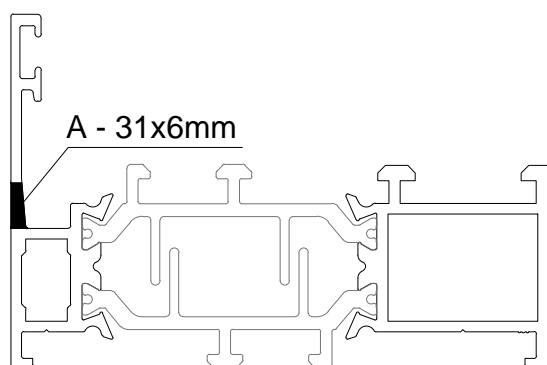
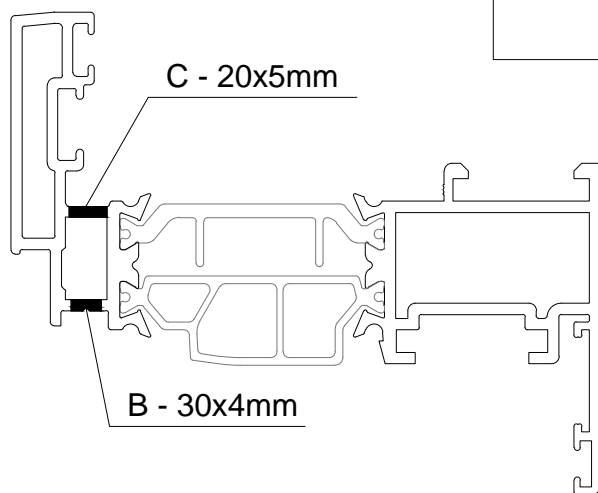
PROFILES MACHINING - Mobile frames | USINAGE DES PROFILÉS - Cadres ouvrants

- RASGOS PARA VENTILAÇÃO E DRENAGEM - Para janela 2 folhas oscilo-batente**  
**HOLES FOR DRAINAGE AND VENTILATION - For 2 leaves tilt and turn window**  
**FENTES POUR DRAINAGE ET VENTILATION - Pour fenêtre à 2 vantaux oscilo-battant**



### LEGENDA

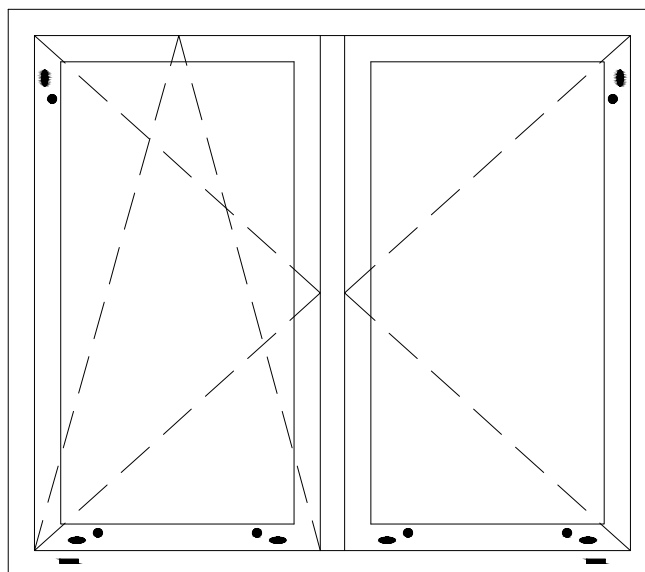
- A - RASGOS 31x6mm PARA DRENAGEM**  
 DRAINAGE HOLES | FENTE DE DRAINAGE
- B - RASGO 30x4mm PARA VENTILAÇÃO e DRENAGEM**  
 DRAINAGE and VENTILATION HOLES  
 FENTE DE DRAINAGE et VENTILATION
- C - RASGO 20x5mm PARA VENTILAÇÃO e DRENAGEM**  
 DRAINAGE and VENTILATION HOLES  
 FENTE DE DRAINAGE et VENTILATION



## 2. MAQUINAÇÃO DOS PERFIS - Aros móveis

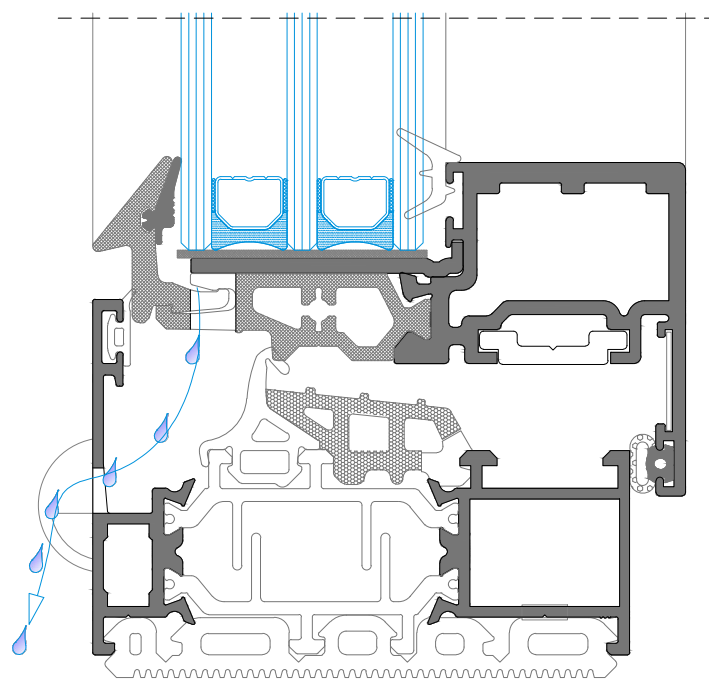
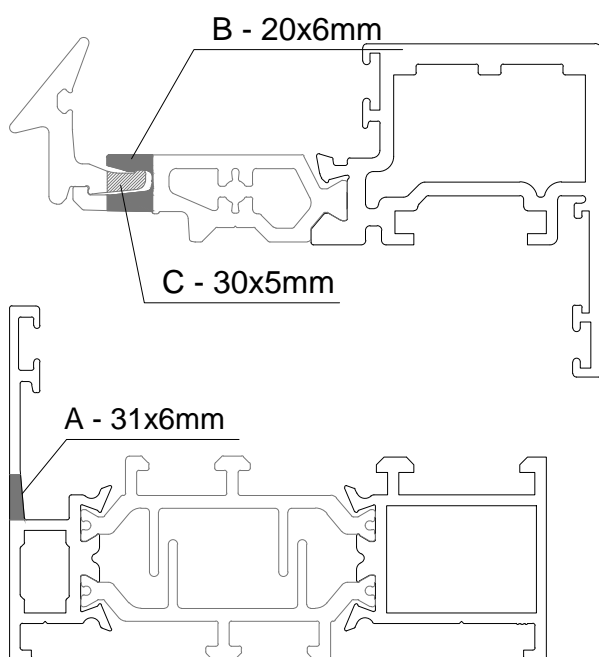
PROFILES MACHINING - Mobile frames | USINAGE DES PROFILÉS - Cadres ouvrants

- RASGOS PARA VENTILAÇÃO E DRENAGEM - Para janela 2 folhas oscilo-batente ST-Ocultas**  
**HOLES FOR DRAINAGE AND VENTILATION - For 2 leaves tilt and turn window - ST-Concealed**  
**FENTES POUR DRAINAGE ET VENTILATION - Pour fenêtre à 2 vantaux oscilo-battant - ST-Caché**



### LEGENDA

- A - RASGOS 31x6mm PARA DRENAGEM**  
 DRAINAGE HOLES | FENTE DE DRAINAGE
- B - RASGO 20x6mm PARA VENTILAÇÃO e DRENAGEM**  
 DRAINAGE and VENTILATION HOLES  
 FENTE DE DRAINAGE et VENTILATION
- C - RASGO 30x5mm PARA VENTILAÇÃO e DRENAGEM**  
 DRAINAGE and VENTILATION HOLES  
 FENTE DE DRAINAGE et VENTILATION

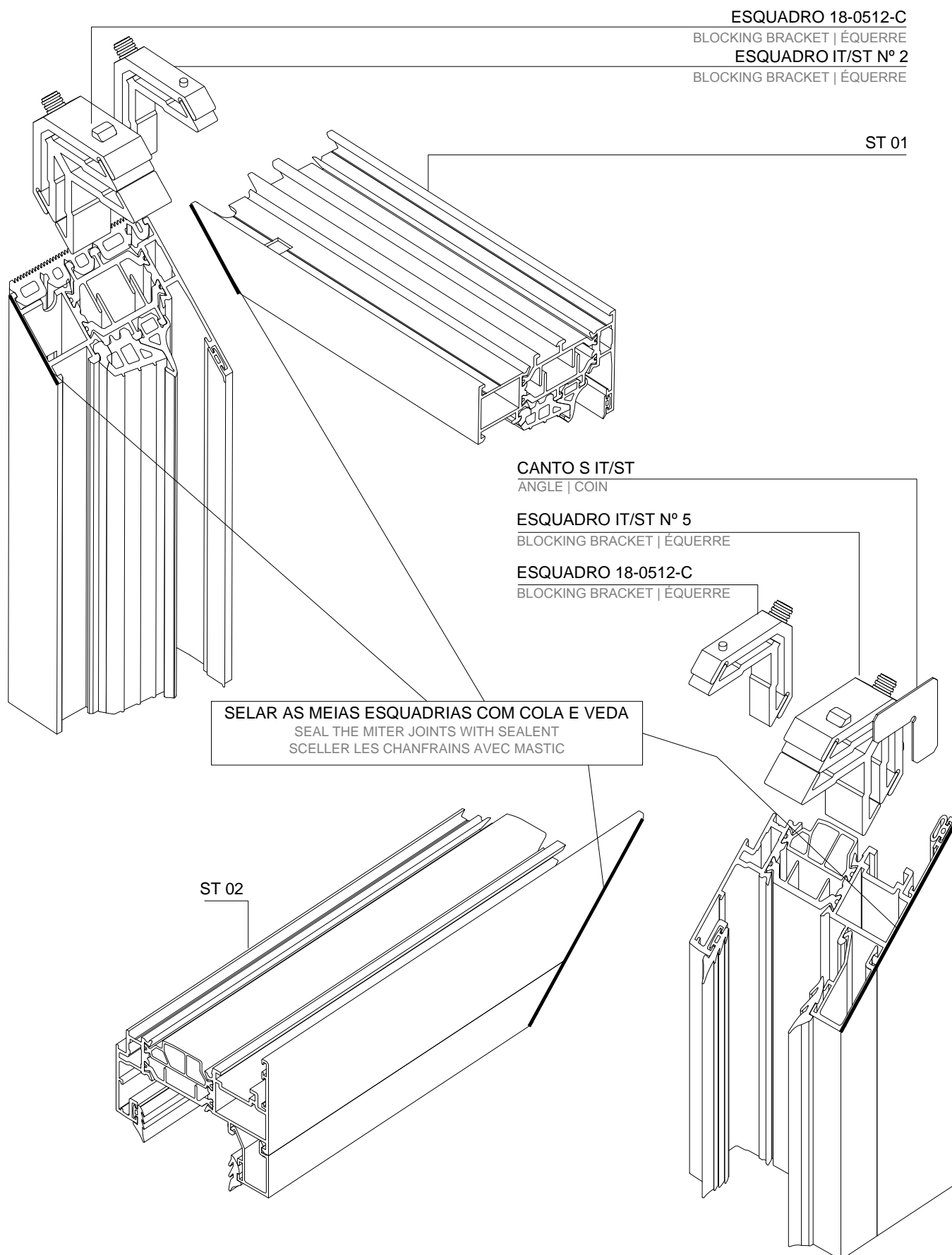


### 3. MONTAGEM DOS PERFIS

PROFILES ASSEMBLY | ASSEMBLAGE DES PROFILÉS

#### 3.1. MONTAGEM DOS ESQUADROS

BLOCKING BRACKETS ASSEMBLY | ASSEMBLAGE DES ÉQUERRES





### 3. MONTAGEM DOS PERFIS

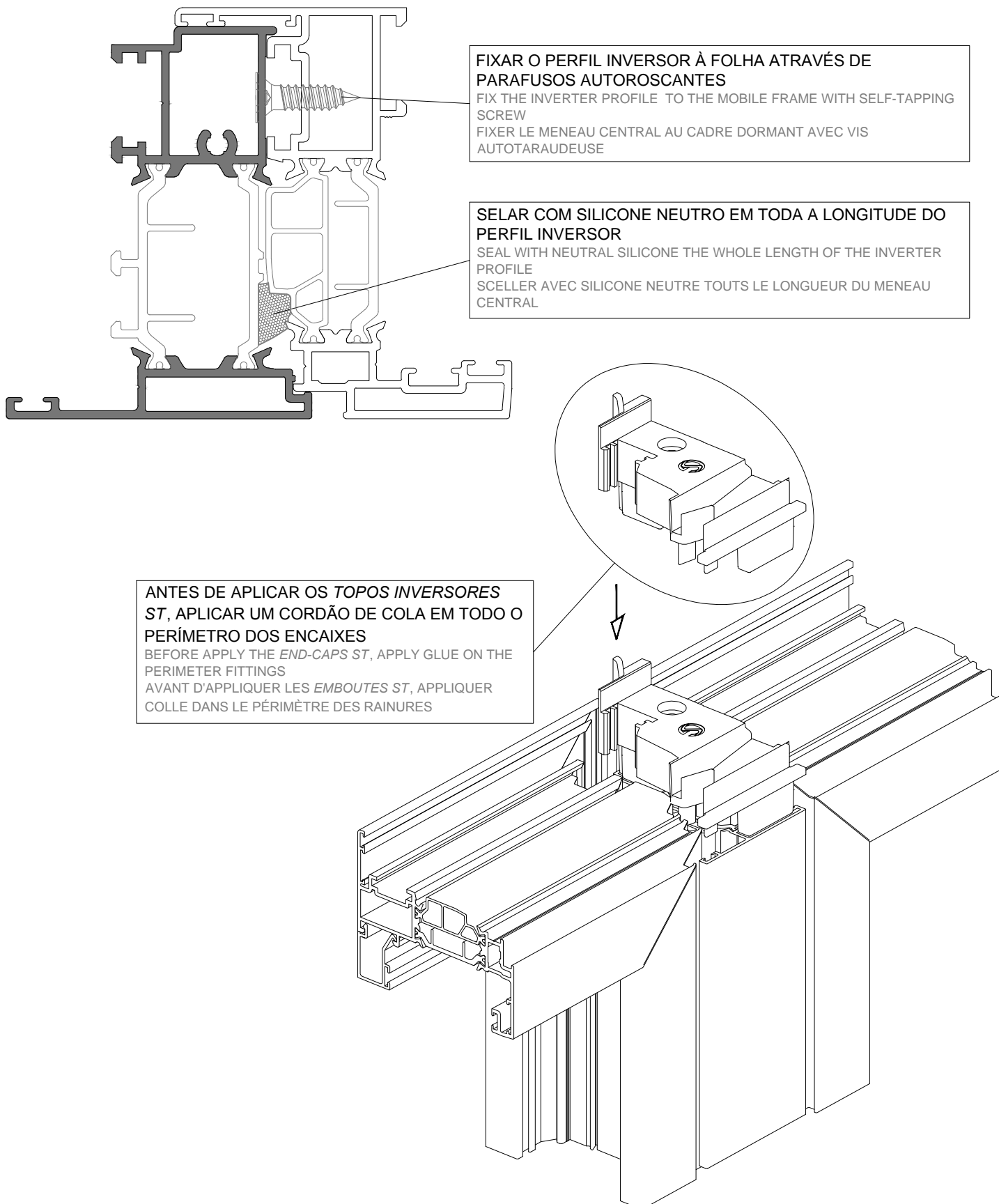
PROFILES ASSEMBLY | ASSEMBLAGE DES PROFILÉS

#### 3.2. MONTAGEM DO PERFIL INVERSOR

INVERTER PROFILE ASSEMBLY | ASSEMBLAGE DU MENEAU CENTRAL

#### 3.3. MONTAGEM DOS TOPOS INVERSORES

INVERTER END-CAP ASSEMBLY | ASSEMBLAGE DES EMBOUTS DES MENEAUX CENTRAUX



## 4. APLICAÇÃO DOS VEDANTES

SEALENTS ASSEMBLY | ASSEMBLAGE DES JOINTS

APLICAR O CANTO VULCANIZADO EM TODAS AS ESQUADRIAS

APPLY THE CORNER IN ALL MITERS

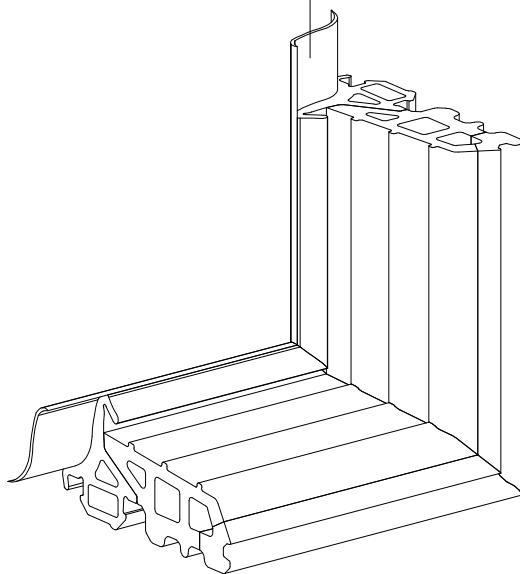
APPLIQUER LE COIN EN TOUTS LES CHANFRAINES

PARA UMA VEDAÇÃO PERFEITA, COLAR A JUNTA 2105N COM COLA *MAGMONT R-100* (OU EQUIVALENTE).

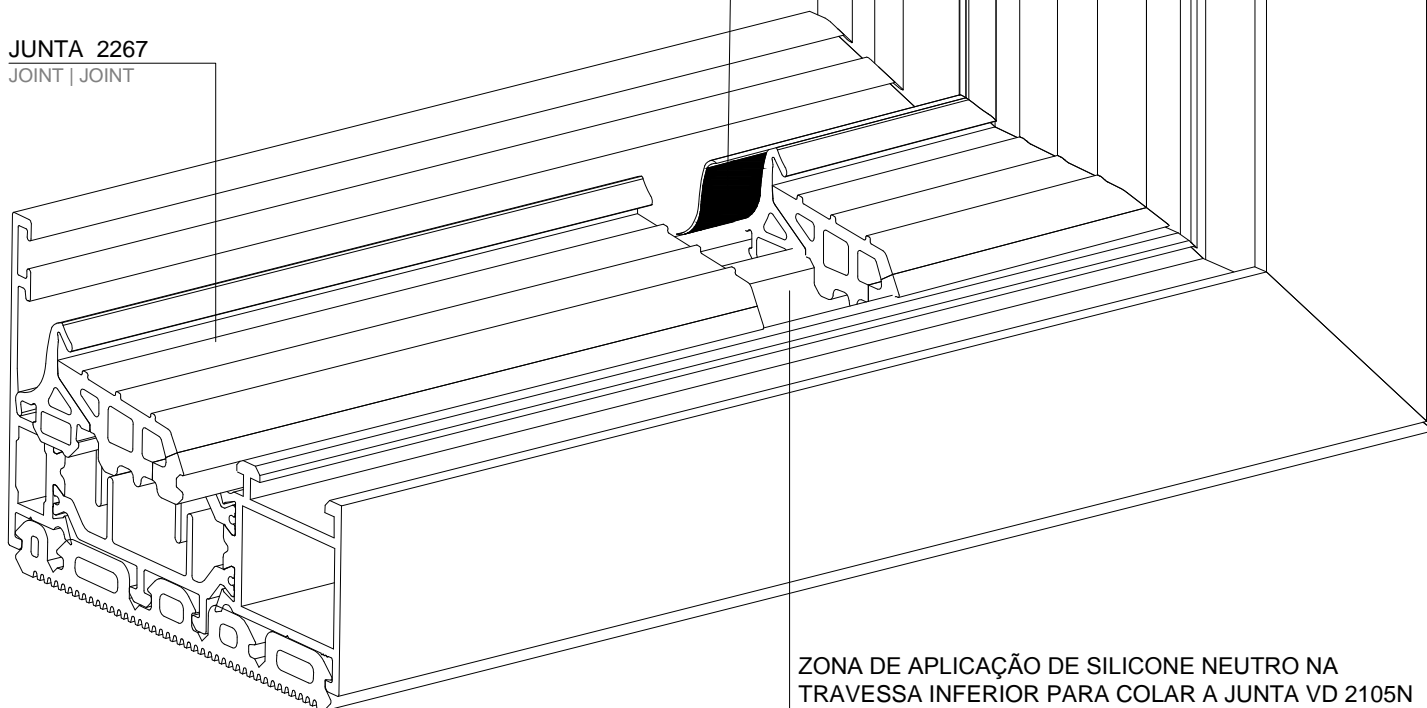
FOR A PERFECT SEAL, GLUE THE 2105N JOINT WITH *MAGMONT R-100* GLUE (OR SIMILAR)

POUR UNE SCELLAGE PARFAIT, COLLER LE JOINT 2105N AVEC COLLE *MAGMONT R-100* (OU SIMILAIRE)

CANTO 2267.1  
CORNER | COIN



JUNTA 2267  
JOINT | JOINT



ZONA DE APLICAÇÃO DE SILICONE NEUTRO NA TRAVESSA INFERIOR PARA COLAR A JUNTA VD 2105N

AREA OF APPLICATION OF NEUTRAL SILICONE ON THE INFERIOR TRANSOM TO GLUE THE JOINT VD 2105N

ZONE D'APPLICATION DE SILICONE NEUTRE DANS LE TRAVERSE INFÉRIEUR POUR COLLER LE JOINT VD 2105N

## 5. MONTAGEM DAS FERRAGENS

HARDWARE ASSEMBLY | ASSEMBLAGE DES FERRURES

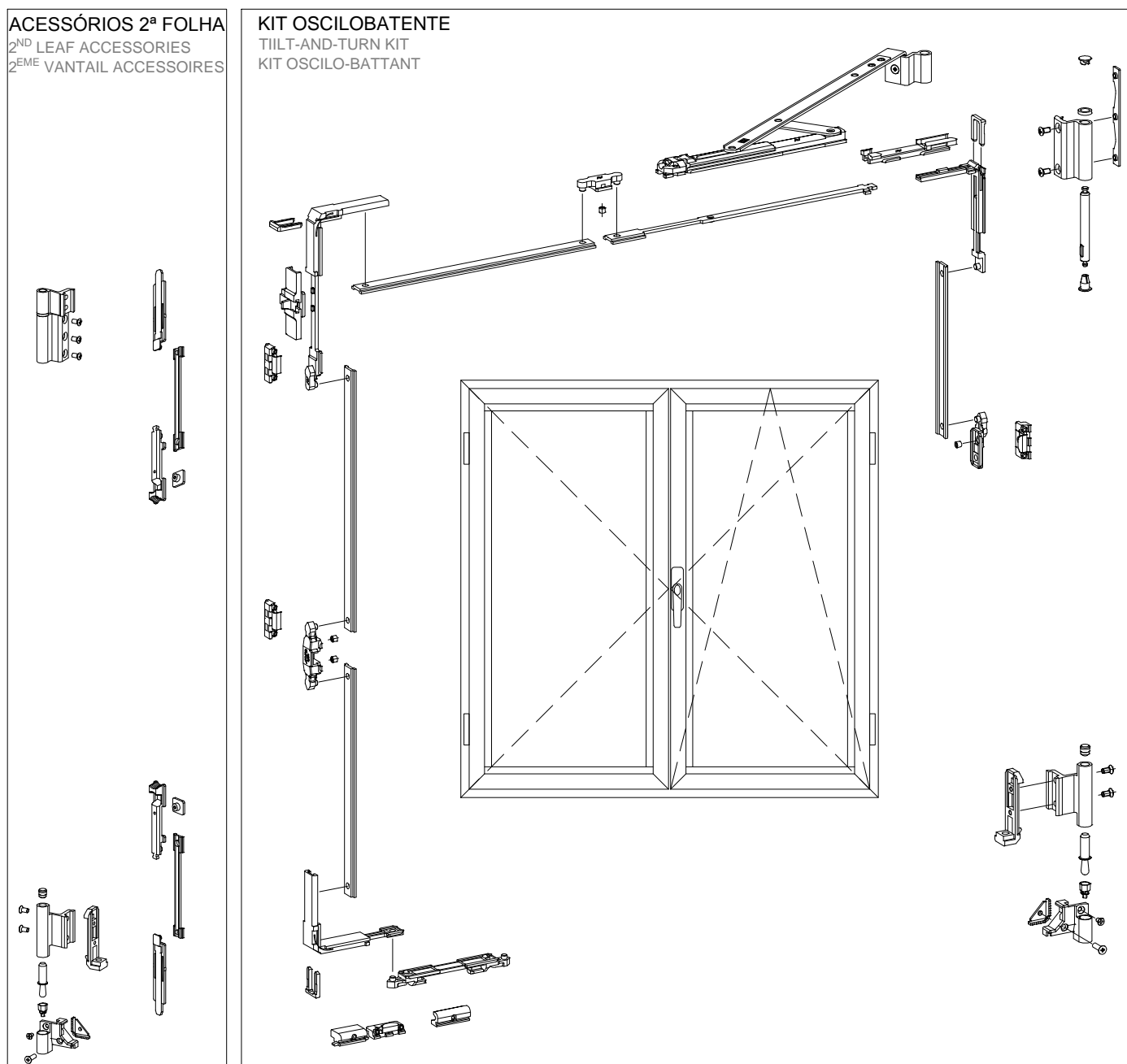
**NOTA | NOTE | NOTE:**

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

ALL HARDWARE MUST BE ASSEMBLED ACCORDING ITS MANUALS

TOUS LES FERRURES DOIVENT ETRE ASSEMBLES SELON LEURS MANUELS

EXEMPLO | EXAMPLE | EXEMPLE:



## 6. VERIFICAÇÃO DE TODAS AS FOLGAS

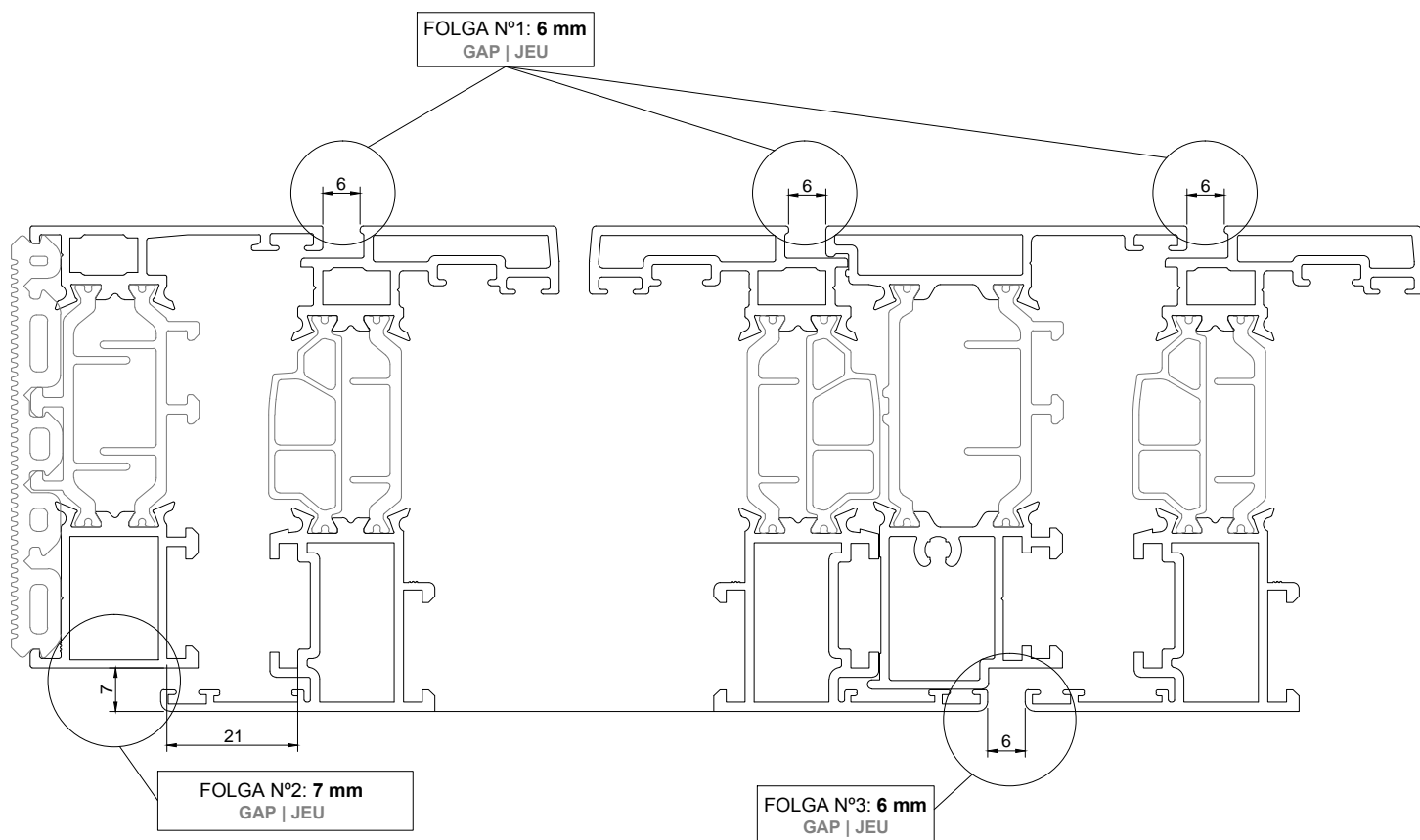
CHECK OF ALL GAPS | VERIFICATION DES TOUTES LES JEUX

**NOTA | NOTE | NOTE:**

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 (FOLGA Nº1;2;3) E, CASO SEJA NECESSÁRIO, REALIZAR OS DEVIDOS AJUSTES.

BY DEFAULT, THE HARWARE IS SUPPLIED WITH FINE-TUNING ON "0" POINT. HOWEVER, AFTER ITS ASSEMBLY IN THE FRAMES THE MOST IMPORTANT GAPS MUST BE VERIFY (GAP Nº1, 2, 3) AND, IF NECESSARY, MAKE THE DUE ADJUSTMENTS.

PAR DÉFAUT LES FERRURES SONT FOURNIES AVEC LES RÉGLAGES DANS LE POINT "0". CEPENDANT, APRÉS ASSEMBLAGE DANS LES CHÂSSIS, DOIVENT ÊTRE VÉRIFIER LES JEUX PLUS IMPORTANT (JEU Nº.1,2,3) ET, SI NÉCESSAIRE, RÉALISER LES AJUSTEMENTS.

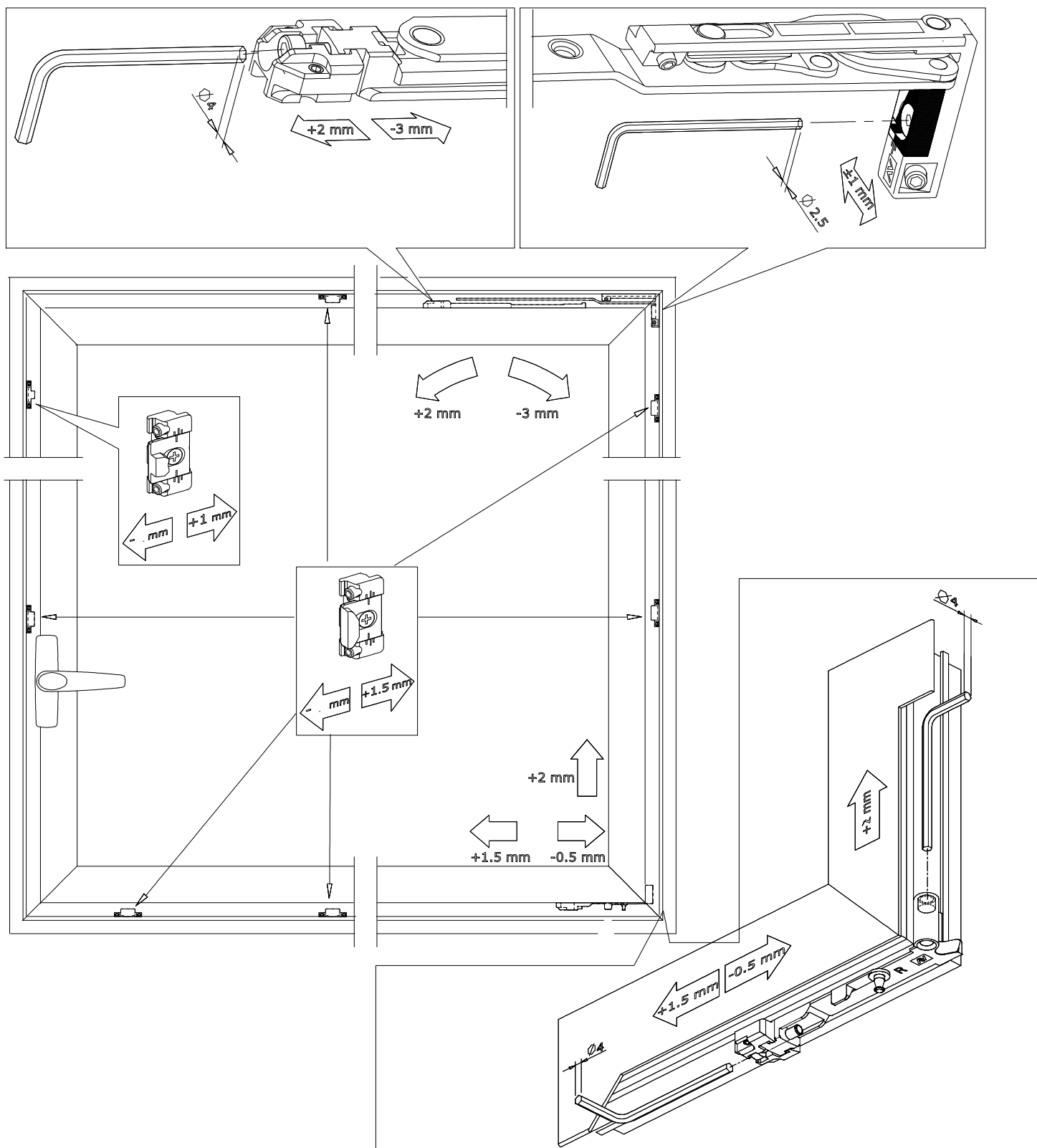


## 7. AFINAÇÃO DAS FERRAGENS

HARDWARE ASSEMBLY CALIBRATION | RÉGLAGE DES FERRURES ET ACCESSOIRES

### AFINAÇÃO DO KIT OSCILOBATENTE

TILT-AND-TURN KIT FINE-TUNING | RÉGLAGE DU KIT OSCIL-BATTANT



## 8. COLOCAÇÃO DOS VIDROS NO CAIXILHO

GLAZING PLACEMENT IN FRAME | MISE DES VERRÉS DANS LE CHÂSSIS

### 8.1. Posicionamento dos calços

Shims positioning | Positionnement des cale

### 8.2. Aplicação dos vedantes dos vidros

Application of glazing sealants | Application des étanchéités des verre

#### C1: CALÇO DE SUPORTE

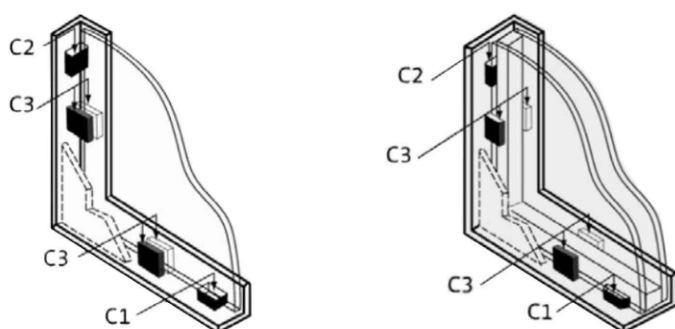
SUPPORT SHIM | CALE D'ASSISE

#### C2: CALÇO DE DISTÂNCIAMENTO

HANGER SHIM | CALE PÉRIPHÉRIQUE

#### C3: CALÇO DE ESPAÇAMENTO

SPACING SHIM | CALE LATÉRAL



#### **Dimensões dos calços | Shim dimensions | Dimensions des cales:** **Calços de suporte ou de apoio (C1) | Support shim | Cale d'assise:**

Servem para transmitir o peso do vidro para o caixilho. A largura deverá ser a necessária para que a totalidade da espessura do vidro fique assente sobre os calços.

Used to transmit the weight of the glass to the frame. The width should have at least the same glass thickness so the glass rests on the shims.

Permettent de transmettre le poids du vitrage au châssis. Telle que la totalité de l'épaisseur du vitrage repose sur les cales.

Consultar | Consult | Consulté: ITE 9 do LNEC

#### **Calços de distanciamento ou periféricos (C2) | Hanger shim | Cale périphérique:**

São colocados no fundo da gola para evitar o deslizamento do vidro e assegurar a esquadria do caixilho.

O comprimento dos calços não deve ser inferior a 50 mm. A espessura dos calços de distanciamento é no mínimo igual ao diferencial periférico mínimo entre o vidro e o fundo da gola.

They are placed in the bottom of frame to prevent the glass from sliding and ensure squareness of the frame.

The length of the shims should not be less than 50 mm. The hanger shim thickness is, at least, equal to the minimum perimeter difference between glass and the bottom of the frame.

Elles sont placées dans le flanc de feuillure et permettent de positionner et de maintenir correctement le vitrage par rapport au fond de feuillure et d'assurer l'équerrage du châssis.

La longueur des cales ne doit pas être inférieure à 50 mm.

L'épaisseur des cales périphériques est au moins égale aux jeux minimaux latéraux à réserver entre vitrage et flanc de feuillure.

#### **Calços de espaçamento ou laterais (C3) | Spacing shim | Cale latéral:**

Servem para assegurar uma espessura regular dos mastiques servindo de estanqueidade. Não são necessários no caso de uso de vedantes para vidro. Nos casos em que se utilizam calços de distanciamento em vez de perfis em contínuo, os calços devem satisfazer as seguintes condições:

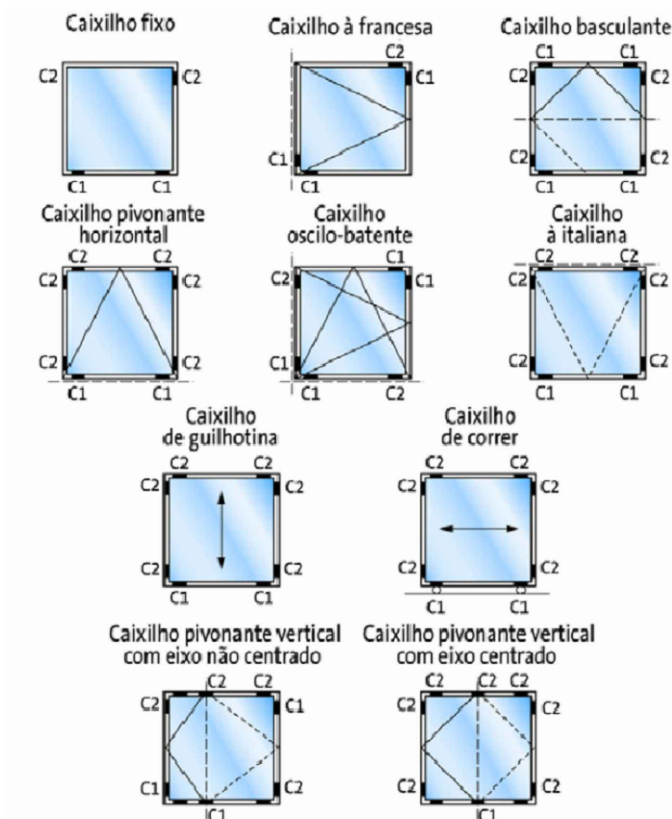
- comprimento mínimo de 30 mm;
- uma altura que não reduza a dos cordões de estanqueidade do vidro; a altura do contacto com o vidro deve ter no mínimo 5 mm;
- a espessura dos calços de espaçamento deve ser ligeiramente inferior ao diferencial entre o vidro e o flanco da gola.

They are used to assure a regular thickness of the mastiques serving of watertightness. They are not required in case of use of wedge gaskets. In cases when distancing shims are used instead of continuous profiles, the spacing shims must satisfy the following conditions:

- Minimum length of 30 mm
- A height which does not reduce the sealing threads of the glass; the height of contact with the glass must be at least 5 mm
- The thickness of the spacing shims should be slightly less than the differential between the glass and the inner frame's edge.

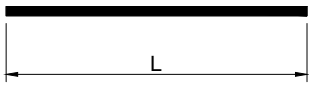
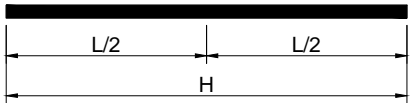
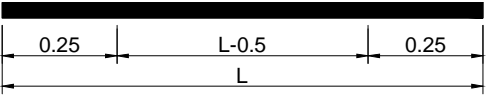
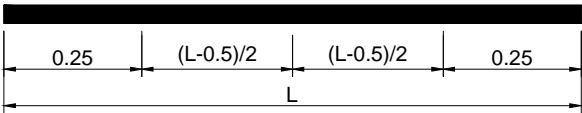
Ils sont utilisés pour assurer une épaisseur régulière des mastiques servant d'étanchéité à l'eau. Ils ne sont pas nécessaires en cas d'utilisation d'un joint d'étanchéité. Dans les cas où des cales latérales sont utilisées à la place de profilés continus, les cales doivent satisfaire aux conditions suivantes:

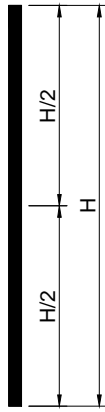
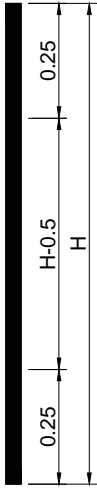
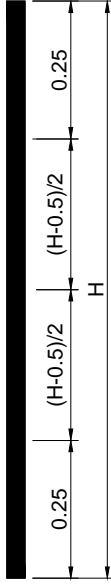
- Longueur minimale de 30 mm
- Une hauteur qui ne réduit pas les fils d'étanchéité du verre; la hauteur de contact avec le verre doit être d'au moins 5 mm
- L'épaisseur des cales latérales doit être légèrement inférieure à la différence entre le verre et le bord intérieur du châssis.



## 9. FIXAÇÃO DOS CAIXILHOS EM OBRA

FRAMES FIXING | FIXATION DES CHÂSSIS

<p><math>L \leq 0.90 \text{ m}</math></p> 
<p>Nenhuma Fixação   No fixations   Pas des fixations</p>
<p><math>0.90 &lt; L \leq 1.60 \text{ m}</math></p> 
<p>1 Fixação   1 fixation   1 fixation</p>
<p><math>1.60 &lt; L \leq 2.40 \text{ m}</math></p> 
<p>2 Fixações   2 fixations   2 fixations</p>
<p><math>2.40 &lt; L \leq 3.20 \text{ m}</math></p> 
<p>3 Fixações   3 fixations   3 fixations</p>
<p><math>L &gt; 3.20 \text{ m}</math></p>
<p>1 Fixação a mais por cada trecho suplementar de 0.80 m 1 extra fixation for each additional section of 0.80 m 1 fixation plus pour chaque section supplémentaire de 0,80 m</p>

<p><math>H \leq 0.65 \text{ m}</math></p> 	<p><math>0.65 \text{ m} &lt; H \leq 1.45 \text{ m}</math></p> 	<p><math>1.45 \text{ m} &lt; H \leq 2.45 \text{ m}</math></p> 
<p>1 Fixação 1 fixation 1 fixation</p>	<p>2 Fixações 2 fixations 2 fixations</p>	<p>3 Fixações 2 fixations 2 fixations</p>

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