

# JT

sistema de correr com corte térmico  
sliding system with thermal break



Edifício Varandas do Rio | Águeda | Arq.ª Sofia Soares

## CATÁLOGO TÉCNICO

TECHNICAL CATALOGUE



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

sistema de correr com corte térmico  
sliding system with thermal break

O sistema de correr JT é um sistema versátil, robusto e seguro, que permite a aplicação em vãos de maiores dimensões, compatível com tipologias de 1 a 6 folhas, em sistemas de 2 ou 3 rails, soluções de canto e de embutir. De linhas simples e menores vistas de alumínio, este sistema perimetral com corte térmico vai ao encontro das atuais tendências arquitetônicas.

Este sistema está também preparado para trabalhar em conjunto com o sistema de batente IT e redes mosquiteiras.

The JT system is a versatile, robust and secure system, which allows the appliance of larger frames, compatible with 1 to 6 leaves typologies, in systems of 2 or 3 rails, corner solutions and hidden sliding.

With simple lines and smaller aluminum views, this perimeter system with thermal break meets the actual architectural trends.

This system is also prepared to work with the IT opening system and mosquito nets.

APRESENTAÇÃO  
PRESENTATION

Reta | Straight

DIMENSÕES  
DIMENSIONS

Aro fixo | Fixed frame: 2Rail: 75mm | 96mm | 108mm | 117mm | 152mm  
3Rail: 152mm | 164mm  
Aro móvel | Mobile frame: 40mm | 44mm

ENCHIMENTO  
FILLING

De 28 a 32mm | From 28 to 32mm

CORTES  
CUTS

45° | 90°

VEDAÇÃO  
INSULATION

Juntas em EPDM | EPDM joints  
Pelúcias STOP-FIN | STOP-FIN brushes

POLIAMIDA  
POLYAMIDE

14mm | 24mm | 30mm | 36mm | 38mm | 40mm

UNIÕES  
UNIONS

Esquadros de bloqueio | corner cleats: 9,5mm | 20,5mm

ABERTURAS  
OPENINGS

2Rail: 1, 2, 3 ou | or 4 folhas | leaves  
3Rail: 3 ou | or 6 folhas | leaves

PESO MÁXIMO  
MAXIMUM WEIGHT

180 Kg/folha | leaf

ÁREA MÁXIMA  
MAXIMUM AREA

5,00 m²/folha | leaf

LARGURA MÁXIMA  
MAXIMUM LENGTH

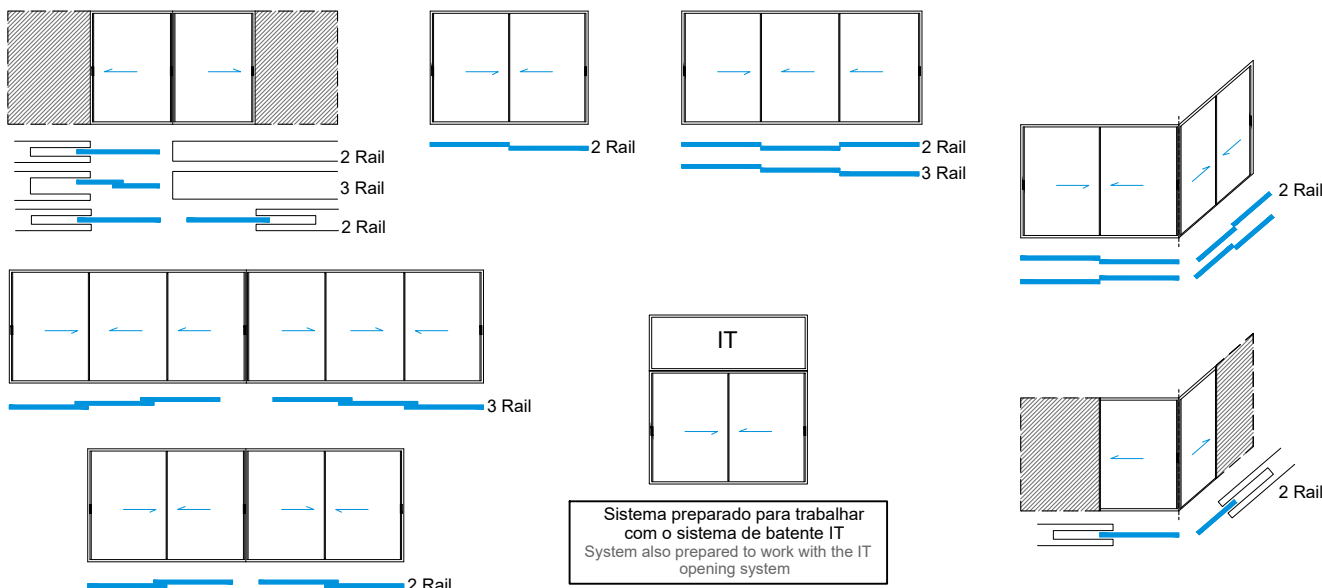
2,00 m/folha | leaf

ALTURA MÁXIMA  
MAXIMUM HEIGHT

2,50 m/folha | leaf

ACABAMENTOS  
FINISHES

Lacados | Anodizados | Bicolores  
Powder coated | Anodised | Bicolour



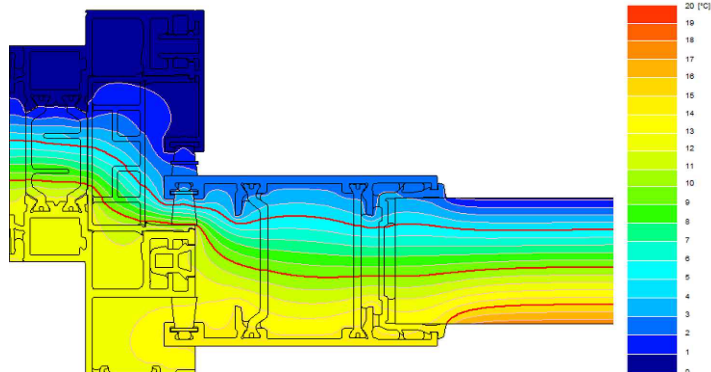
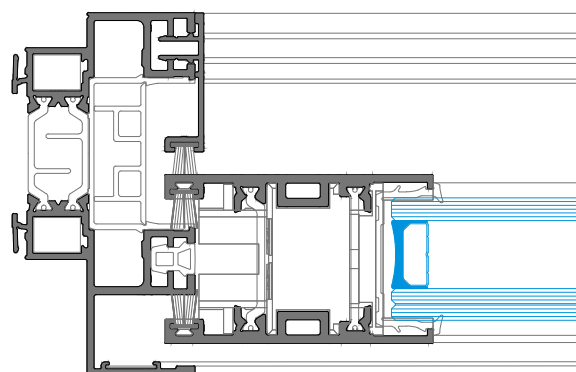
Todas as medidas são consideradas em mm, salvo as devidamente identificadas  
All measurements are considered in mm, except those duly identified



## DESEMPENHO DO SISTEMA

system performance

|                                                                                                                                  |                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Marcação CE</b><br>CE MARKING<br>NP EN 14351-1                                                                                | <b>Janela 2 folhas de correr com 2,39m x 2,29m (LxH)</b><br><b>Vidro: 10 + 12 + 10</b><br>2 leaves window 2,39m x 2,29m (LxH)<br>Glass: 10 + 12 + 10                                                                                                                                                          |
| Permeabilidade ao AR<br>AIR Permeability<br>EN 12 207:2000                                                                       | 3                                                                                                                                                                                                                                                                                                             |
| Estanquidade à ÁGUA<br>WATER Tightness<br>EN 12 208:2000                                                                         | 7A                                                                                                                                                                                                                                                                                                            |
| Resistência ao VENTO<br>WIND Resistance<br>EN 12 210:2000                                                                        | C5                                                                                                                                                                                                                                                                                                            |
| Coef. Transm. TÉRMICA<br>THERMAL Transmittance<br>UNE-ISO 13947:2005                                                             | <b>Uw = 1,35 W/m²K</b><br>Vidro triplo com   triple glazing with Ug = 0,80 W/m²K<br>Janela de 2 folhas com   2 leaves window with 2,4m x 2,3m (LxH)<br><br><b>Uw = 1,44 W/m²K</b><br>Vidro duplo com   double glazing with Ug = 1,00 W/m²K<br>Janela de 2 folhas com   2 leaves window with 3,1m x 2,5m (LxH) |
| Isolamento ACÚSTICO*<br>ACOUSTIC Insulation<br>NP EN 14351-1:2008 - Anexo B<br>* Resultados do Ensaio Acústico refs. ACL 292/20. | <b>Rw = 37 dB</b><br>Rw (IGU) = 42 dB, área   area ≤ 2,70m²                                                                                                                                                                                                                                                   |

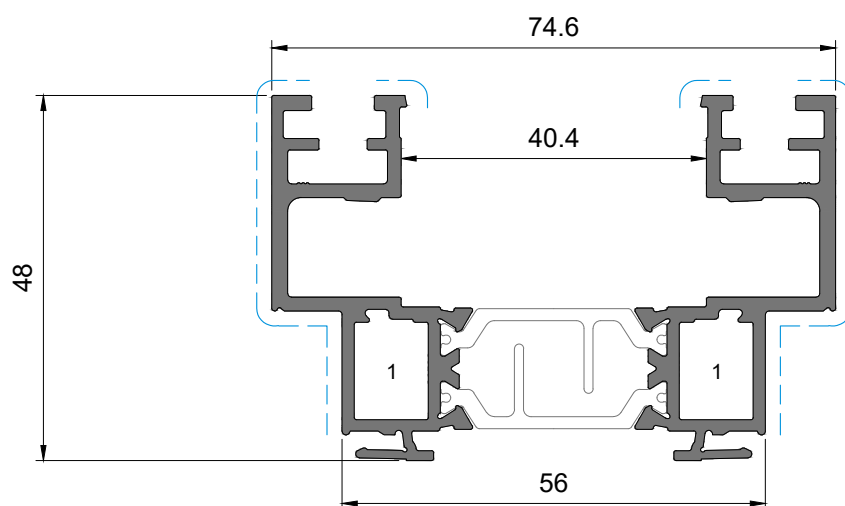


Escala | Scale: 1/2

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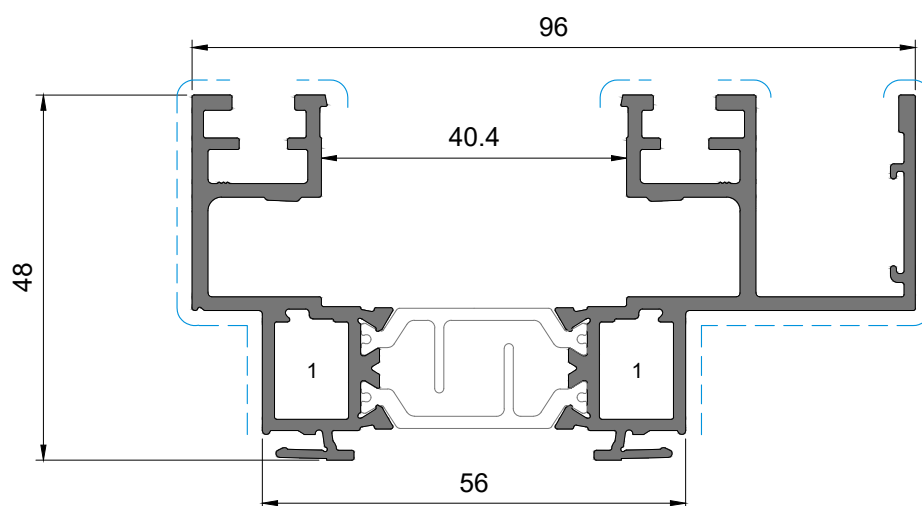
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**LISTAGEM DE PERFIS**  
PROFILES LIST



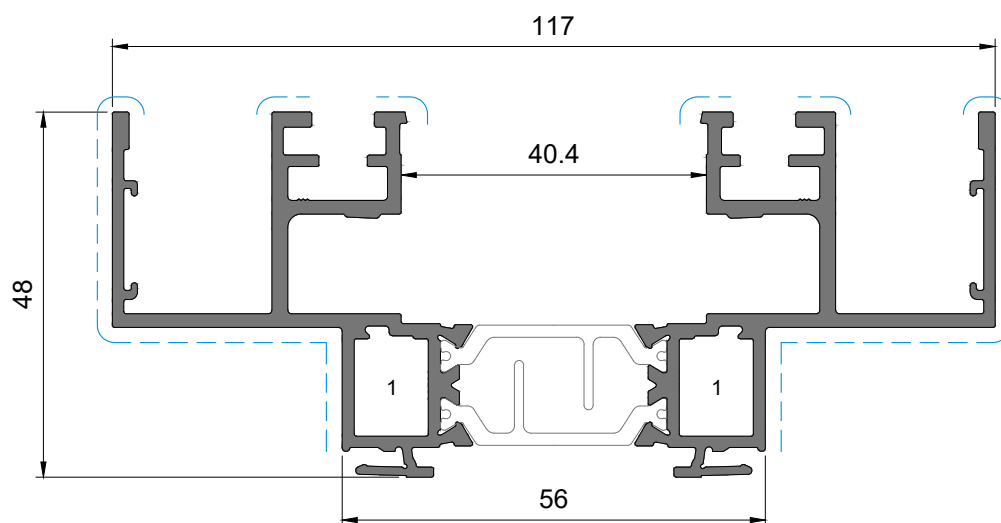
**JT 01**

(aro fixo FR 2rail | 2rail FR fixed frame)



**JT 02**

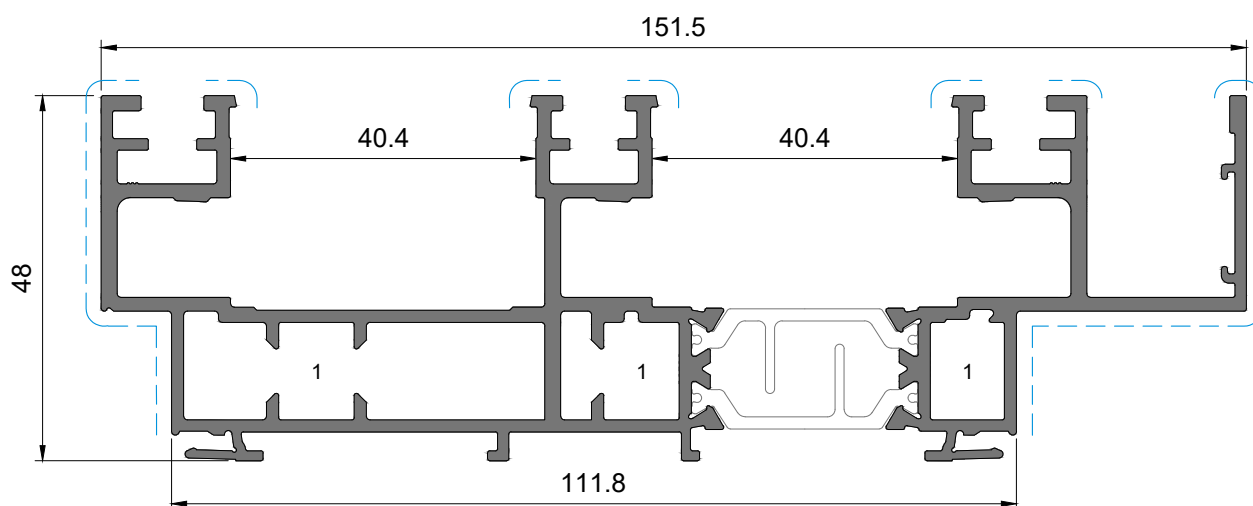
(aro fixo FR 2rail | 2rail FR fixed frame)



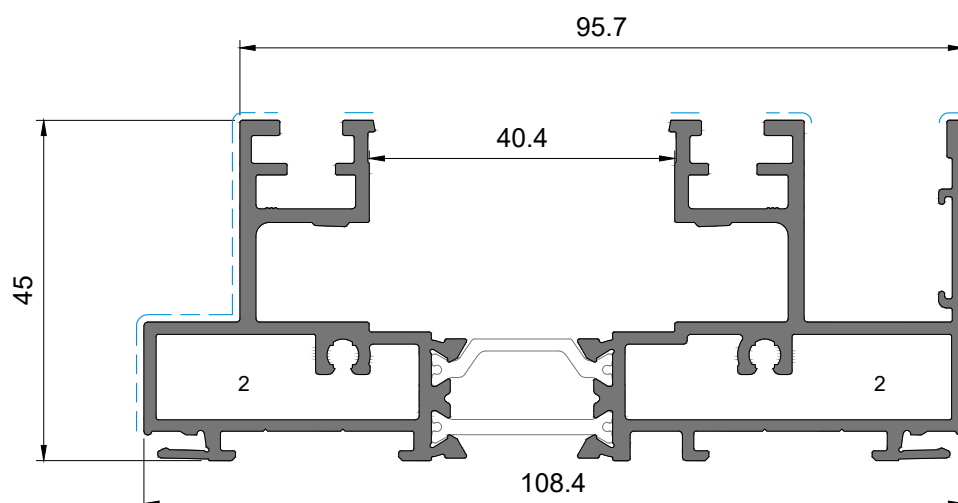
**JT 04**

(aro fixo FR 2rail | 2rail FR fixed frame)

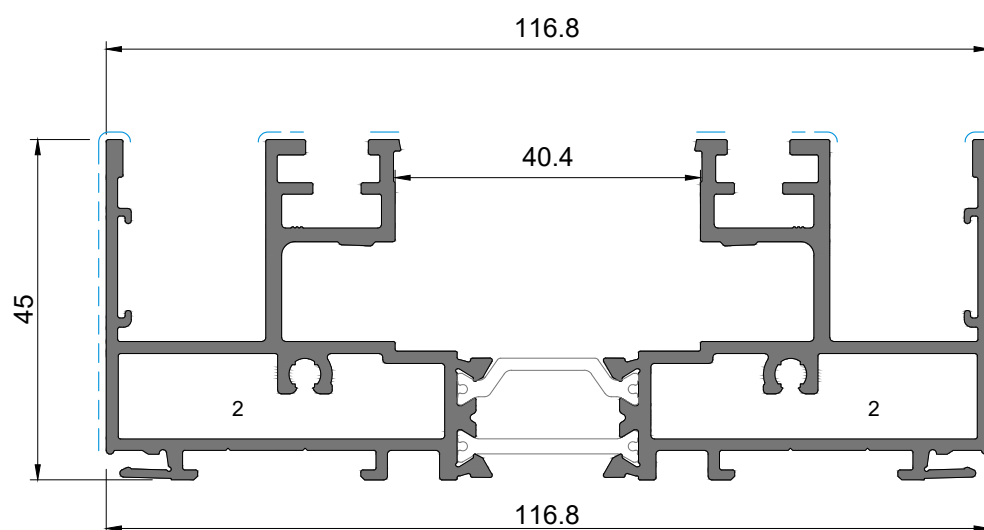




**JT 03**  
(aro fixo FR 3rail | 3rail FR fixed frame)



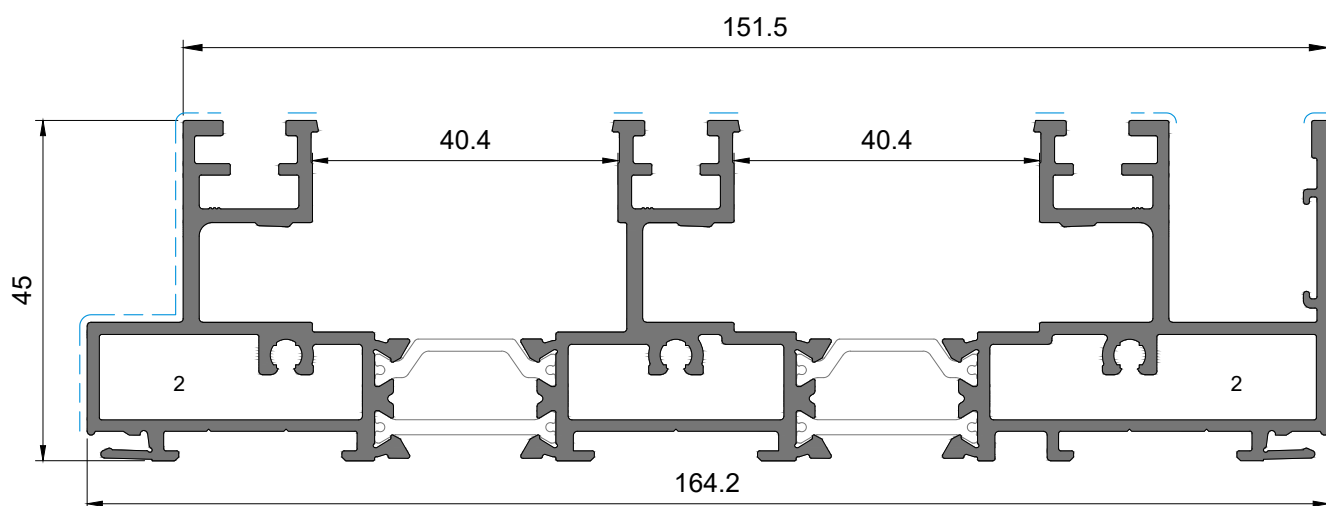
**JT 12**  
(aro fixo PT/90° 2rail | 2rail PT 90° fixed frame)



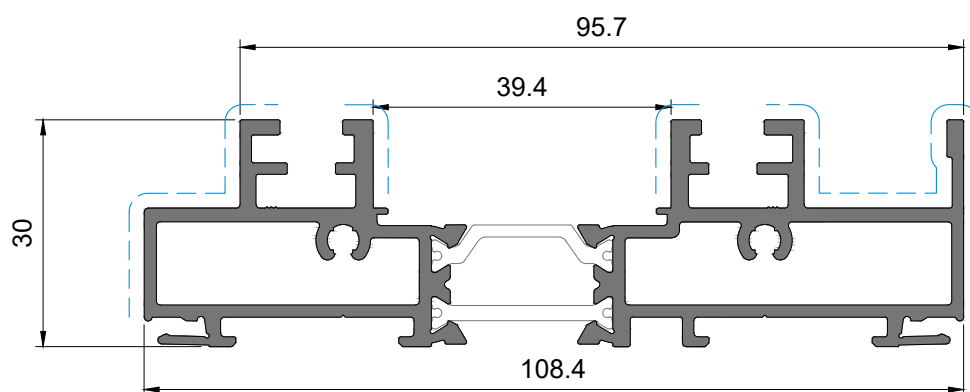
**JT 14**  
(aro fixo PT 2rail | 2rail PT fixed frame)

1 - ESQ. | CORNER CLEAT JT 12x9.5

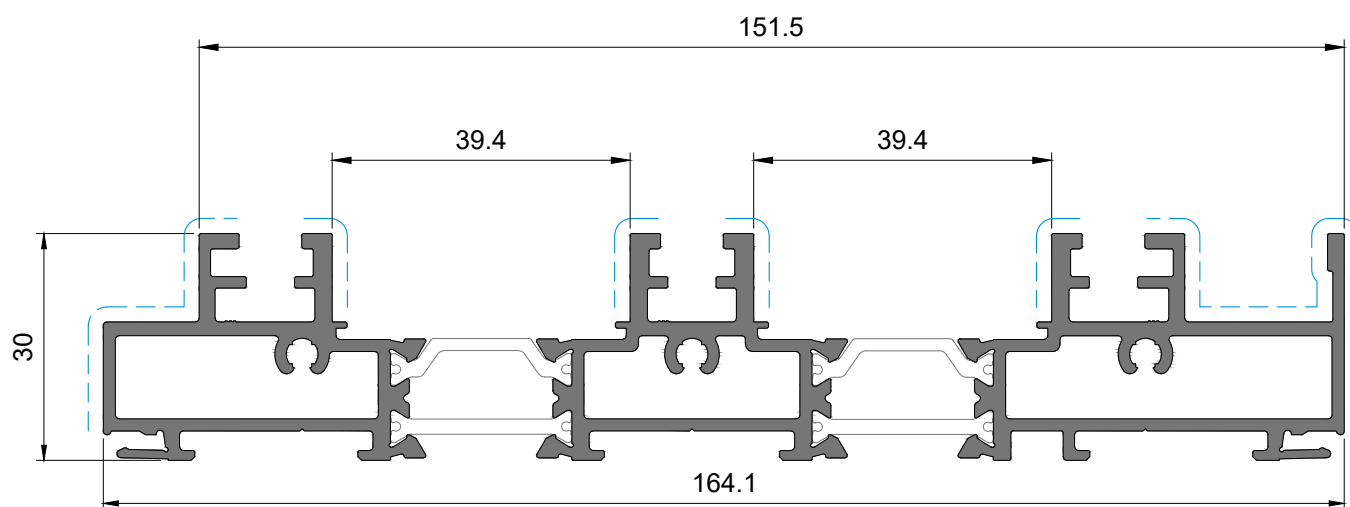
2 - ESQ. | CORNER CLEAT JT 11x20.5



**JT 13**  
(aro fixo PT/90° 3rail | 3rail PT 90° fixed frame)



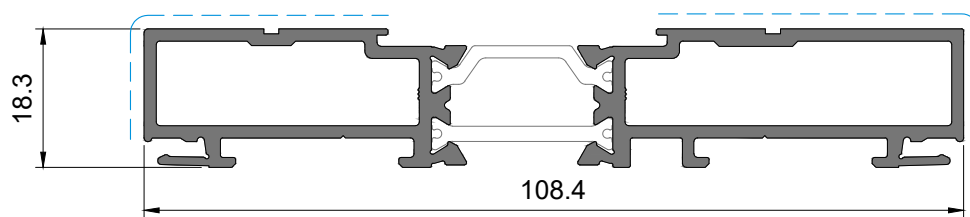
**JT 22**  
(soleira 30mm 90° 2rail | 2rail 90° sill)



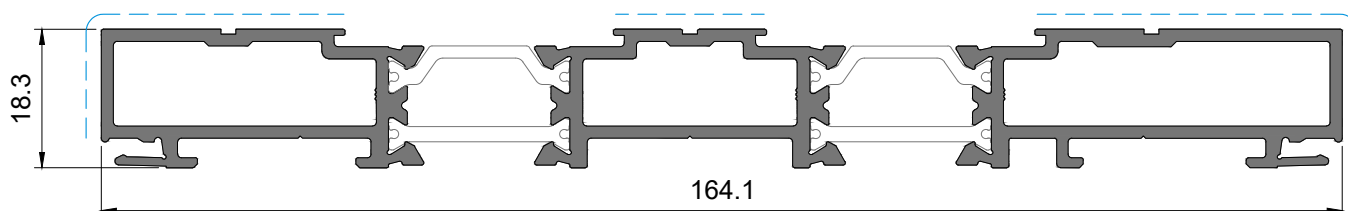
**JT 23**  
(soleira 30mm 90° 3rail | 3rail 90° sill)

1 - ESQ. | CORNER CLEAT JT 12x9.5

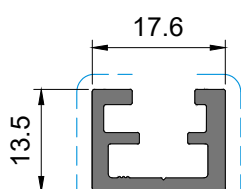
2 - ESQ. | CORNER CLEAT JT 11x20.5



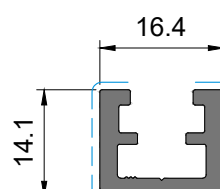
**JT 18**  
(ombreira 90° 2rail | 2rail 90° jamb)



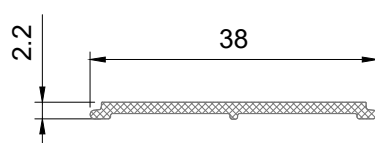
**JT 28**  
(ombreira 90° 3rail | 3rail 90° jamb)



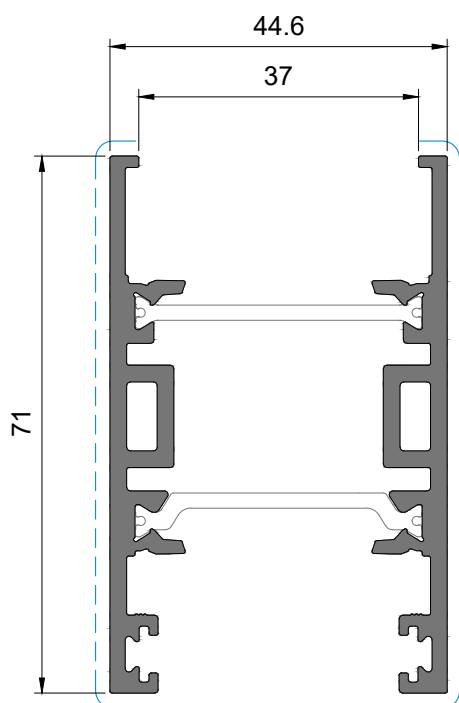
**JT 78**  
(guia da ombreira 90° - rails interior e exterior)  
(90° jamb guide profile - inside and outside rails)



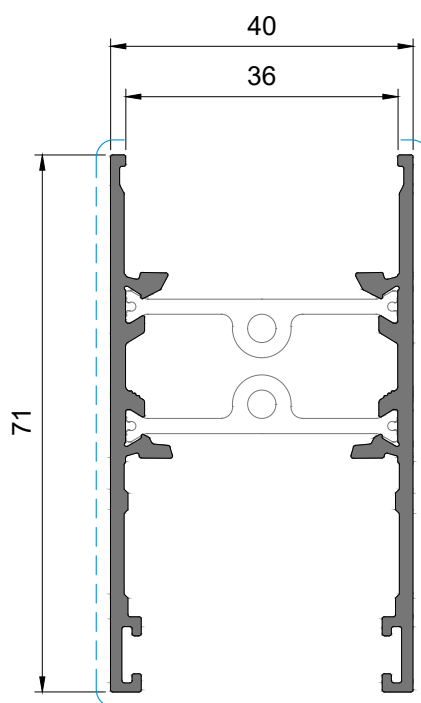
**JT 79**  
(guia da ombreira 90° - rail central)  
(90° jamb guide profile - central rail)



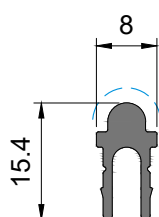
**JE 96**  
(perfil poliamida | polyamide profile)



**JT 66**  
(perfil lateral | lateral profile)

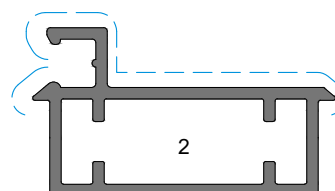


**JT 63**  
(travessa superior/inferior | upper/lower transom)

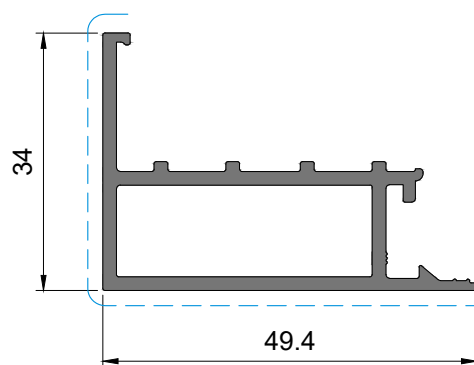


Acabamentos | Finishings:  
Anodizado natural ou preto  
Natural or black anodised

**JT 87**  
(guia | rail)

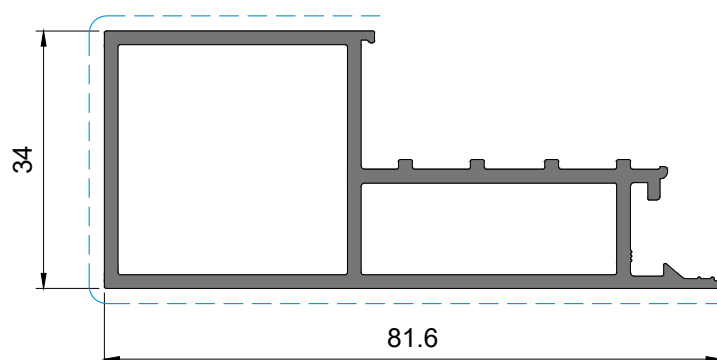


**JT 47**  
(perfil mosquiteira | flynet profile)



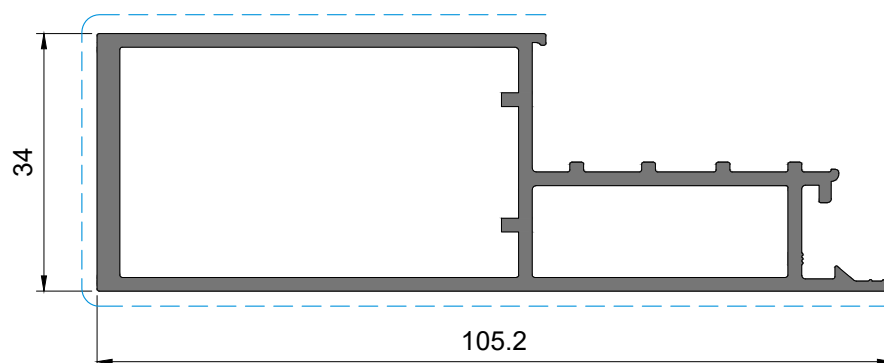
**JT 51**

(perfil central | central profile)



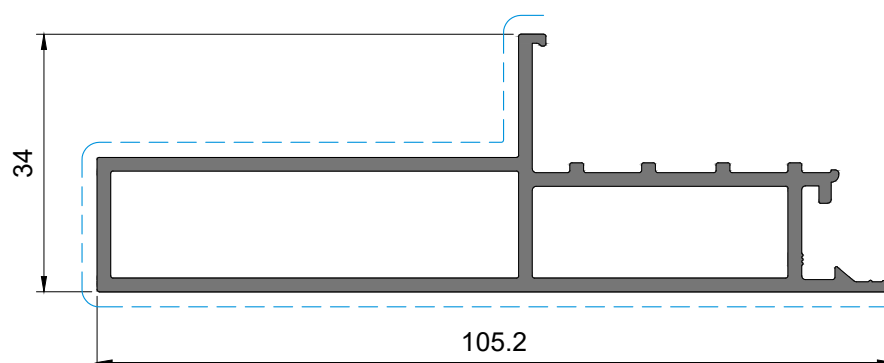
**JT 52**

(perfil central reforçado | reinforced central profile)



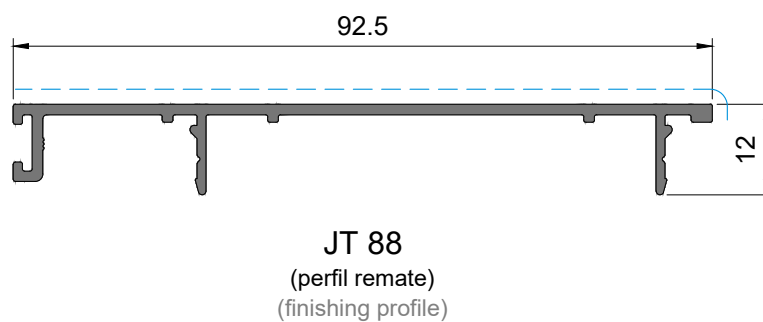
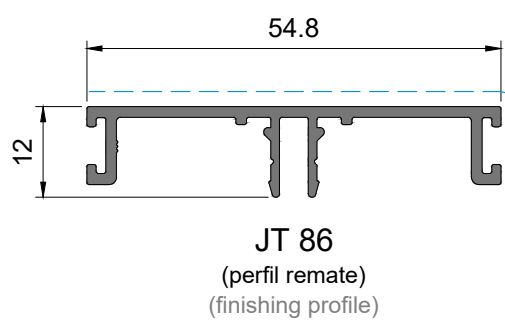
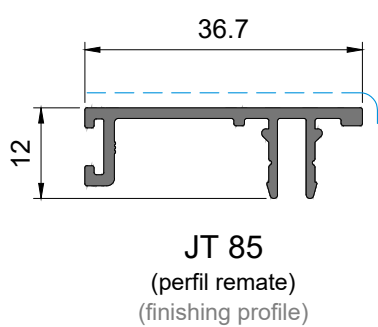
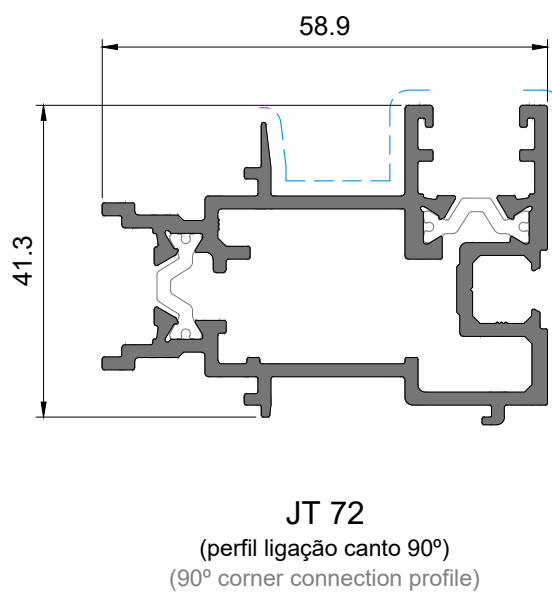
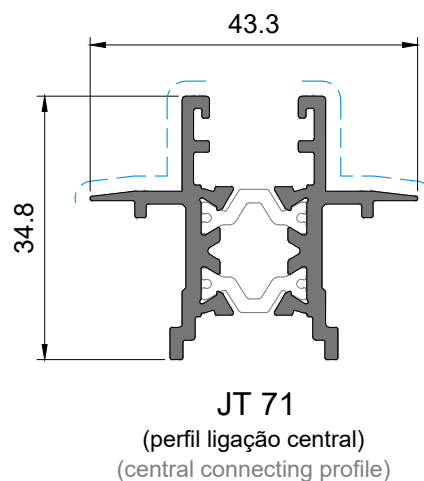
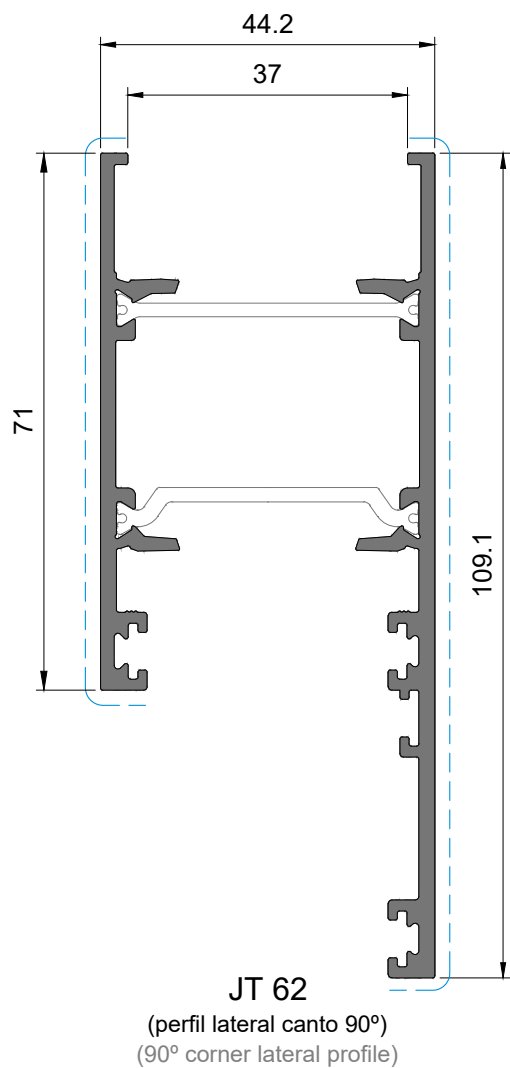
**JT 53**

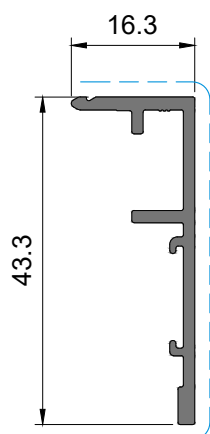
(perfil central reforçado | reinforced central profile)



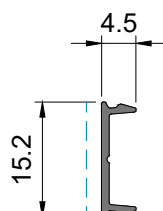
**JT 54**

(perfil central reforçado | reinforced central profile)

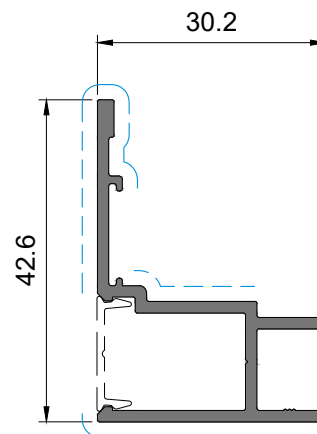




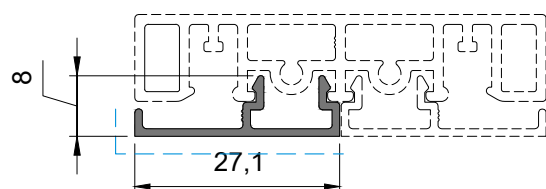
**JT 82**  
(perfil remate)  
(finishing profile)



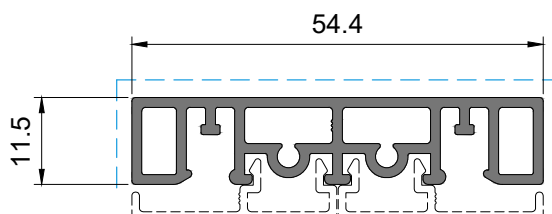
**AT 30**  
(capa)  
(cover)



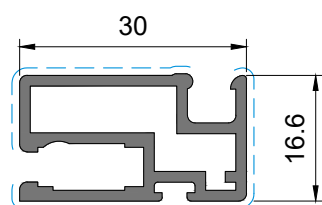
**JT 83**  
(perfil remate)  
(finishing profile)



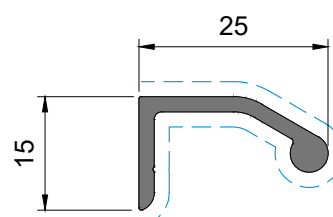
**KY 87**  
(tampa travessa mosquiteira)  
(mosquito net transom cover)



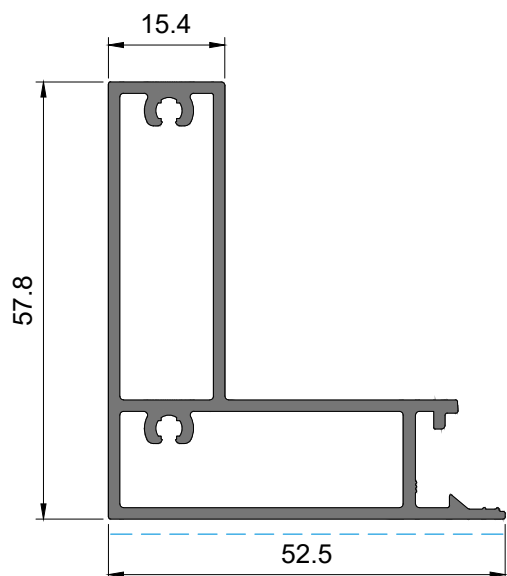
**KY 89**  
(travessa central mosquiteira)  
(mosquito net central transom)



**KY 88**  
(aro móvel mosquiteira)  
(mosquito net mobile frame)

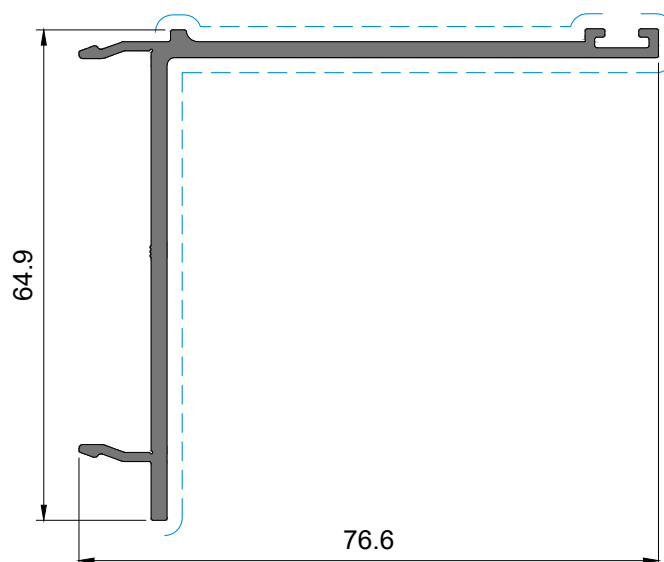


**TR 81**  
(puxador mosquiteira)  
(mosquito net handle)



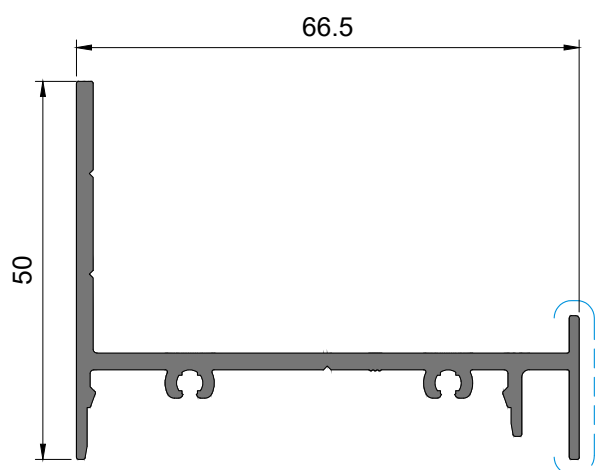
**JT 93**

(perfil montante para solução de embutir)  
(mullion profile for hidden sliding solution)



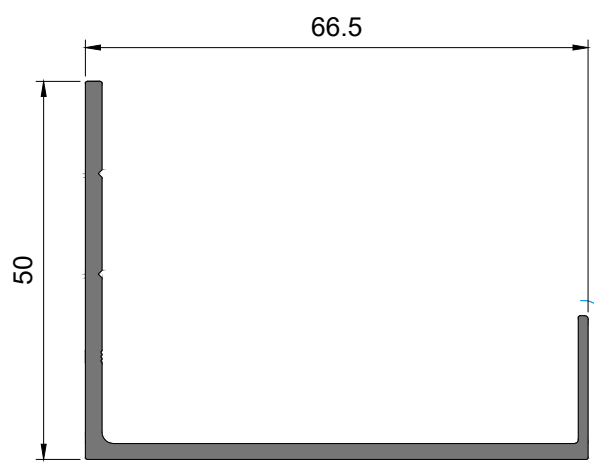
**SO 46**

(perfil remate para solução de embutir)  
(finishing profile for hidden sliding solution)



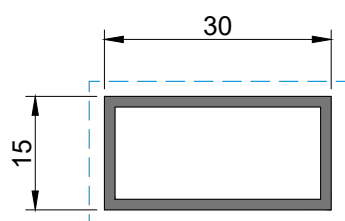
**SO 47**

(perfil remate para solução de embutir)  
(finishing profile for hidden sliding solution)



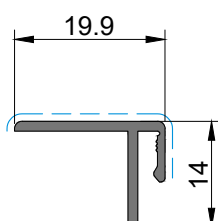
**SO 48**

(perfil remate para solução de embutir)  
(finishing profile for hidden sliding solution)



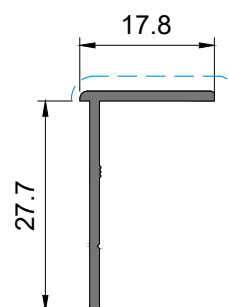
**KP 32**

(tubo)  
(tube)



**JT 81**

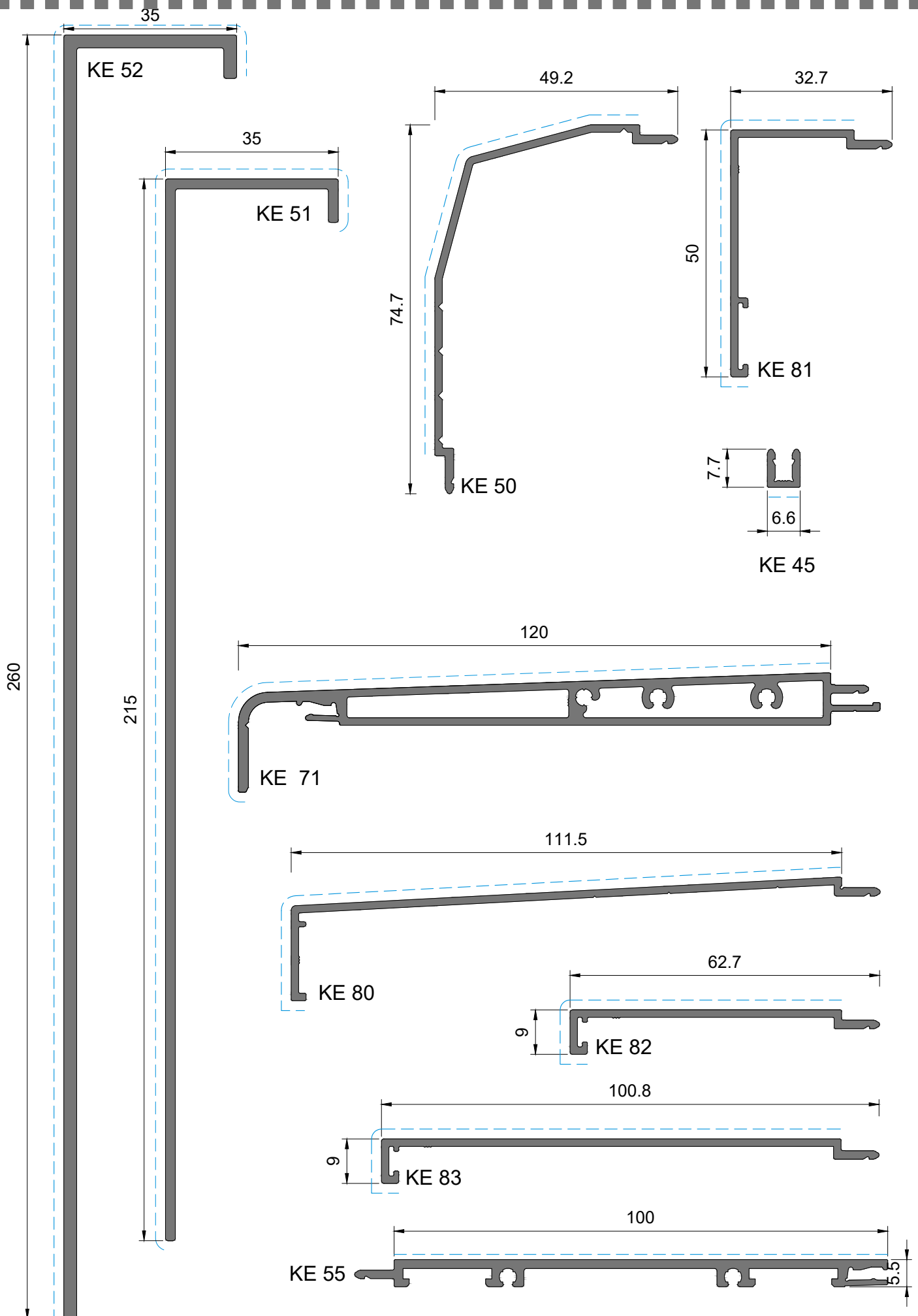
(perfil complementar)  
(complementary profile)

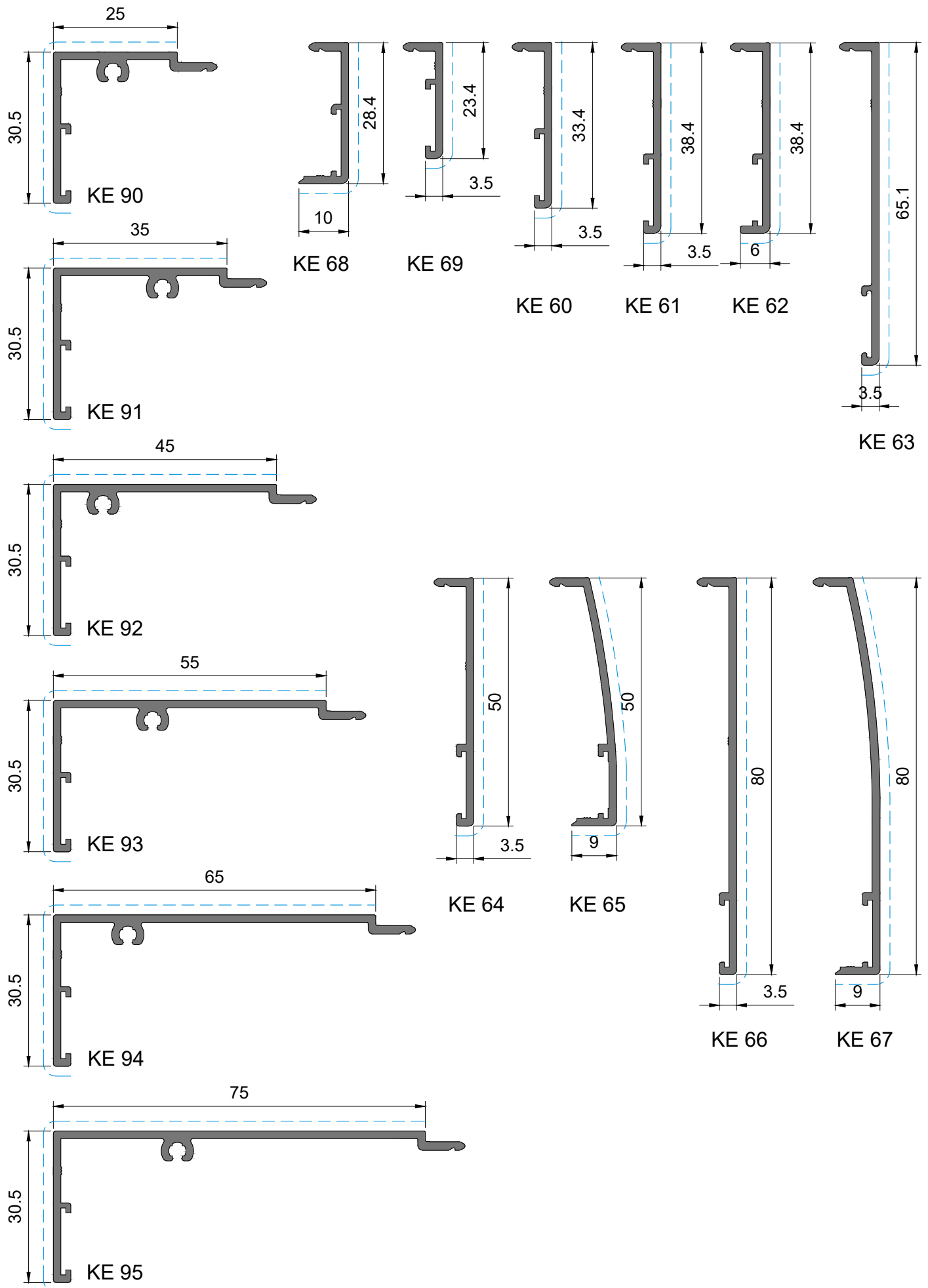


**JM 81**

(perfil complementar)  
(complementary profile)

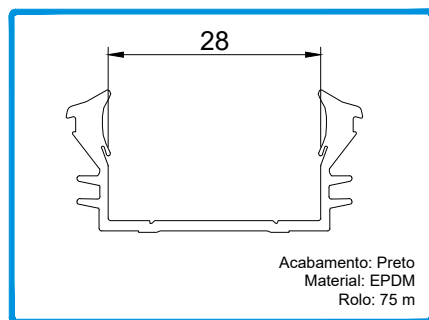




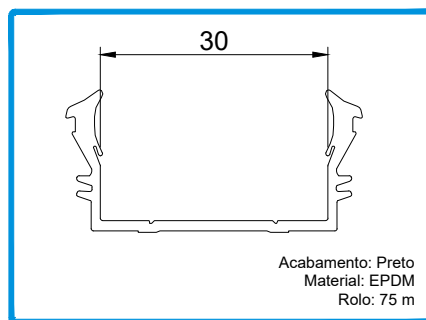


**ACESSÓRIOS**  
ACCESSORIES

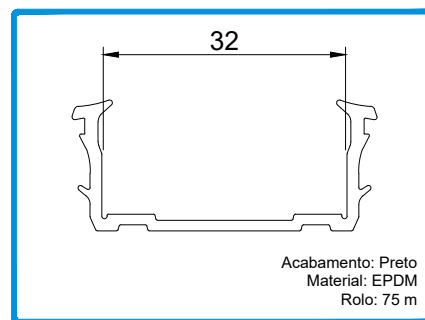
## JUNTAS DE VIDRO, VEDANTES E PELÚCIAS | GLAZING GASKETS, JOINTS AND BRUSHES



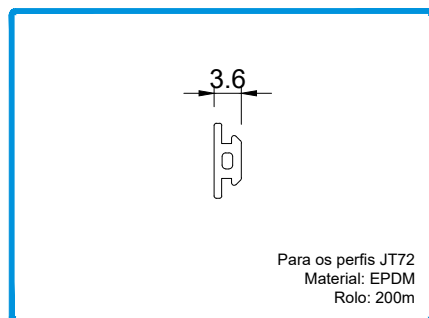
208477 JUNTA VIDRO U 1028 CX 28MM JT



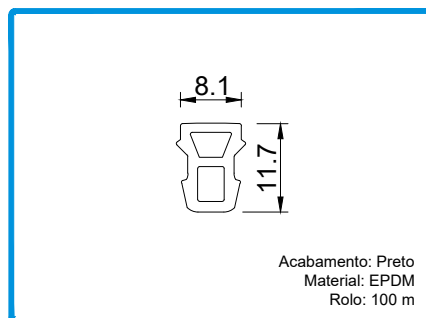
208478 JUNTA VIDRO U 1030 CX 30MM JT



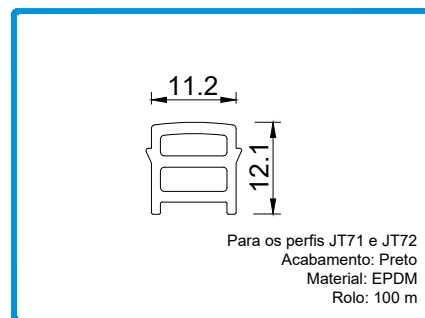
208099 JUNTA VIDRO U 1032 CX 32MM JT



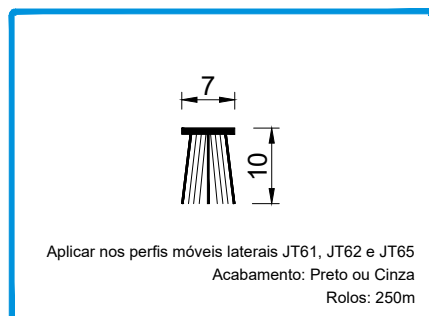
208435 JUNTA VD 2415 PRT



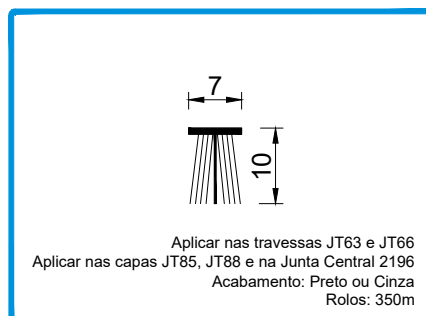
208348 JUNTA TAPA CANAL 2116 JT



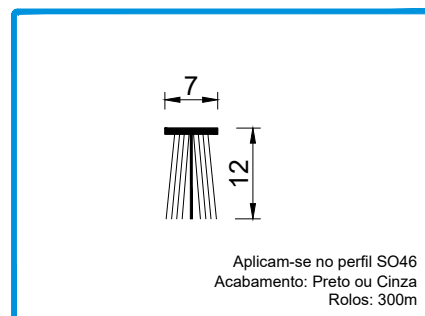
208479 JUNTA TAPA CANAL 2117 JT



208306 PELÚCIA 7x10 TRI-FIN Cinza  
208307 PELÚCIA 7x10 TRI-FIN Preto

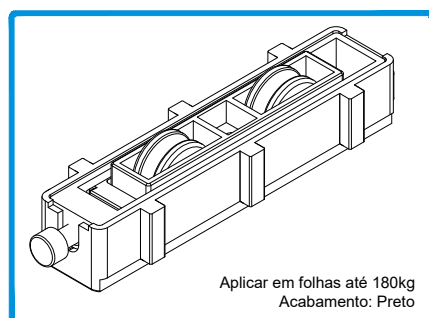


208434 PELÚCIA 7x10 STOP-FIN Cinza  
208304 PELÚCIA 7x10 STOP-FIN Preta

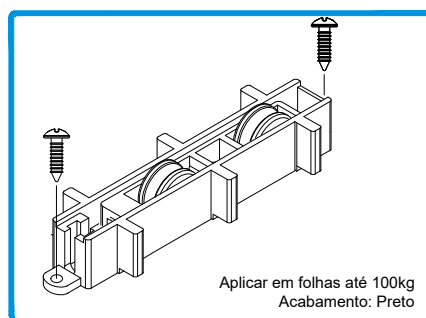


208593 PELÚCIA 7x12 STOP-FIN Cinza  
208466 PELÚCIA 7x12 STOP-FIN Preta

## CARRINHOS | ROLLERS

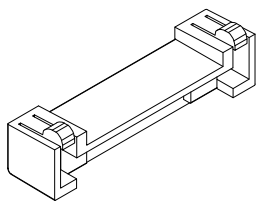


205129 CARRINHO JT 180KG



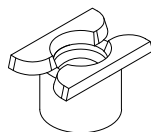
205108 CARRINHO JT 100KG

## ACESSÓRIOS DE ESTANQUEIDADE | SEALING ACCESSORIES



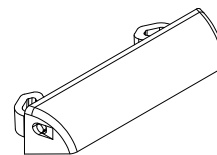
Acabamento: transparente

210269 GOTEIRA OCULTA C/ VÁLV. SV-C13



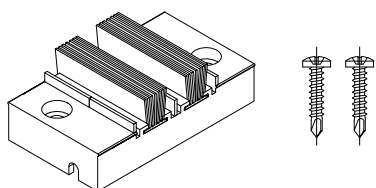
Acabamento: preto

210265 GOTEIRA C/ VÁLV. BOLA



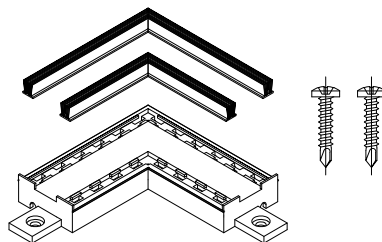
Acabamento: preto

210268 GOTEIRA C/ VÁLV. SVE



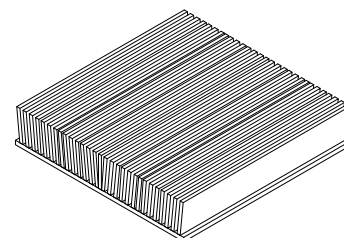
Para os perfis aro fixo FR e PT

213286 CORTA-VENTO JT



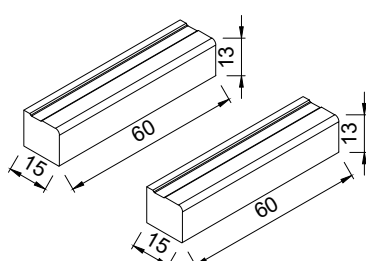
Para os perfis aro fixo FR e PT em canto 90°

213287 CORTA-VENTO CANTO 90° JT



Para os perfis JT22 e JT23  
Para obter o Corta-Vento, consultar o Depart. Técnico

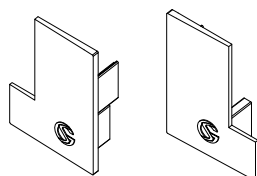
213288 CORTA-VENTO BAIXO JT



Para os perfis aro fixo FR e PT

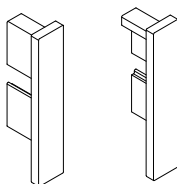
212337 CONJ. ESTANQUEIDADE CORTA-VENTO JT

## PINGADEIRAS | DRIPS



Para o perfil JT83

212341 CONJ. TOPOS LAT. PINGADEIRA

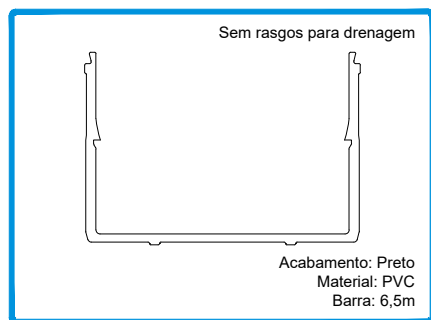


Para o perfil JT82

Para obter o Conjunto, consultar o Depart. Técnico

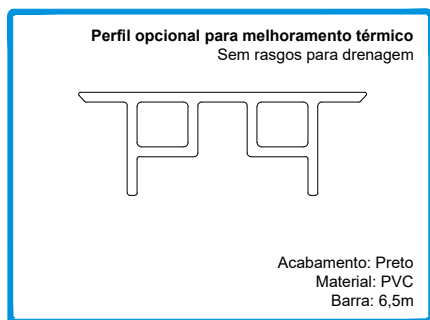
CONJ. TOPOS LAT. PINGADEIRA JT82

## ACESSÓRIOS PARA O ARO | FRAME ACCESSORIES



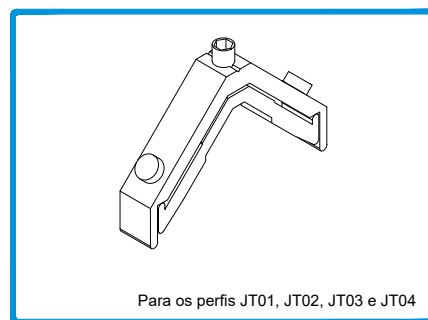
215305

PERFIL PVC U JT



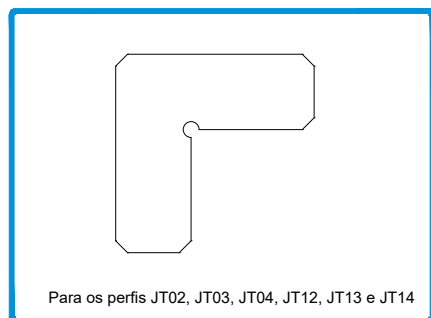
215303

PERFIL PVC T JT



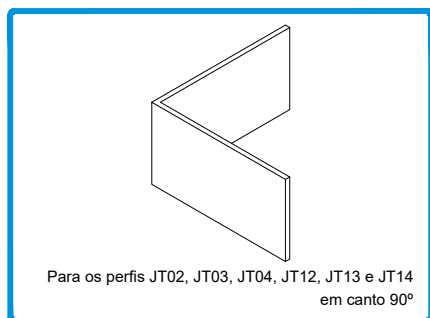
204164

ESQUADRO JT 12x9.5



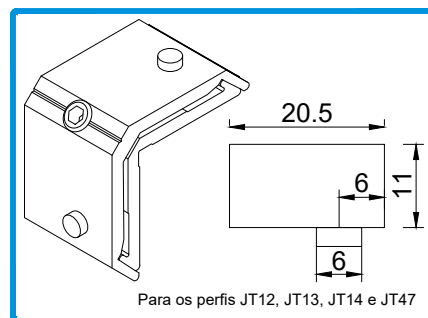
213246

CANTO CR S/SB



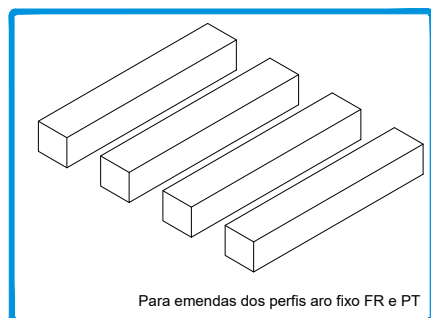
204389

ESQUADRO INOX CANTO 90°



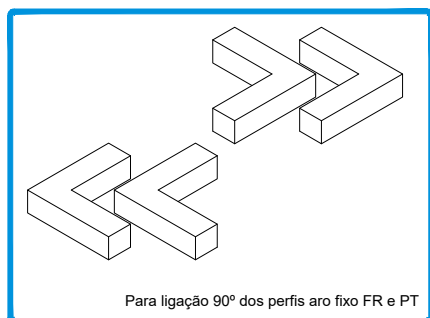
204153

ESQUADRO JT 11x20.5



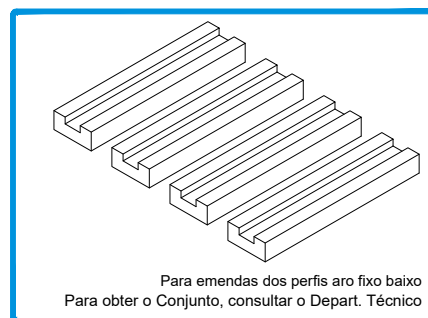
212242

CONJ. UNIÃO RETA JT

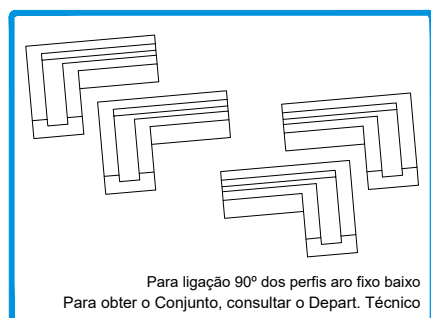


212243

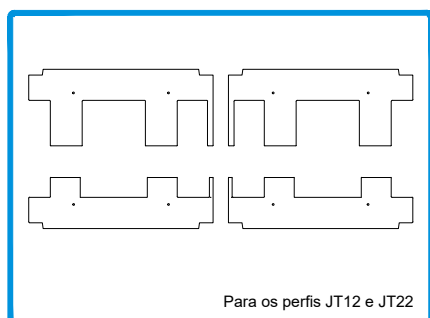
CONJ. UNIÃO CANTO 90° JT



CONJ. UNIÃO RETA  
ARO BAIXO JT

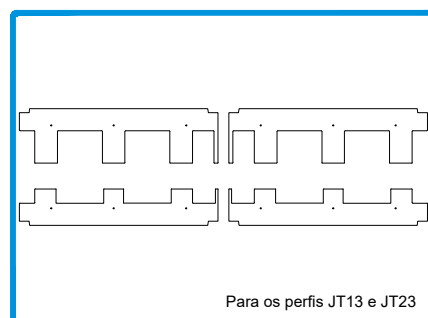


CONJ. UNIÃO CANTO 90°  
ARO BAIXO JT



223105

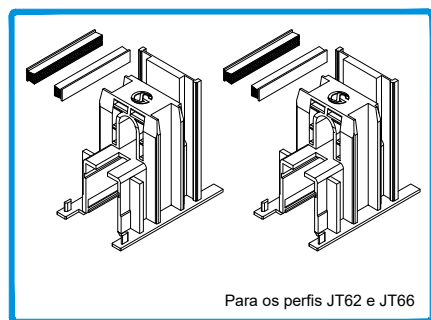
KIT JUNTAS ADESIVAS Nº1 JT



223106

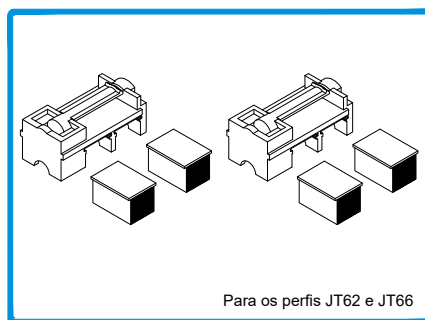
KIT JUNTAS ADESIVAS Nº2 JT

## ACESSÓRIOS PARA PERFIS LATERAIS | LATERAL PROFILES ACCESSORIES



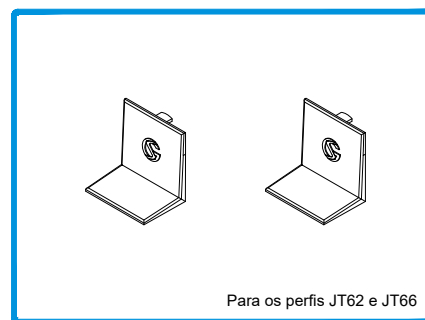
212199

CONJ. TOPOS LAT. JT



212230

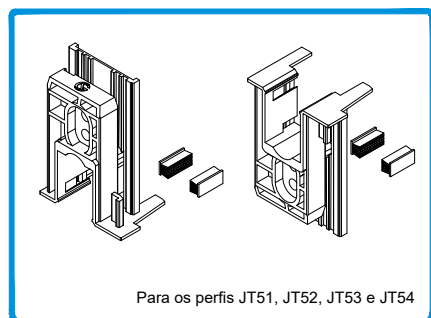
CONJ. TOPOS INTERIORES LAT. JT



212201

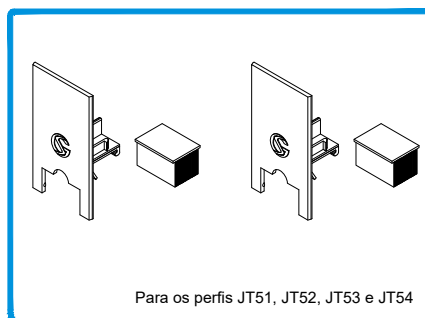
CONJ. TAMPAS TOPOS LAT. JT

## ACESSÓRIOS PARA PERFIS CENTRAIS | CENTRAL PROFILES ACCESSORIES



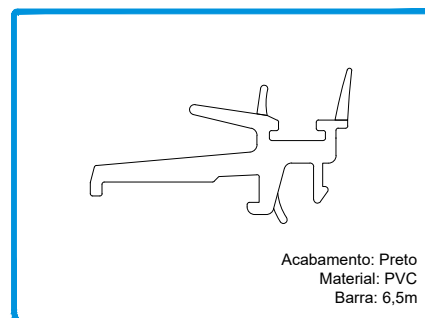
212231

CONJ. TOPOS CENTRAIS JT



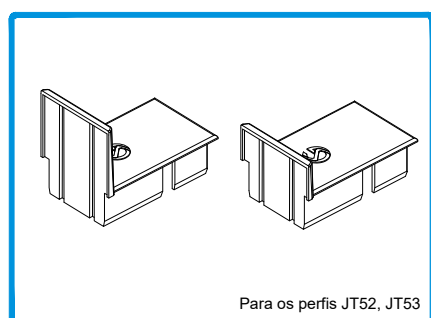
212339

CONJ. TAMPAS  
TOPOS CENTRAIS JT



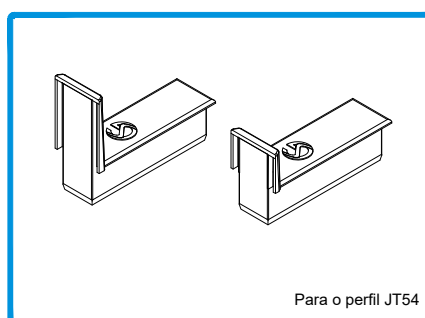
208346

JUNTA CENTRAL 2196 JT



212340

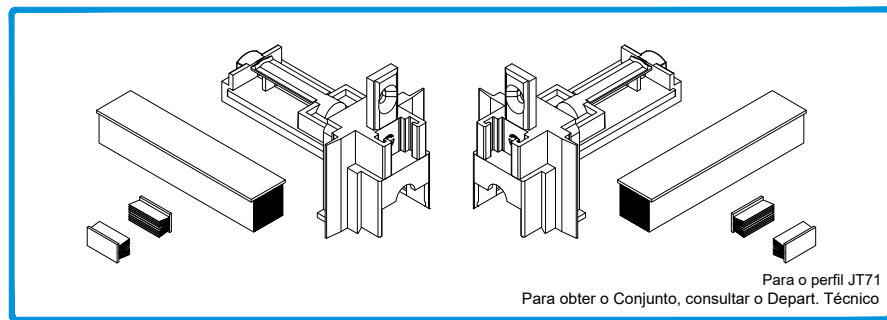
CONJ. TOPOS  
CENTRAL REFORÇADO



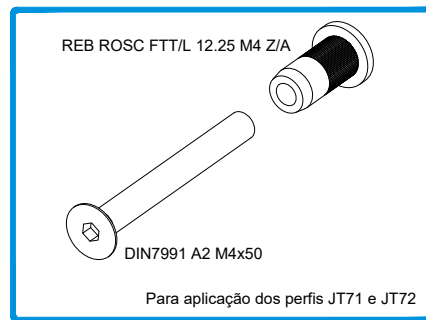
212456

CONJ. TOPOS  
CENTRAL REFORÇADO JT54

ACESSÓRIOS PARA LIGAÇÃO CENTRAL E CANTO 90° | CENTRAL AND 90° CORNER CONNECTION ACCESS.

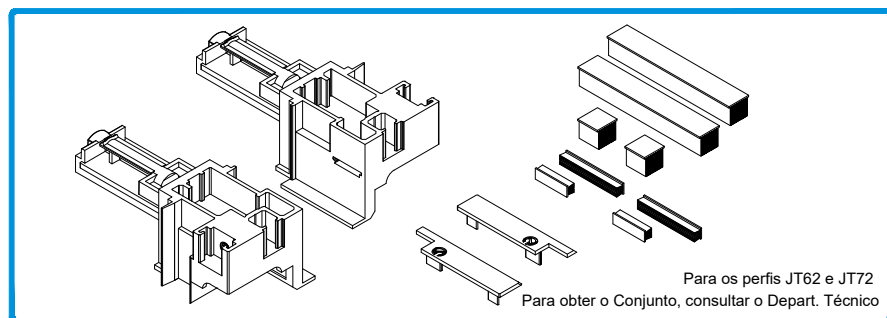


CONJ. TOPOS LIGAÇÃO 2 FOLHAS JT



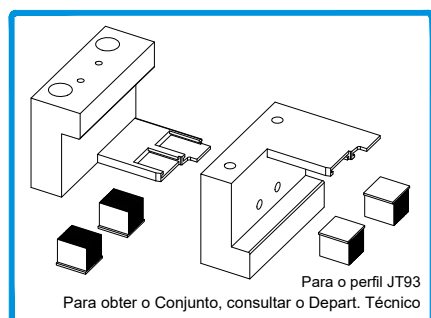
212079

CONJ. FIXAÇÃO FERRAGEM  
MULTIPONTO JT72



CONJ. TOPOS CANTO 90° JT

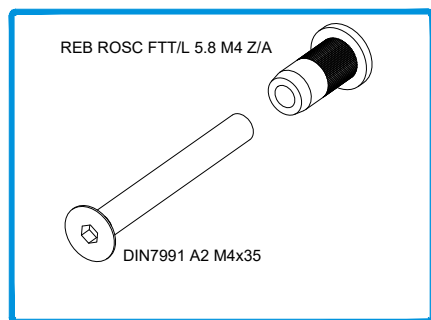
ACESSÓRIOS PARA TIPOLOGIAS DE EMBUTIR | HIDDEN SLIDING TYPOLOGIES ACCESSORIES



CONJ. TOPOS JT93

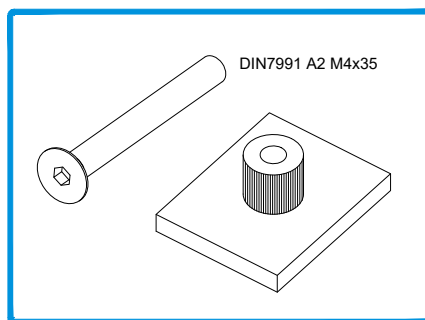


## ACESSÓRIOS COMUNS AOS MULTIPONTO SOS E SOT | SOS AND SOT MULTIPOINT SHARED ACCESSORIES



212017

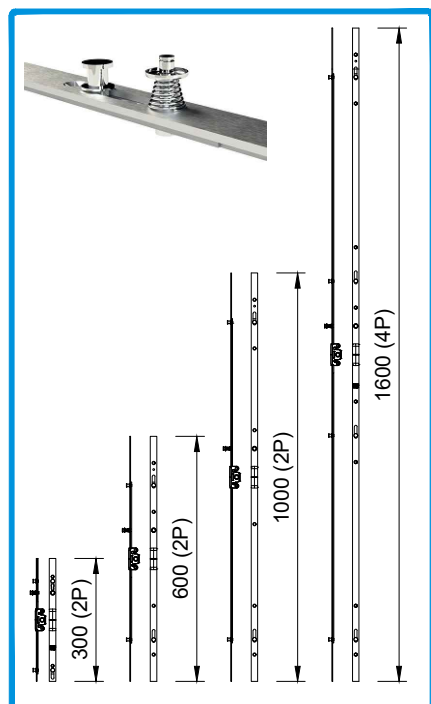
CONJUNTO FIXAÇÃO  
FERRAGEM MULT.



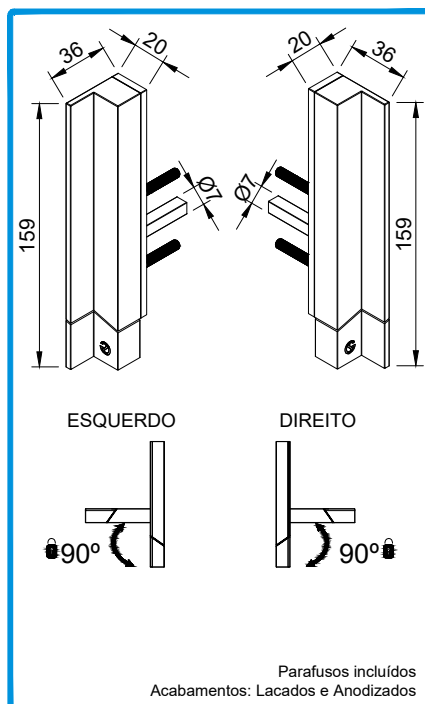
212371

CONJ. FIXAÇÃO JT

## ACESSÓRIOS PARA FERRAGEM MULTIPONTO SOS | SOS MULTIPOINT HARDWARE ACCESSORIES

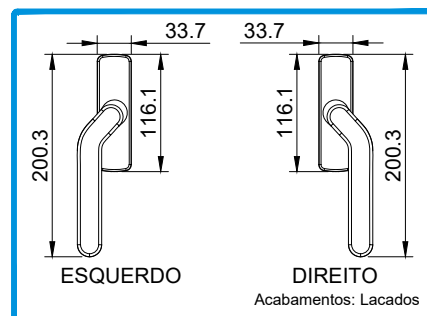


211119 F. MULTIP. ANTI-FALSA MAN. 300  
211120 F. MULTIP. ANTI-FALSA MAN. 600  
211121 F. MULTIP. ANTI-FALSA MAN. 1000  
211122 F. MULTIP. ANTI-FALSA MAN. 1600



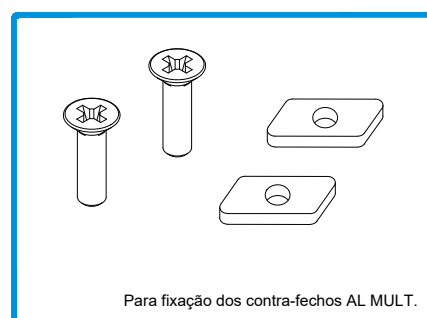
200817 PUXADOR SLIM XS (Direito)  
200819 PUXADOR SLIM XS (Esquerdo)

Parafusos incluídos  
Acabamentos: Lacados e Anodizados



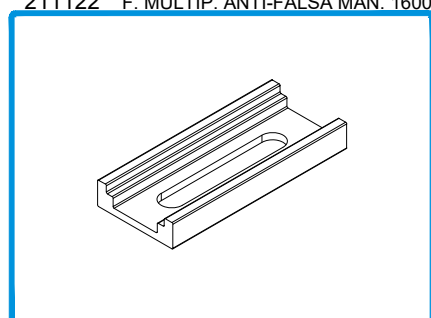
200959 CREMONE MULT. DESVIADO DIR  
200939 CREMONE MULT. DESVIADO ESQ

Acabamentos: Lacados

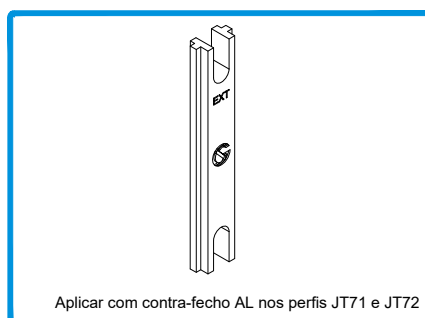


212455 CONJ. FIX. CONTRA-FECHO  
AL MULTIP. JT

Para fixação dos contra-fechos AL MULT.

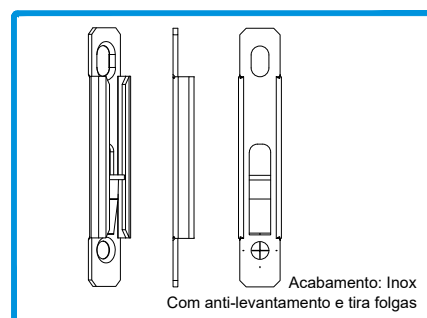


218198 CALÇO P/ MULTIPONTO SOS JT



218154 CALÇO P/ CONTRA-FECHO  
AL MULTIP. PERFIL LIG

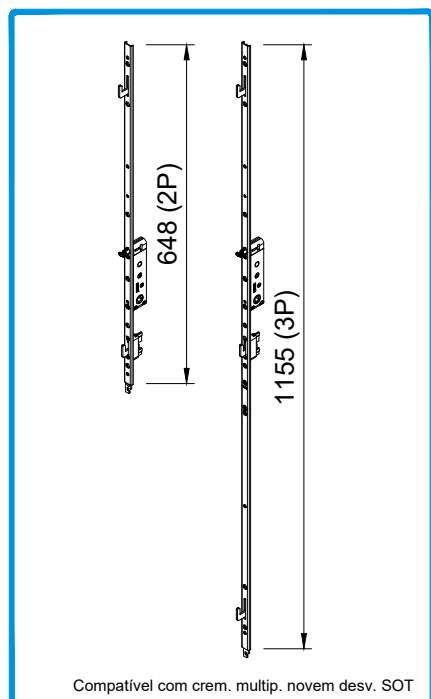
Aplicar com contra-fecho AL nos perfis JT71 e JT72



202491 CONTRA-FECHO ANTI-LEVANT.  
MULT.

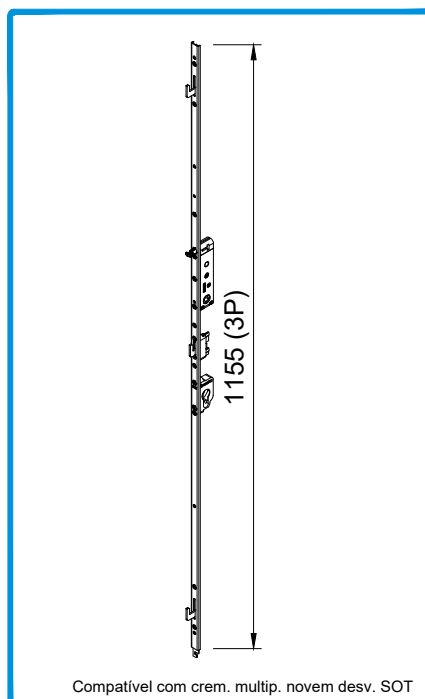
Acabamento: Inox  
Com anti-levantamento e tira folgas

ACESSÓRIOS PARA FERRAGEM MULTIPONTO SOT | SOT MULTIPOINT HARDWARE ACCESSORIES



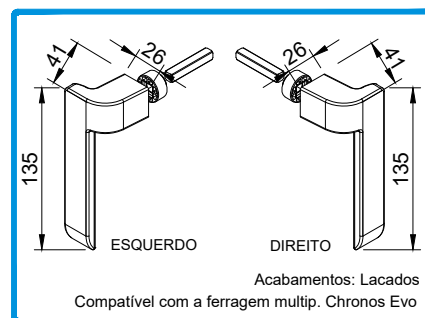
Compatível com crem. multip. novem desv. SOT

211175 FERRAGEM MULTIPONTO  
CHRONOS EVO SOT (2P)  
211176 FERRAGEM MULTIPONTO  
CHRONOS EVO SOT (3P)

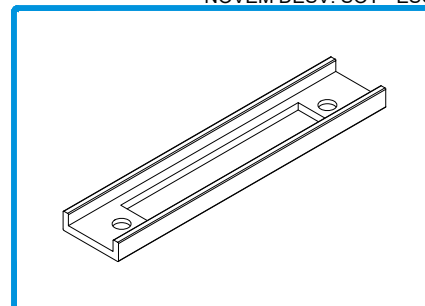


Compatível com crem. multip. novem desv. SOT

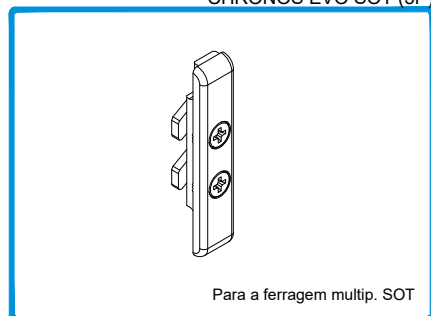
211179 FERRAGEM MULTIP. C/ CHAVE  
CHRONOS EVO SOT (3P)



200238 CREM. MULTIP. MINIMALISTA  
NOVEM DESV. SOT - DIR  
200239 CREM. MULTIP. MINIMALISTA  
NOVEM DESV. SOT - ESQ

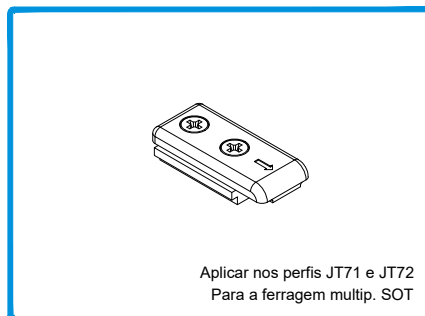


218197 CALÇO P/ MULTIPONTO SOT JT



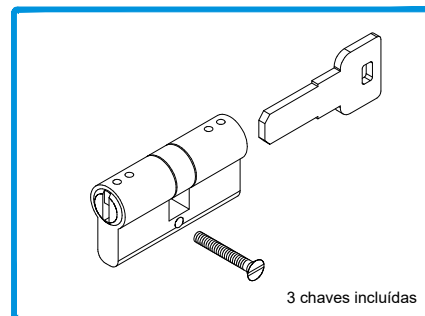
Para a ferragem multip. SOT

202492 CONTRA-FECHO SOT

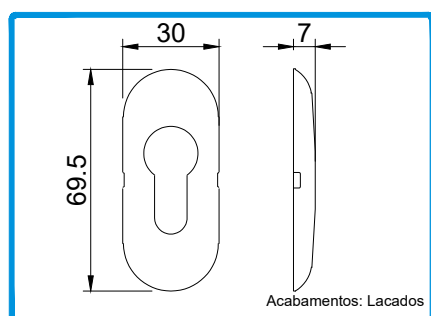


Aplicar nos perfis JT71 e JT72  
Para a ferragem multip. SOT

202320 CONTRA FECHO LIGAÇÃO  
2 FOLHAS E 90° SOT

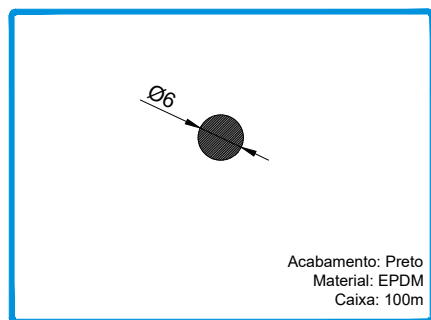


230006 SEGredo 30/30 NIQUELADO

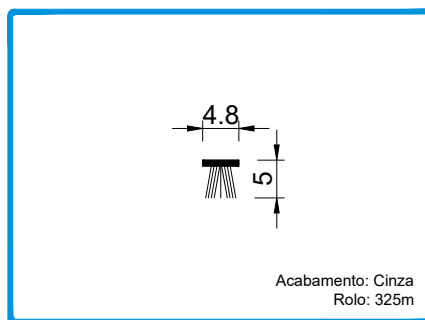


220251 ESPELHO P/SEGredo 3500

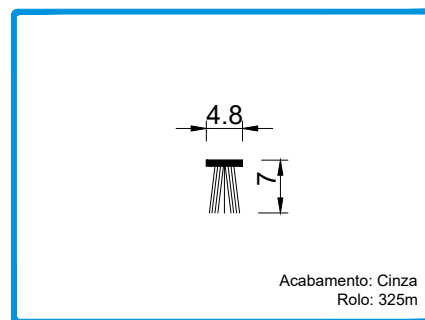
## ACESSÓRIOS PARA MOSQUITEIRA | MOSQUITO NET ACCESSORIES



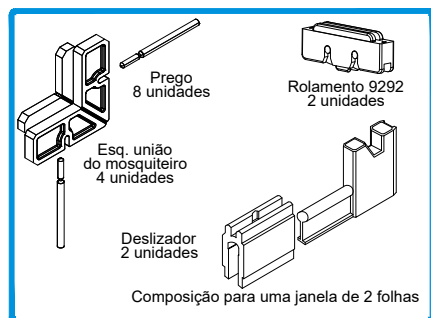
208310 VEDANTE P/ MOSQUITEIRA 1027



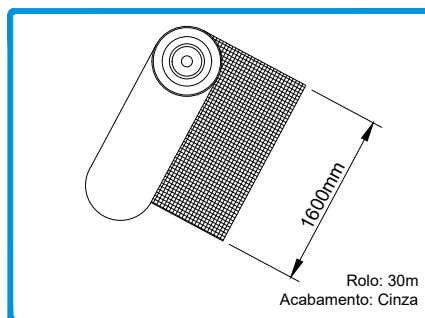
208303 PELUCIA 4.8x5MM P/ MOSQUITEIRA



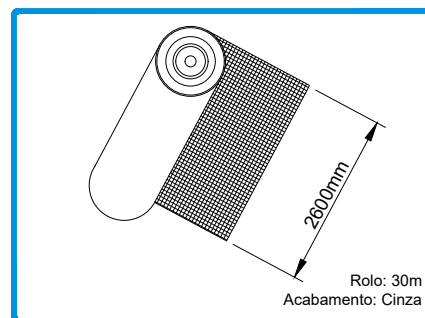
208564 PELUCIA 4.8x7MM P/ MOSQUITEIRA



223247 KIT TR MOSQUITEIRA DE CORRER

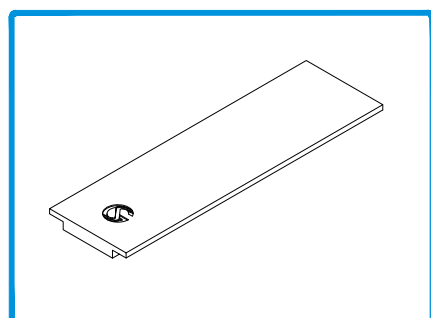


229105 REDE MOSQUITEIRA EM FIBRA 1600mm



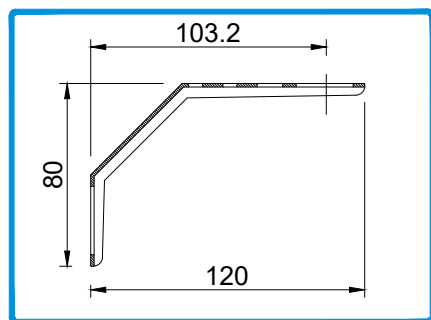
229106 REDE MOSQUITEIRA EM FIBRA 2600mm

## ACESSÓRIOS PARA VIDRO | GLASS ACCESSORIES

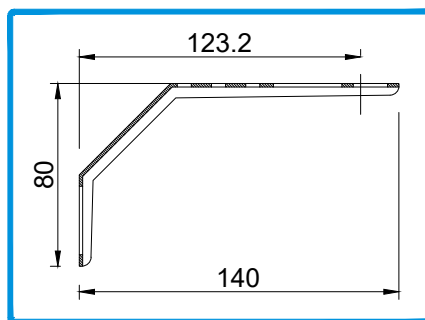


218137 CALÇO REFORÇO HORIZONTAL JT

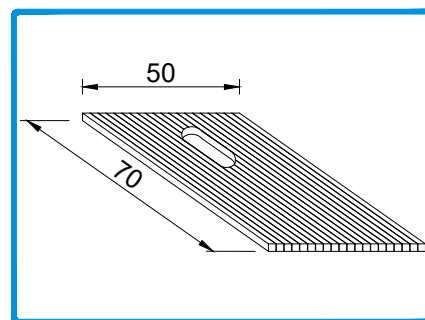
## ACESSÓRIOS RENOVATIO | RENOVATIO ACCESSORIES



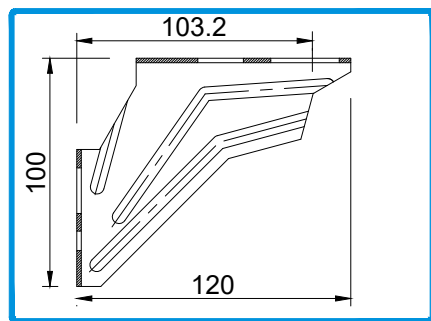
213240 ÂNGULO DE FIXAÇÃO 120MM



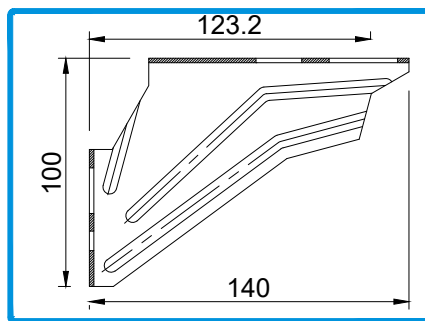
213256 ÂNGULO DE FIXAÇÃO 140MM



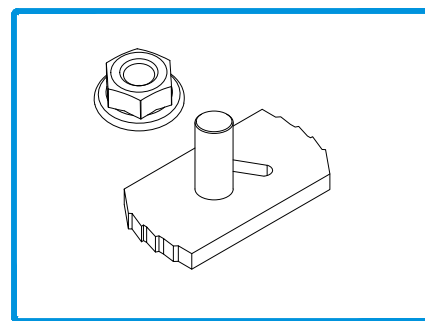
218116 CALÇO SEPARADOR 50x70MM



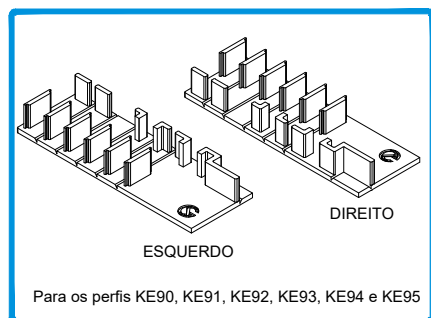
230019 SUPORTE DE FIXAÇÃO 120MM



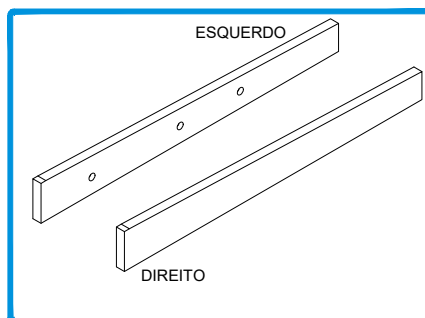
230308 SUPORTE DE FIXAÇÃO 140MM



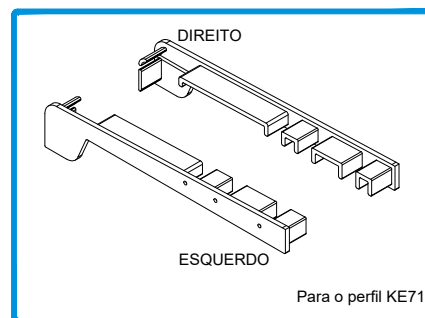
207220 PRESILHA M6x37MM



212223 CONJ. TOPOS INFERIORES RENOVATIO  
Para os perfis KE90, KE91, KE92, KE93, KE94 e KE95

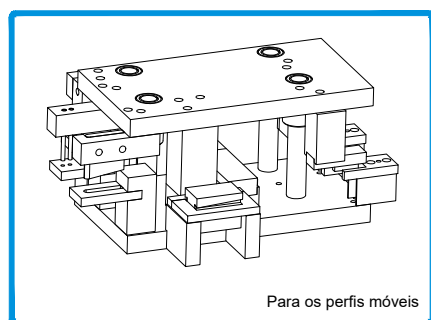


212227 CONJ. JUNTAS ADESIVAS P/ TOPOS PERFIL SOLEIRA KE71

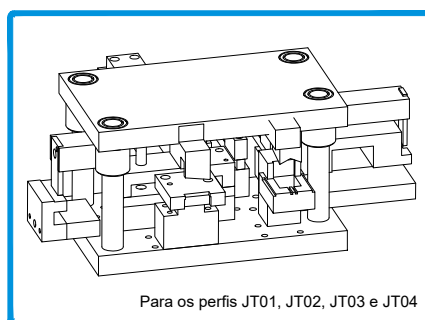


212221 CONJUNTO TAPA TOPOS KE 71  
Para o perfil KE71

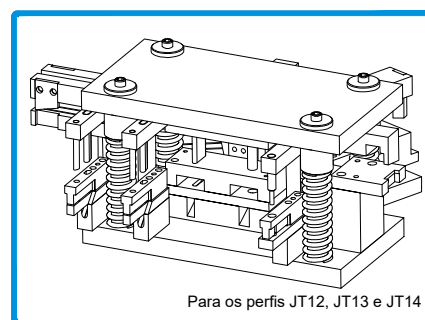
## FERRAMENTAS | TOOLS



408060 CORTANTE JT - FOLHAS  
Para os perfis móveis

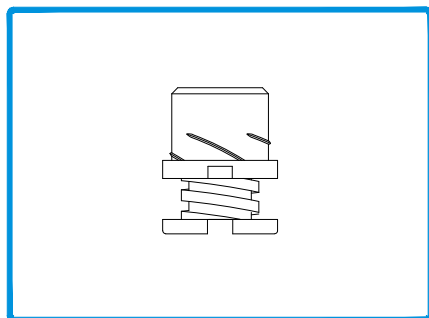


408061 CORTANTE JT - AROS FR  
Para os perfis JT01, JT02, JT03 e JT04

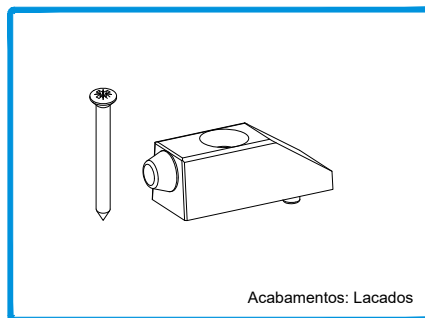


408062 CORTANTE JT - AROS PT  
Para os perfis JT12, JT13 e JT14

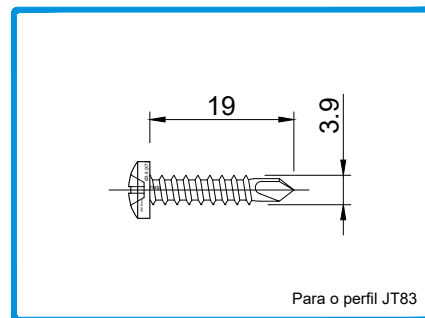
DIVERSOS | DIVERS



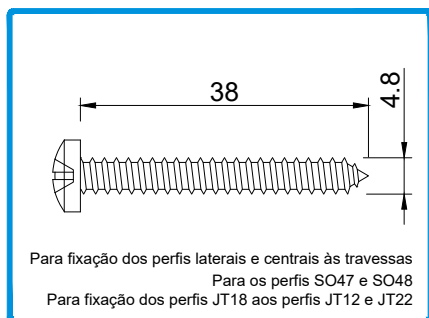
224205 NIVELADOR PEQUENO 600.01/8



228107 LIMITADOR ABERTURA  
PQ SERIE CORRER

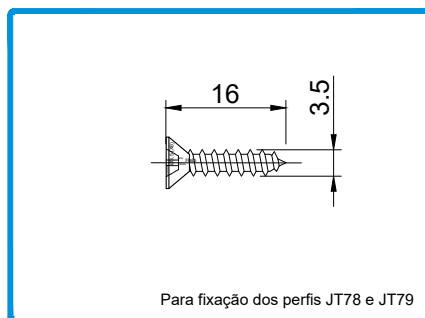


290472 PARAF. AT/PF CQ 3.9x19 A2  
Para o perfil JT83



Para fixação dos perfis laterais e centrais às travessas  
Para os perfis SO47 e SO48  
Para fixação dos perfis JT18 aos perfis JT12 e JT22

290158 PARAF PKI PH 1 1/2x10 CQ



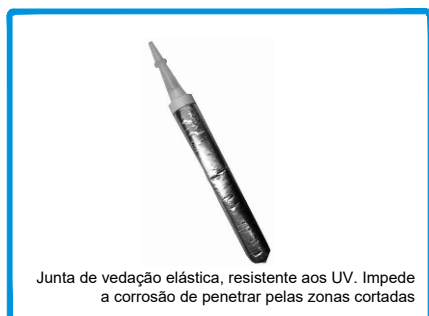
Para fixação dos perfis JT78 e JT79

PARAFUSO DIN7982 PH 3,5x16 A2



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

208704 PRODUTO LIMPEZA DE  
ALUMÍNIO (1L) Transparente



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

208019 SELA JUNTAS 150gr. (Cinza)

**TIPOLOGIAS E MAPAS DE QUANTIDADES**  
TYPOLOGIES AND QUANTITIES TABLES

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|----------------------------------------------------------------------------|-----------|
| <b>PERFIS ARO FIXO FR (CORTE 45°)</b><br>FR FIXED FRAME PROFILES (45° CUT) | <b>28</b> |
| <b>PERFIS ARO FIXO PT (CORTE 45°)</b><br>PT FIXED FRAME PROFILE (45° CUT)  | <b>38</b> |
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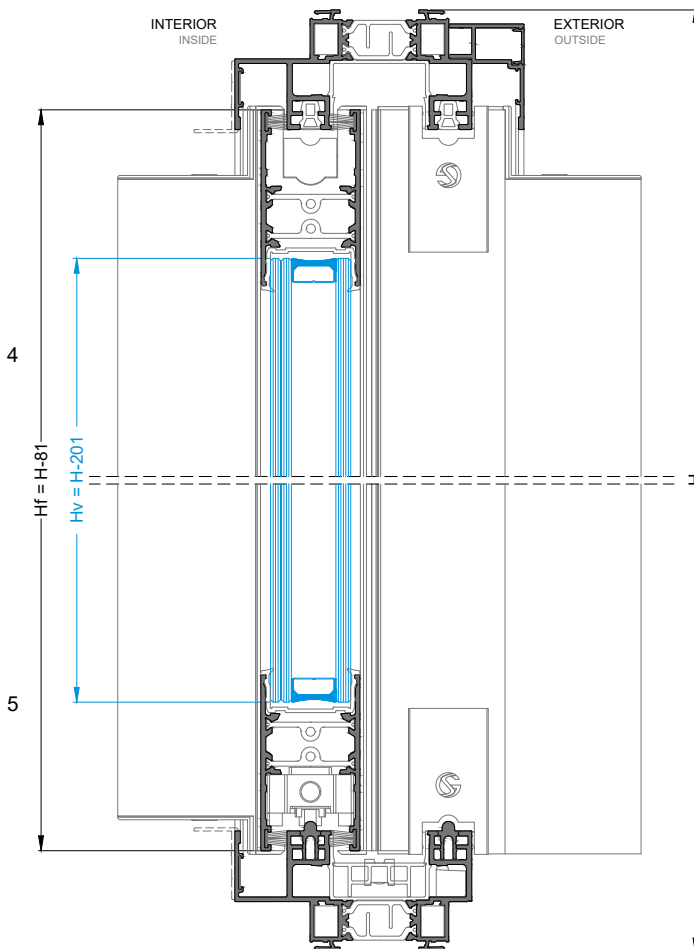
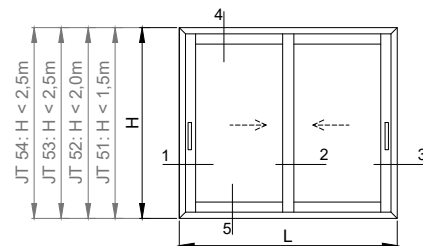
# JANELA / PORTA DE CORRER 2 FOLHAS - PERFIL FR 2RAIL

## 2 LEAVES SLIDING WINDOW / DOOR - 2RAIL FR PROFILE

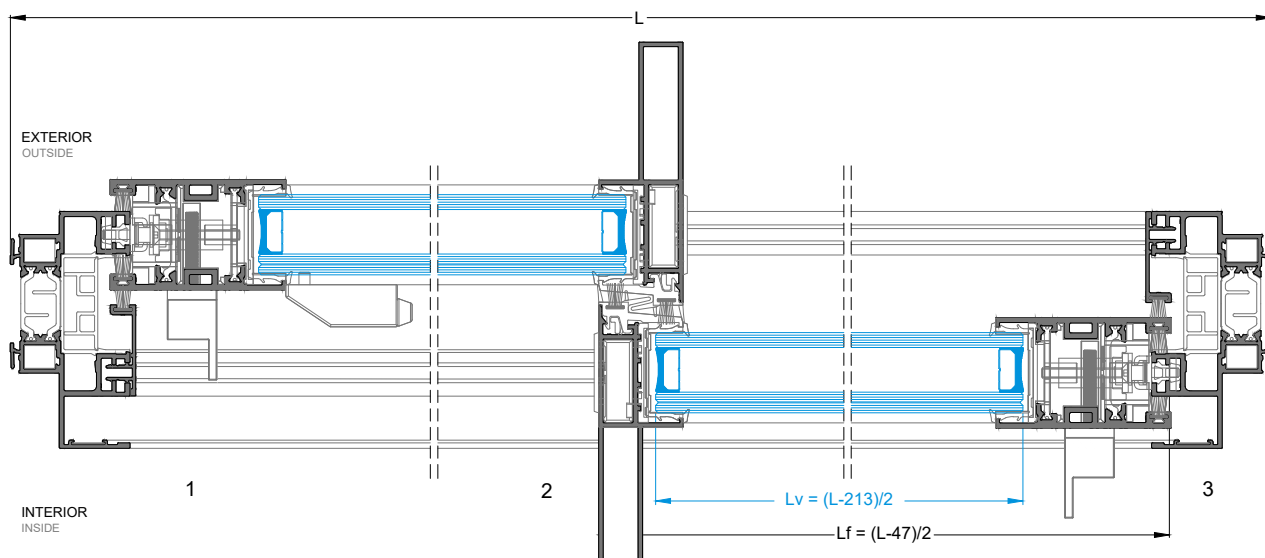
| PERFIS   PROFILES |                                    |                                |                             |                    |              |
|-------------------|------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 02             | ARO FIXO   FIXED FRAME             | L                              | H                           | 2 + 2              |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-81                        | 2                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                              | H-81                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM   | (L-202)/2                      | -                           | 4                  |              |
| AT 30             | CAPA COMPLEM.   COMPLEM. COVER     | L-44                           | -                           | 1                  |              |
| JT 83             | PERFIL PINGADEIRA   DRIP PROFILE   | L-44                           | -                           | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER     | -                              | H-58                        | 2                  |              |
| JT 87             | GUIA   RAIL                        | L-100                          | -                           | 2                  |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                              | H-81                        | 2                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | L-41                           | H-41                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | (L-137)/2                      | H-44                        | 2 + 2              |              |

| ACESSÓRIOS   ACCESSORIES |                                                                         |                      |
|--------------------------|-------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 4                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 2                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 1                    |
| 204164                   | ESQUADRO JT 12x9.5   CORNER CLEAT                                       | 8                    |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 2                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 2                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                    | 2                    |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                   | 3                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 4                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONT HARDWARE           | 2                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 4                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 4                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONT HARDWARE SHIM                    | 12                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONT HARDWARE FIXATION KIT                      | 12                   |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                | 1                    |
| 212341                   | CONJ. TOPOS LAT. PINGADEIRA   DRIP PROFILE LAT. END-CAPS KIT            | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                               | 1                    |
| 290472                   | PARAF. AT/PF CQ Ø3.9x19MM   SCREW                                       | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                        | 16                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 4                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 4H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 4H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |



# JANELA / PORTA DE CORRER 3 FOLHAS - PERFIL FR 2RAIL

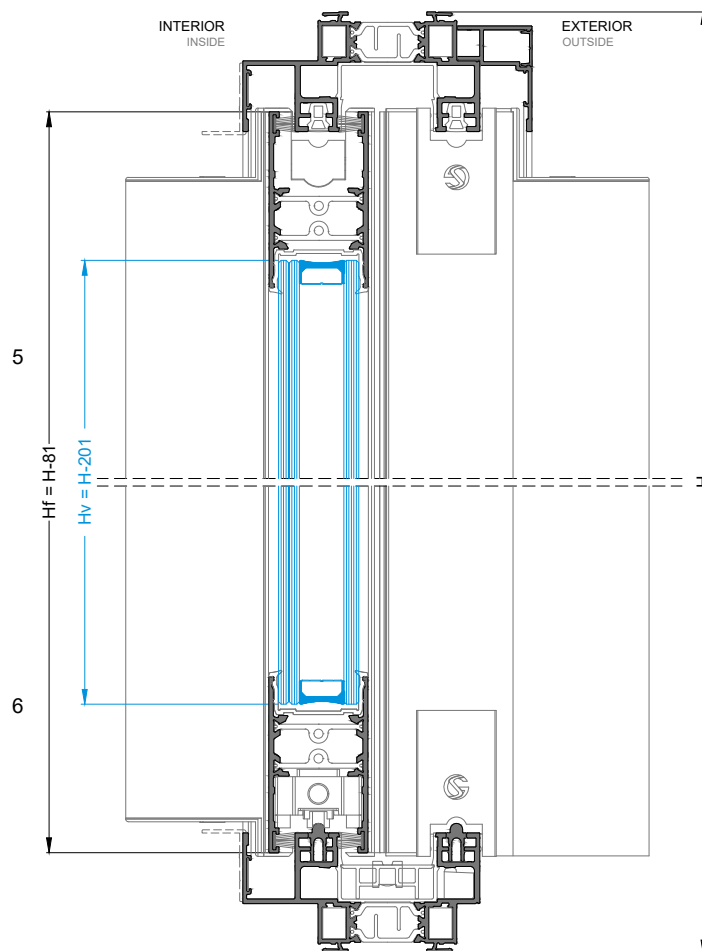
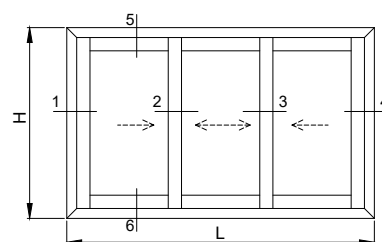
## 3 LEAVES SLIDING WINDOW / DOOR - 2RAIL FR PROFILE

| PERFIS   PROFILES |                                    |                                |                             |                    |              |
|-------------------|------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 02             | ARO FIXO   FIXED FRAME             | L                              | H                           | 2 + 2              |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-81                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                              | H-81                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM   | (L-208)/3                      | -                           | 6                  |              |
| AT 30             | CAPA COMPLEM.   COMPLEM. COVER     | L-44                           | -                           | 1                  |              |
| JT 83             | PERFIL PINGADEIRA   DRIP PROFILE   | L-44                           | -                           | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER     | -                              | H-58                        | 2                  |              |
| JT 87             | GUIA   RAIL                        | L-102<br>L-97                  | -                           | 1                  |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                              | H-81                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | L-41                           | H-41                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | (L-110)/3<br>(L-385)/3         | H-44                        | 2 + 2              |              |

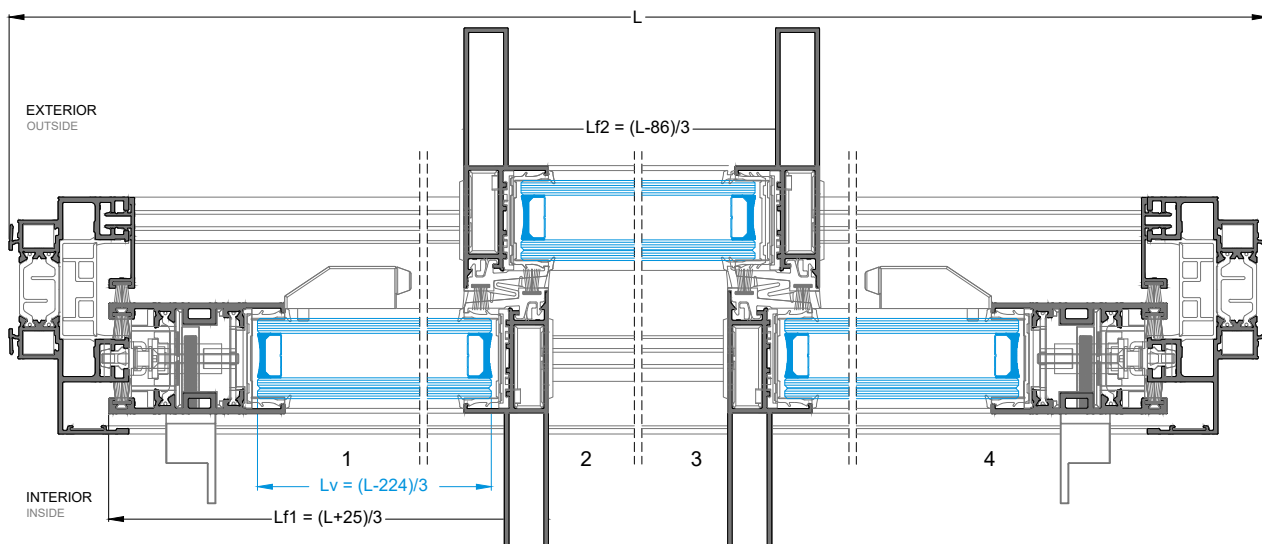
| ACESSÓRIOS   ACCESSORIES |                                                                         |                      |
|--------------------------|-------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 6                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 4                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 2                    |
| 204164                   | ESQUADRO JT 12x9.5   CORNER CLEAT                                       | 8                    |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                    | 4                    |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                   | 3                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 8                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE          | 2                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 4                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 4                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                   | 12                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                     | 12                   |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                | 1                    |
| 212341                   | CONJ. TOPOS LAT. PINGADEIRA   DRIP PROFILE LAT. END-CAPS KIT            | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                               | 2                    |
| 290472                   | PARAF. AT/PF CQ Ø3.9x19MM   SCREW                                       | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF. PKI PH 1 1/2x10 CQ   SCREW                                       | 24                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 6                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.

As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 2 larguras de folha distintas, identificadas como Lf1 e Lf2.  
The formulas were designed for glasses and transoms with equal measures. In this typology there are 2 distinct leaf widths, identified as Lf1 and Lf2.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 6H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 6H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |





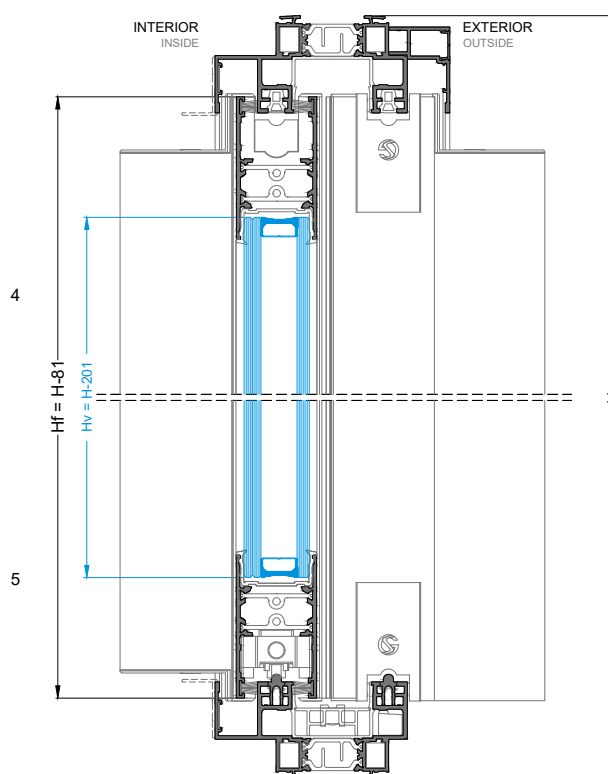
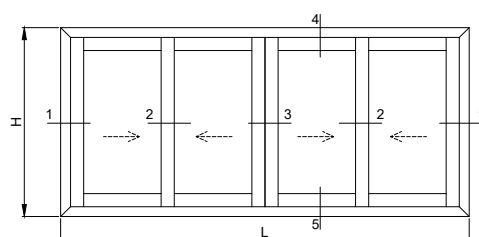
# JANELA / PORTA DE CORRER 4 FOLHAS COM LIGAÇÃO CENTRAL - PERFIL FR 2RAIL

## 4 LEAVES SLIDING WINDOW / DOOR WITH CENTRAL CONNECTION - 2RAIL FR PROFILE

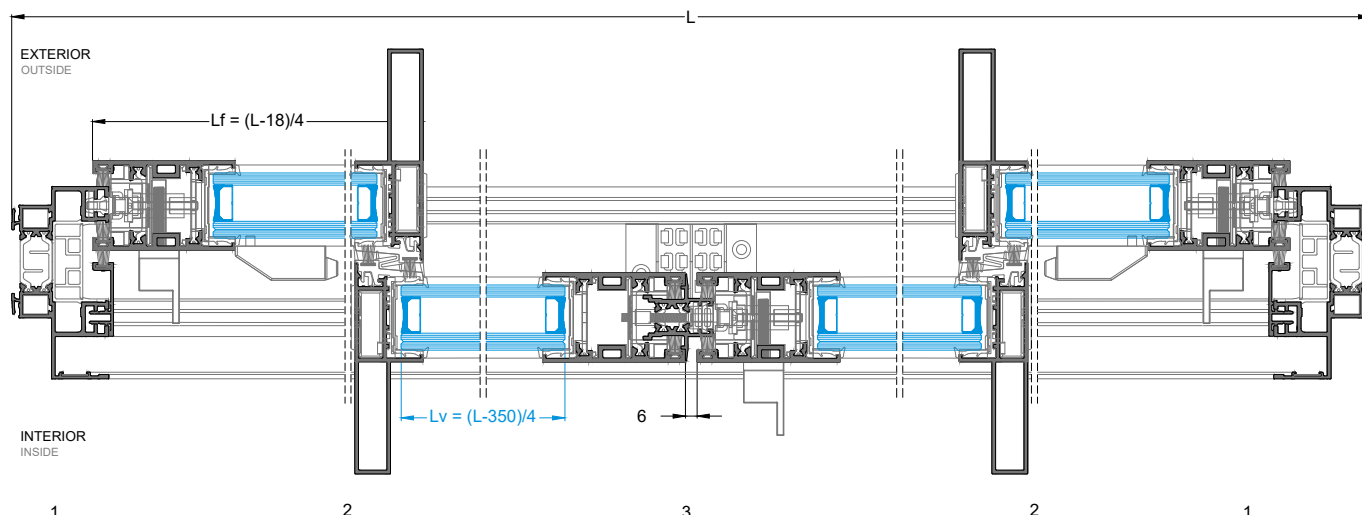
| PERFIS   PROFILES |                                     |                                |                             |                    |              |
|-------------------|-------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION           | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 02             | ARO FIXO   FIXED FRAME              | L                              | H                           | 2 + 2              |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE    | -                              | H-81                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE    | -                              | H-81                        | 4                  |              |
| JT 63             | TRAVESSA SUP/INF   U/LOW TRANSOM    | (L-330)/4                      | -                           | 8                  |              |
| JT 71             | PERFIL LIGAÇÃO   CONNECTION PROFILE | -                              | H-149                       | 1                  |              |
| AT 30             | CAPA COMPLEM.   COMPLEM. COVER      | L-44                           | -                           | 1                  |              |
| JT 83             | PERFIL PINGADEIRA   DRIP PROFILE    | L-44                           | -                           | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER      | -                              | H-58                        | 2                  |              |
| JT 87             | GUIA   RAIL                         | L-102<br>L-97                  | -                           | 1<br>1             |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT  | -                              | H-81                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE        | L-41                           | H-41                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE        | (L-198)/4<br>(L-335)/4         | H-44                        | 2 + 2              |              |

| ACESSÓRIOS   ACCESSORIES |                                                                           |                      |  |
|--------------------------|---------------------------------------------------------------------------|----------------------|--|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                 | QUANT.<br>QUANTITY   |  |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                               | 8                    |  |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                                | 6                    |  |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT   | 3                    |  |
| 204164                   | ESQUADRO JT 12x9,5   CORNER CLEAT                                         | 8                    |  |
| 213246                   | CANTO CR S/SB   CORNER                                                    | 4                    |  |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                                | 4                    |  |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                 | 4                    |  |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                       | 4                    |  |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                            | 4                    |  |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                   | 4                    |  |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                      | 4                    |  |
| 000000                   | CONJ. TOPOS LIG. 2 FOLHAS JT   2 LEAVES CONNECTING END-CAPS KIT           | 1                    |  |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                     | 6                    |  |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                    | 4                    |  |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE            | 3                    |  |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                 | 6                    |  |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT        | 6                    |  |
| 218154                   | CALÇO P/ C-FECHO PERF. LIG   CONNECTING PROFILE COUNTER-LOCK BRACKET SHIM | 2                    |  |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                     | 18                   |  |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                       | 18                   |  |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPOINT HARDWARE FIXATION KIT  | DIVERSOS<br>DIVERSES |  |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                  | 1                    |  |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                  | 2                    |  |
| 212341                   | CONJ. TOPOS LAT. PINGADEIRA   DRIP PROFILE LAT. END-CAPS KIT              | 1                    |  |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                                 | 2                    |  |
| 290472                   | PARAF. AT/PF CQ Ø3.9x19MM   SCREW                                         | DIVERSOS<br>DIVERSES |  |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                          | 32                   |  |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM             | 8                    |  |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 6H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 8H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 8H                 |
| 208479              | JUNTA TAPA CANAL PERFIL LIG. 2117 JT   JOINT   | H                  |



1

2

3

2

1

# JANELA / PORTA DE CORRER 4 FOLHAS EM CANTO EXTERIOR 90° - PERFIL FR 2RAIL

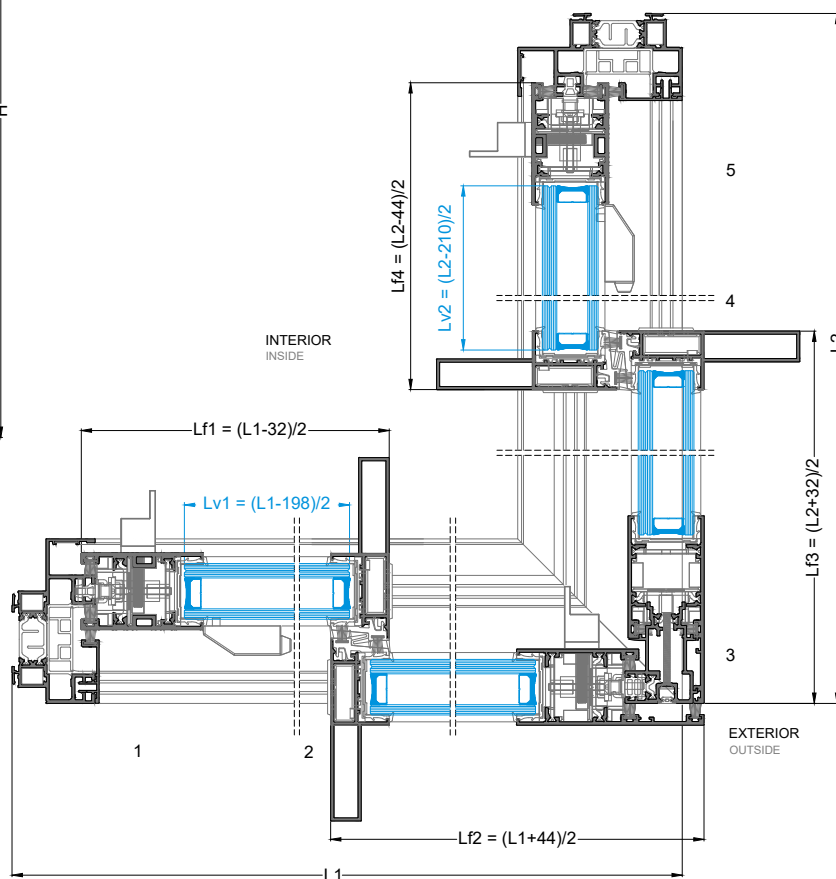
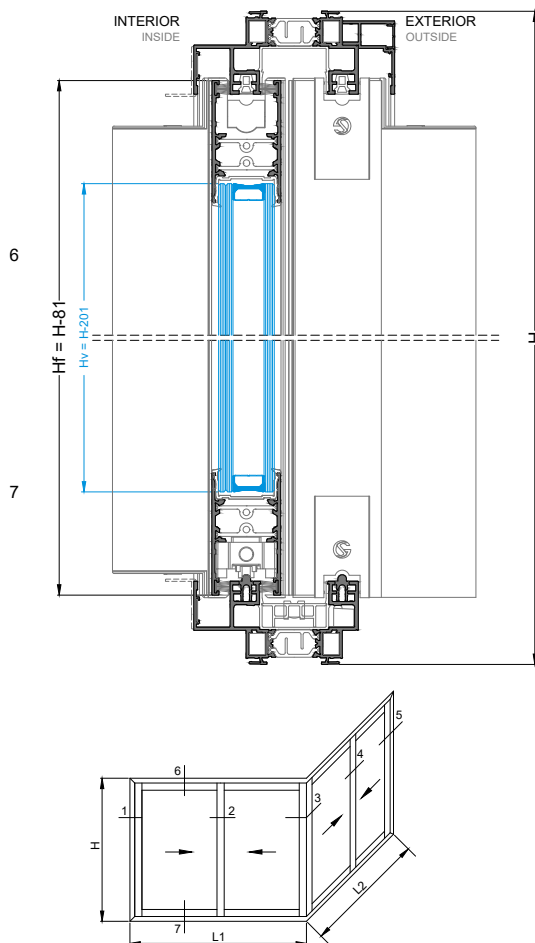
## 4 LEAVES SLIDING WINDOW / DOOR IN OUTER 90° CORNER - 2RAIL FR PROFILE

| PERFIS   PROFILES |                                       |                                                      |                             |                    |              |
|-------------------|---------------------------------------|------------------------------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION             | CORTE HORIZ.<br>HORIZONTAL CUT                       | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 02             | ARO FIXO   FIXED FRAME                | L1<br>L2                                             | H                           | 2<br>2 + 2         |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE      | -                                                    | H-81                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE      | -                                                    | H-81                        | 2                  |              |
| JT 62             | PERFIL LAT. CANTO   CORNER LAT. PROF. | -                                                    | H-81                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM     | (L1-187)/2<br>(L2-200)/2                             | -                           | 4<br>4             |              |
| JT 72             | PERFIL LIG. CANTO   CONNECT. PROFILE  | -                                                    | H-149                       | 1                  |              |
| AT 30             | CAPA COMPLEM.   COMPLEM. COVER        | L1-1<br>L2-1                                         | -                           | 1<br>1             |              |
| JT 83             | PERFIL PINGADEIRA   DRIP PROFILE      | L1-1<br>L2-1                                         | -                           | 1<br>1             |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER        | -                                                    | H-58                        | 2                  |              |
| JT 87             | GUIA   RAIL                           | L1-43<br>L1-112<br>L2-43<br>L2-112                   | -                           | 1<br>1<br>1<br>1   |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT    | -                                                    | H-81                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE          | L1-38<br>L2-38                                       | H-41                        | 2<br>2 + 2         |              |
| 215303            | PERFIL PVC T   T PVC PROFILE          | (L1-122)/2<br>(L1-230)/2<br>(L2-134)/2<br>(L2-218)/2 | H-44                        | 1<br>1 + 2<br>1    |              |

| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L1 + 6H<br>4L2    |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L1 + 2H<br>2L2    |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L1 + 8H<br>2L2    |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 9H                 |
| 208479              | JUNTA TAPA CANAL PERFIL LIG. 2117 JT   JOINT   | H                  |
| 208435              | JUNTA VD 2415 PRT   JOINT                      | H                  |

| ACESSÓRIOS   ACCESSORIES |                                                                           |                      |
|--------------------------|---------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                 | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                               | 8                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                                | 4                    |
| 213287                   | CORTA-VENTO CANTO 90° JT   CORNER INSULATION GASKET                       | 2                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT   | 4                    |
| 204164                   | ESQUADRO JT 12x9.5   CORNER CLEAT                                         | 8                    |
| 212243                   | CONJ. UNIÃO CANTO 90° JT   90° CORNER UNION KIT                           | 1                    |
| 204389                   | ESQUADRO INOX CANTO 90°   90° CORNER                                      | 2                    |
| 213246                   | CANTO CR S/SB   CORNER                                                    | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                                | 4                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                 | 4                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                       | 4                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                            | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                   | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                      | 4                    |
| 000000                   | CONJ. TOPOS CANTO 90° JT   90° CORNER END-CAPS KIT                        | 1                    |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                     | 6                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                    | 6                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPPOINT HARDWARE           | 3                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                 | 6                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT        | 6                    |
| 218154                   | CALÇO P/ C.-FECHO PERF. LIG   CONNECTING PROFILE LOCKING PLATE SHIM       | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPPOINT HARDWARE SHIM                    | 18                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPPOINT HARDWARE FIXATION KIT                      | 18                   |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPPOINT HARDWARE FIXATION KIT | DIVERSOS<br>DIVERSES |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                  | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                  | 2                    |
| 212341                   | CONJ. TOPOS LAT. PINGADEIRA   DRIP PROFILE LAT. END-CAPS KIT              | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                                 | 2                    |
| 290472                   | PARAF. AT/PF CQ Ø3.9x19MM   SCREW                                         | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                          | 32                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM             | 8                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 4 larguras de folha distintas, identificadas como Lf1, Lf2, Lf3 e Lf4.  
The formulas were designed for glasses and transoms with equal measures. In this typology there are 4 distinct leaf widths, identified as Lf1, Lf2, Lf3 and Lf4.

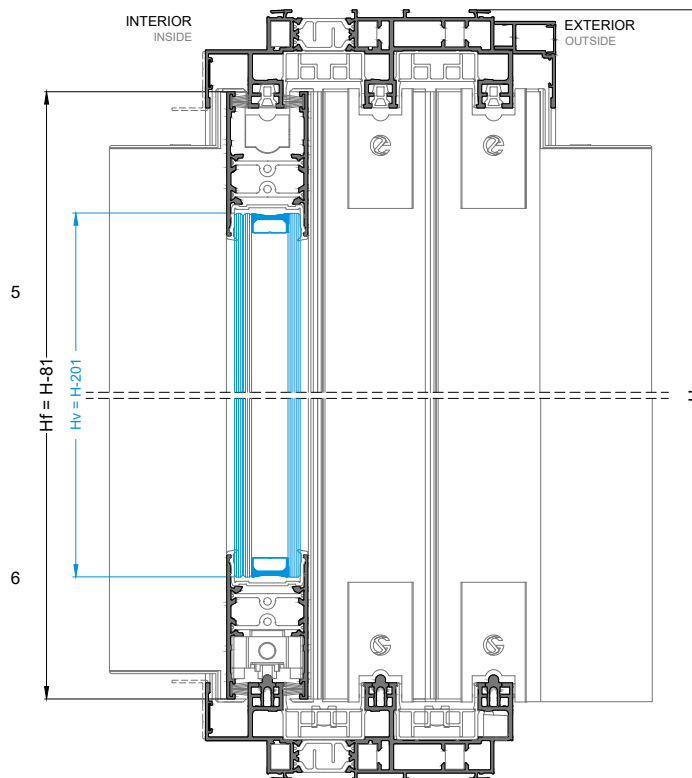
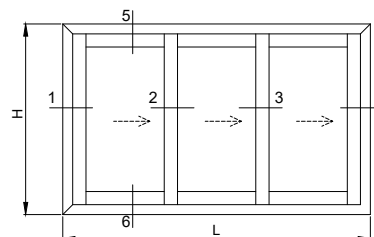
# JANELA / PORTA DE CORRER 3 FOLHAS - PERFIL FR 3RAIL

## 3 LEAVES SLIDING WINDOW / DOOR - 3RAIL FR PROFILE

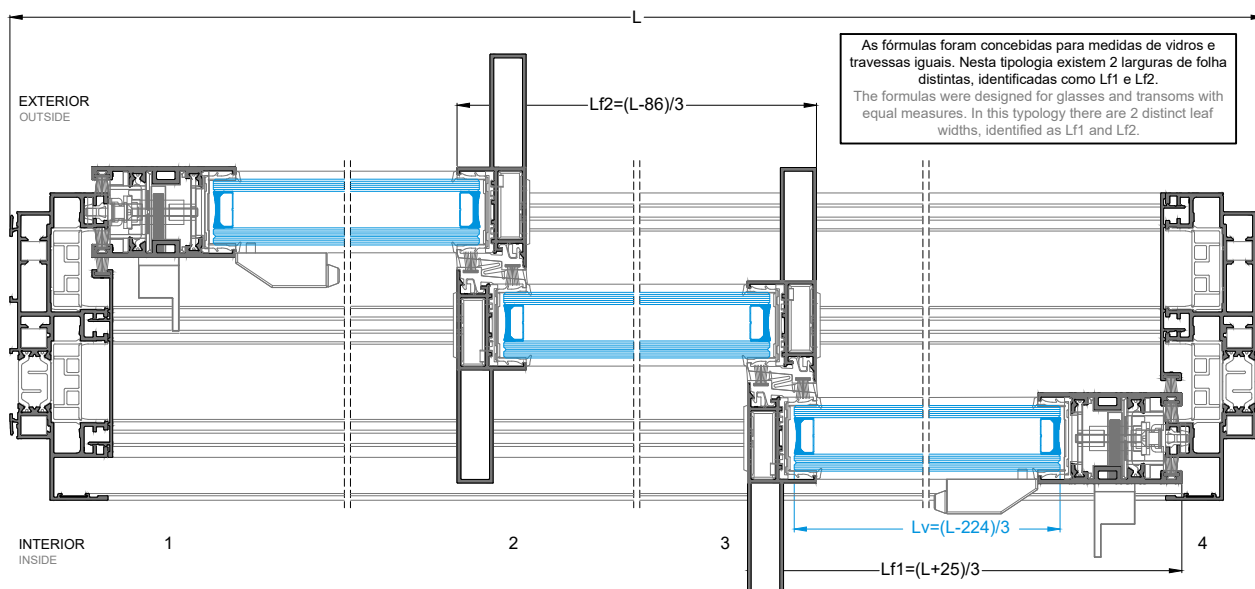
| PERFIS   PROFILES |                                    |                                |                             |                    |              |
|-------------------|------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 03             | ARO FIXO   FIXED FRAME             | L                              | H                           | 2 + 2              |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-81                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                              | H-81                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM   | (L-209)/3                      | -                           | 6                  |              |
| AT 30             | CAPA COMPLEM.   COMPLEM. COVER     | L-44                           | -                           | 1                  |              |
| JT 83             | PERFIL PINGADEIRA   DRIP PROFILE   | L-44                           | -                           | 1                  |              |
| JT 88             | CAPA COMPLEM.   COMPLEM. COVER     | -                              | H-58                        | 2                  |              |
| JT 87             | GUIA   RAIL                        | L-100<br>L-97                  | -                           | 2<br>1             |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                              | H-81                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | L-41                           | H-41                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | (L-109)/3<br>(2L-298)/3        | H-44                        | 2<br>2             |              |

| ACESSÓRIOS   ACCESSORIES |                                                                         |                      |
|--------------------------|-------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 6                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 4                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 2                    |
| 204164                   | ESQUADRO JT 12x9.5   CORNER CLEAT                                       | 12                   |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                    | 4                    |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                   | 3                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 4                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE          | 2                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 4                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 4                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                   | 12                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                     | 12                   |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                | 1                    |
| 212341                   | CONJ. TOPOS LAT. PINGADEIRA   DRIP PROFILE LAT. END-CAPS KIT            | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                               | 2                    |
| 290472                   | PARAF. AT/PF CQ Ø3.9x19MM   SCREW                                       | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                        | 24                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 6                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 6H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 3L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 6H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |



# JANELA / PORTA DE CORRER 1 FOLHA DE EMBUTIR - PERFIL FR 2RAIL

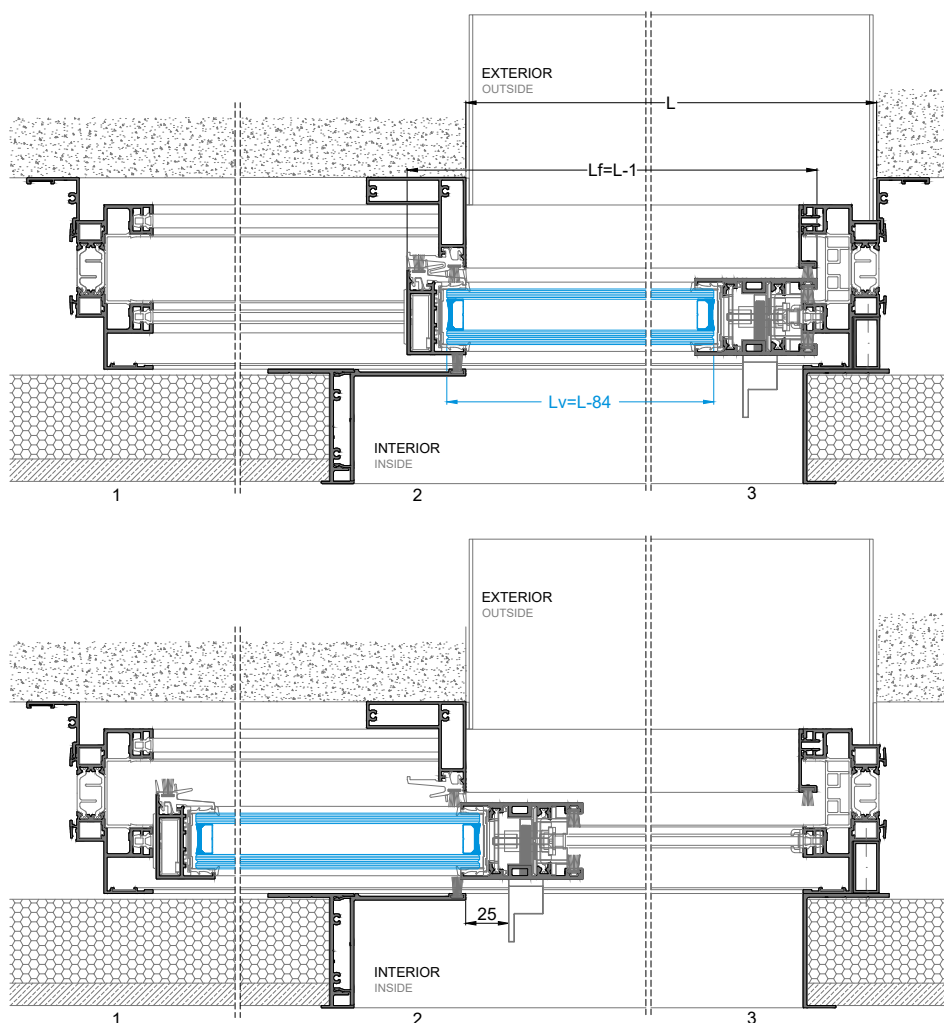
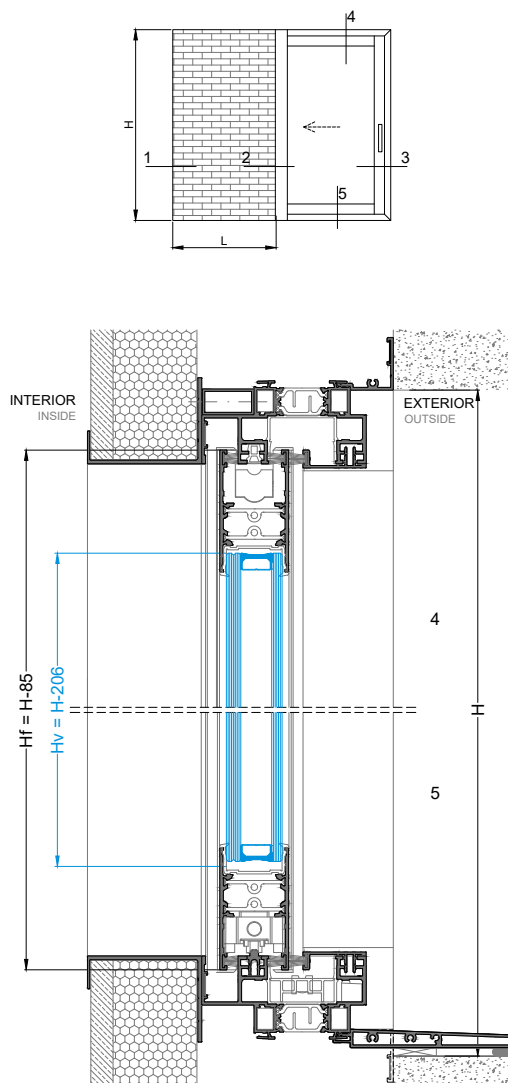
## 1 LEAF HIDDEN SLIDING WINDOW / DOOR - 2RAIL FR PROFILE

| PERFIS   PROFILES |                                    |                                |                             |                    |              |
|-------------------|------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 02             | ARO FIXO   FIXED FRAME             | 2L-14                          | H-4                         | 2 + 2              |              |
| JT 51             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-85                        | 1                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                              | H-85                        | 1                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM   | L-78                           | -                           | 2                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER     | L-46                           | H-62                        | 2 + 1              |              |
| JT 87             | GUIA   RAIL                        | 2L-111                         | -                           | 1                  |              |
| JT 93             | MONTANTE GALANDAGE   MULLION       | -                              | H-111                       | 1                  |              |
| SO 46             | PERFIL REMATE   FINISHING PROFILE  | -                              | H-101                       | 1                  |              |
| SO 47             | PERFIL REMATE   FINISHING PROFILE  | -                              | H-101                       | 1                  |              |
| SO 48             | PERFIL REMATE   FINISHING PROFILE  | L+91                           | H-1                         | 2 + 1              |              |
| KE 71             | PERFIL REMATE   FINISHING PROFILE  | L-6                            | -                           | 1                  |              |
| KE 90             | PERFIL REMATE   FINISHING PROFILE  | 2L+36<br>L+5                   | H+45                        | 1 + 1              |              |
| KP 32             | PERFIL REMATE   FINISHING PROFILE  | Variável   Variable            |                             | 1                  |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                              | H-85<br>H-111               | 1                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | 2L-55                          | H-45                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | L-45<br>L-91                   | H-48                        | 1 + 1              |              |

| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 6L + H             |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 4L + 3H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 2H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 2H                 |
| 208466              | PELUCIA 7x12 STOP-FIN PRETA   BRUSH GASKET     | H                  |

| ACESSÓRIOS   ACCESSORIES |                                                                         |                      |
|--------------------------|-------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 2                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 2                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 1                    |
| 204164                   | ESQUADRO JT 12x9.5   CORNER CLEAT                                       | 8                    |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 7                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 1                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 1                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 1                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 1                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 1                    |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                   | 3                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 4                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE          | 1                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 2                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                   | 6                    |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                     | 6                    |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                | 1                    |
| 000000                   | CONJ. TOPOS JT93   JT 93 END-CAPS KIT                                   | 1                    |
| 212221                   | CONJ. TAPA TOPOS KE71   RENOVATIO END-CAPS KIT                          | 1                    |
| 212227                   | CONJ. JUNTAS ADES. P/ TOPOS PERFIL SOL. KE71   RENOVATIO END-CAPS KIT   | 1                    |
| 212223                   | CONJ. TOPOS INFERIORES RENOVATIO   RENOVATIO END-CAPS KIT               | 1                    |
| 290472                   | PARAF. AT/PF CQ Ø3.9x19MM   SCREW                                       | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                        | 8                    |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 2                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.





JANELA / PORTA DE CORRER 2 FOLHAS DE EMBUTIR EM CANTO INTERIOR 90° - PERFIL FR 2RAIL  
2 LEAVES HIDDEN SLIDING WINDOW / DOOR IN INNER 90° CORNER - 2RAIL FR PROFILE

| PERFIS   PROFILES                                                                        |                                       |                                      |                             |                    |                                                                                   |
|------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|-----------------------------|--------------------|-----------------------------------------------------------------------------------|
| CÓDIGO<br>CODE                                                                           | DESIGNAÇÃO<br>DESIGNATION             | CORTE HORIZ.<br>HORIZONTAL CUT       | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT                                                                      |
|  JT 02  | ARO FIXO   FIXED FRAME                | 2L1-66<br>2L2-78                     | H-4                         | 2<br>2 + 2         |  |
|  JT 51  | PERFIL CENTRAL   CENTRAL PROFILE      | -                                    | H-85                        | 2                  |  |
|  JT 62  | PERFIL LAT. CANTO   CORNER LAT. PROF. | -                                    | H-85                        | 2                  |  |
|  JT 63  | TRAVESSA SUP/INF   UP/LOW TRANSOM     | L1-125<br>L2-137                     | -                           | 2<br>2             |  |
|  JT 72  | PERFIL LIG. CANTO   CONNECT. PROFILE  | -                                    | H-154                       | 1                  |  |
|  JT 85  | CAPA COMPLEM.   COMPLEM. COVER        | L1-1<br>L2-1                         | -                           | 2<br>2             |  |
|  JT 87  | GUIA   RAIL                           | 2L1-120<br>2L2-188                   | -                           | 1<br>1             |  |
|  JT 93  | MONTANTE GALANDAGE   MULLION          | -                                    | H-111                       | 2                  |  |
|  SO 46  | PERFIL REMATE   FINISHING PROFILE     | -                                    | H-101                       | 1                  |  |
|  SO 47  | PERFIL REMATE   FINISHING PROFILE     | -                                    | H-101                       | 1                  |  |
|  SO 48  | PERFIL REMATE   FINISHING PROFILE     | L1-12<br>L2-12                       | -                           | 1<br>1             |  |
|  KE 71  | PERFIL REMATE   FINISHING PROFILE     | L1+109<br>L2+109                     | -                           | 1<br>1             |  |
|  KE 90  | PERFIL REMATE   FINISHING PROFILE     | 2L1-25<br>L1-41<br>2L2-38<br>L2-53   | H+45                        | 1<br>1 + 2<br>1    |  |
|  KP 32  | PERFIL REMATE   FINISHING PROFILE     | Variável   Variable                  |                             |                    |  |
|  208346 | JUNTA CENTRAL 2196   CENTRAL JOINT    | -                                    | H-85<br>H-111               | 2<br>2             |  |
|  215305 | PERFIL PVC U   U PVC PROFILE          | 2L1-103<br>2L2-116                   | H-45                        | 2 + 2<br>2 + 2     |  |
|  215303 | PERFIL PVC T   T PVC PROFILE          | L1-123<br>L1-137<br>L2-123<br>L2-150 | -                           | 1<br>1<br>1<br>1   |  |

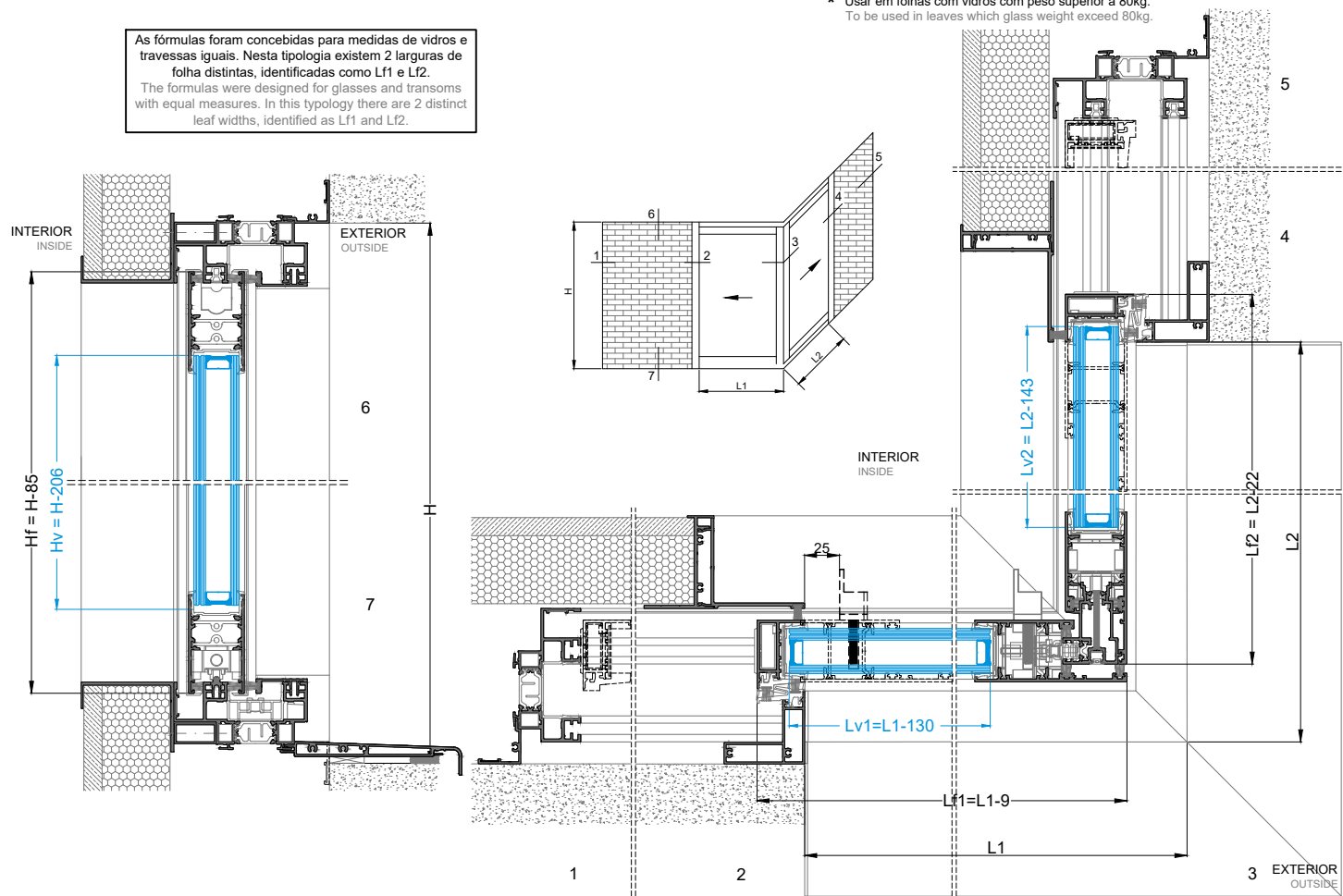
| VEDANTES   SEALANTS                                                                        |                                                |                 |  |
|--------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|--|
| CODIGO                                                                                     | DESIGNAÇÃO                                     | QUANT           |  |
| CODE                                                                                       | DESIGNATION                                    | QUANTITY        |  |
|  208304   | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 6L1<br>6L2 + 4H |  |
|  208348   | JUNTA TAPA CANAL 2116 JT   JOINT               | 4L1<br>4L2 + 4H |  |
|  208099   | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L1 + 4H<br>2L2 |  |
|  208307  | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 5H              |  |
|  208479 | JUNTA TAPA CANAL PERFIL LIG. 2117 JT   JOINT   | H               |  |
|  208435 | JUNTA VD 2415 PRT   JOINT                      | H               |  |
|  208466 | PELUCIA 7x12 STOP-FIN PRETA   BRUSH GASKET     | 2H              |  |

| ACESSÓRIOS   ACCESSORIES |                                                                           |                      |
|--------------------------|---------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                 | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                               | 4                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                                | 4                    |
| 213287                   | CORTA-VENTO CANTO 90º JT   CORNER INSULATION GASKET                       | 2                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT   | 4                    |
| 204164                   | ESQUADRO JT 12x9,5   CORNER CLEAT                                         | 8                    |
| 212243                   | CONJ. UNIÃO CANTO 90º JT   90º CORNER UNION KIT                           | 1                    |
| 204389                   | ESQUADRO INOX CANTO 90º   90º CORNER                                      | 2                    |
| 213246                   | CANTO CR S/SB   CORNER                                                    | 10                   |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                                | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                 | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                       | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                            | 2                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                   | 2                    |
| 000000                   | CONJ. TOPOS CANTO 90º JT   90º CORNER END-CAPS KIT                        | 1                    |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                     | 6                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                    | 6                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPPOINT HARDWARE           | 1                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                 | 2                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT        | 2                    |
| 218154                   | CALÇO P/ C.-FECHO PERF. LIG   CONNECTING PROFILE LOCKING PLATE SHIM       | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPPOINT HARDWARE SHIM                    | 6                    |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPPOINT HARDWARE FIXATION KIT                      | 6                    |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPPOINT HARDWARE FIXATION KIT | DIVERSOS<br>DIVERSES |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                  | 1                    |
| 000000                   | CONJ. TOPOS JT93   JT 93 END-CAPS KIT                                     | 2                    |
| 212221                   | CONJ. TAPA TOPOS KE71   RENOVIATIO END-CAPS KIT                           | 1                    |
| 212227                   | CONJ. JUNTAS ADES. P/ TOPOS PERFIL SOL. KE71   RENOVIATIO END-CAPS KIT    | 1                    |
| 212223                   | CONJ. TOPOS INFERIORES RENOVIATIO   RENOVIATIO END-CAPS KIT               | 1                    |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                          | 16                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM             | 4                    |

As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 2 larguras de folha distintas, identificadas como Lf1 e Lf2.

The formulas were designed for glasses and transoms with equal measures. In this typology there are 2 distinct leaf widths, identified as Lf1 and Lf2.

\* Usar em folhas com vidros com peso superior a 80kg.



# JANELA / PORTA DE CORRER 2 FOLHAS DE EMBUTIR - PERFIL FR 3RAIL

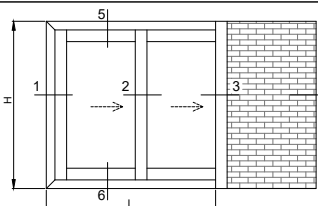
## 2 LEAVES HIDDEN SLIDING WINDOW / DOOR - 3RAIL FR PROFILE

| PERFIS   PROFILES |                                    |                                      |                             |                    |              |
|-------------------|------------------------------------|--------------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT       | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 03             | ARO FIXO   FIXED FRAME             | (3L+108)/2                           | H-4                         | 2 + 2              |              |
| JT 51             | PERFIL CENTRAL   CENTRAL PROFILE   | -                                    | H-85                        | 2                  |              |
| JT 53             | PERFIL CENTRAL   CENTRAL PROFILE   | -                                    | H-85                        | 1                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                                    | H-85                        | 1                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM   | (L-86)/2                             | -                           | 4                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER     | L-46                                 | -                           | 1                  |              |
| JT 88             | CAPA COMPLEM.   COMPLEM. COVER     | -                                    | H-62                        | 1                  |              |
| JT 87             | GUIA   RAIL                        | (3L-92)/2<br>(3L-86)/2               | -                           | 1<br>1             |              |
| JT 93             | MONTANTE GALANDAGE   MULLION       | -                                    | H-111                       | 1                  |              |
| SO 46             | PERFIL REMATE   FINISHING PROFILE  | -                                    | H-101                       | 1                  |              |
| SO 47             | PERFIL REMATE   FINISHING PROFILE  | -                                    | H-101                       | 1                  |              |
| SO 48             | PERFIL REMATE   FINISHING PROFILE  | L+91                                 | H-1                         | 2 + 1              |              |
| KE 71             | PERFIL REMATE   FINISHING PROFILE  | L-6                                  | -                           | 1                  |              |
| KE 90             | PERFIL REMATE   FINISHING PROFILE  | (3L+208)/2<br>(L+147)/2              | H+45                        | 1 + 1              |              |
| KP 32             | PERFIL REMATE   FINISHING PROFILE  | Variável   Variable                  |                             |                    |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                                    | H-85<br>H-111               | 3<br>1             |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | (3L+26)/2                            | H-45                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | L-46<br>(L-18)/2<br>(L-45)/2<br>L-59 | H-44                        | 1<br>1<br>1<br>1   |              |

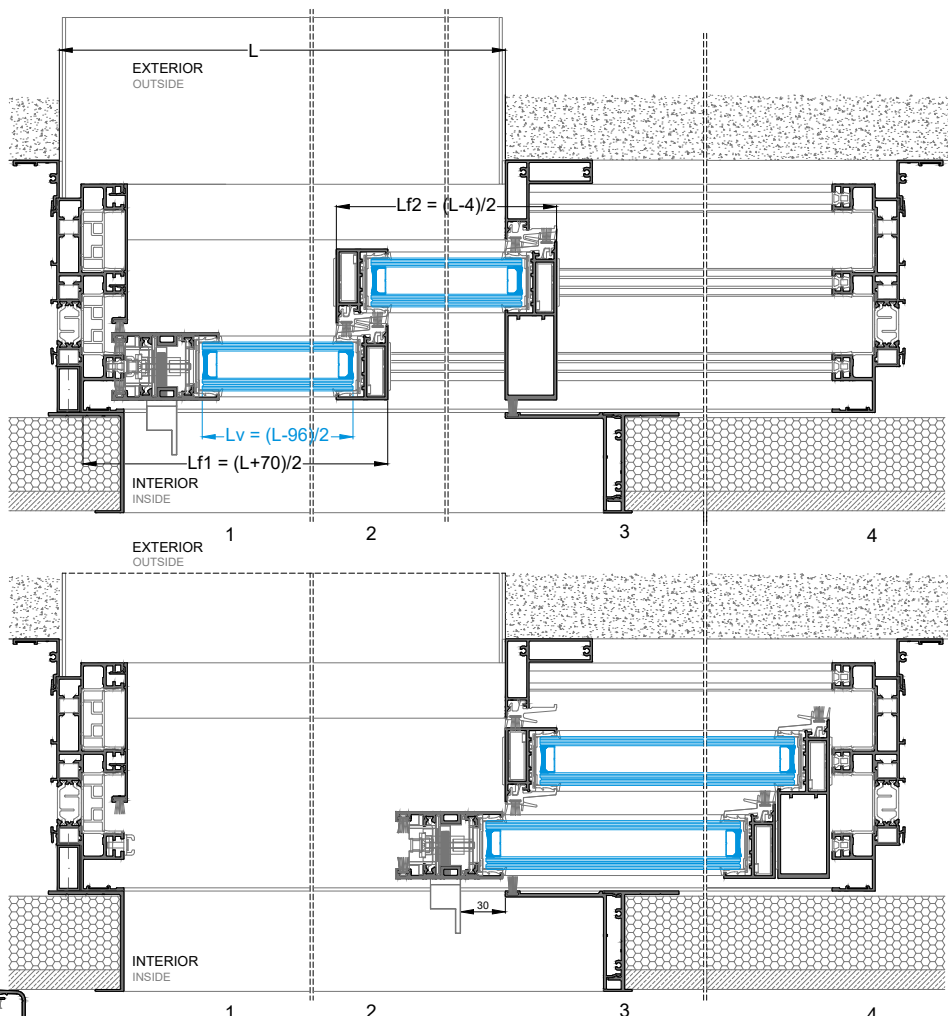
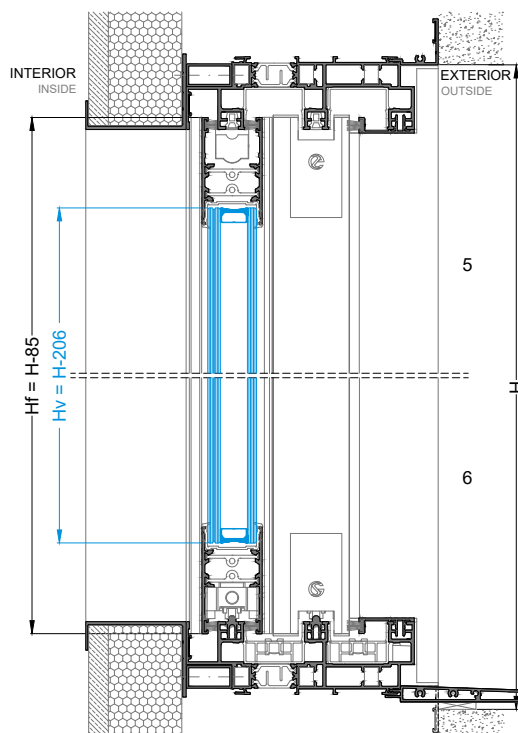
| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 2L + 6H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 6L + 4H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 4H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 7H                 |
| 208466              | PELUCIA 7x12 STOP-FIN PRETA   BRUSH GASKET     | H                  |

| ACESSÓRIOS   ACCESSORIES |                                                                         |                    |
|--------------------------|-------------------------------------------------------------------------|--------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 4                  |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 4                  |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 2                  |
| 204164                   | ESQUADRO JT 12x9.5   CORNER CLEAT                                       | 12                 |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 7                  |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 1                  |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 1                  |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 1                  |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 3                  |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 3                  |
| 212340                   | CONJ. TOPOS CENTRAL REFORÇADO   REINFORCED CENTRAL PROF. END-CAPS KIT   | 1                  |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                   | 3                  |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 6                  |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE          | 1                  |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 2                  |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 2                  |
| 218198                   | CONJ. P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                   | 6                  |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                     | 6                  |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                | 1                  |
| 000000                   | CONJ. TOPOS JT93   JT 93 END-CAPS KIT                                   | 1                  |
| 212221                   | CONJ. TAPA TOPOS KE71   RENOVATIO END-CAPS KIT                          | 2                  |
| 212227                   | CONJ. JUNTAS ADES. P/ TOPOS PERFIL SOL. KE71   RENOVATIO END-CAPS KIT   | 1                  |
| 212223                   | CONJ. TOPOS INFERIORES RENOVATIO   RENOVATIO END-CAPS KIT               | 1                  |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                        | 32                 |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 4                  |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 2 larguras de folha distintas, identificadas como Lf1 e Lf2.  
The formulas were designed for glasses and transoms with equal measures. In this typology there are 2 distinct leaf widths, identified as Lf1 and Lf2.



# JANELA / PORTA DE CORRER 2 FOLHAS DE EMBUTIR COM LIGAÇÃO CENTRAL - PERFIL FR 2RAIL

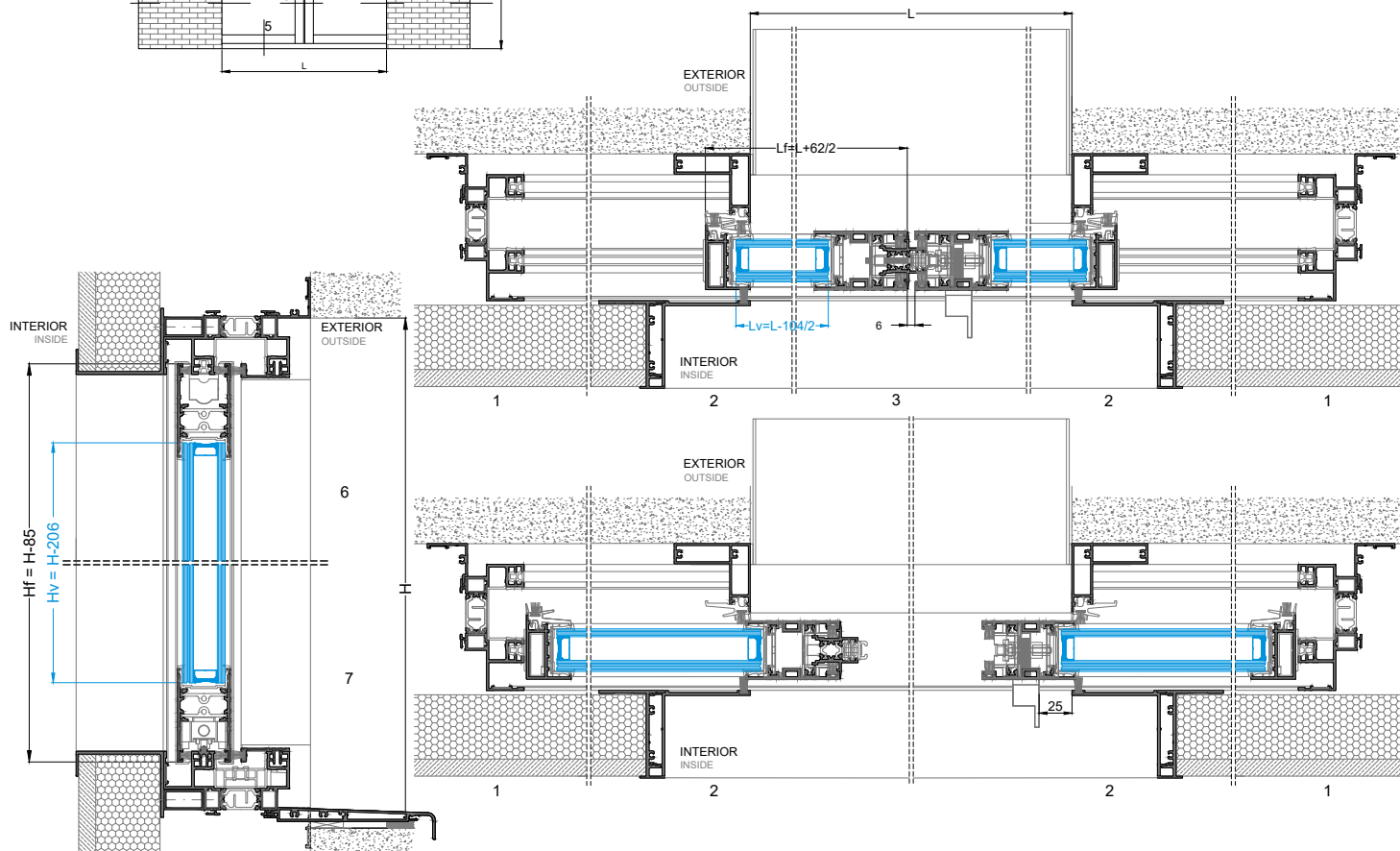
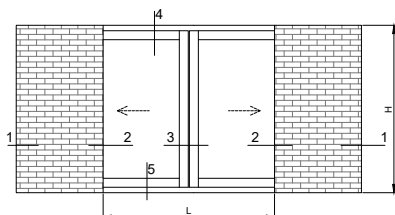
## 2 LEAVES HIDDEN SLIDING WINDOW / DOOR WITH CENTRAL CONNECTION - 2RAIL FR PROFILE

| PERFIS   PROFILES |                                     |                                |                             |                    |              |
|-------------------|-------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION           | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 02             | ARO FIXO   FIXED FRAME              | 2L+25                          | H-4                         | 2 + 2              |              |
| JT 51             | PERFIL CENTRAL   CENTRAL PROFILE    | -                              | H-85                        | 2                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE    | -                              | H-85                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM    | (L-94)/2                       | -                           | 4                  |              |
| JT 71             | PERFIL LIGAÇÃO   CONNECTION PROFILE | -                              | H-154                       | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER      | L-1                            | -                           | 2                  |              |
| JT 87             | GUIA   RAIL                         | 2L-73                          | -                           | 1                  |              |
| JT 93             | MONTANTE GALANDAGE   MULLION        | -                              | H-111                       | 2                  |              |
| SO 46             | PERFIL REMATE   FINISHING PROFILE   | -                              | H-101                       | 2                  |              |
| SO 47             | PERFIL REMATE   FINISHING PROFILE   | -                              | H-101                       | 2                  |              |
| SO 48             | PERFIL REMATE   FINISHING PROFILE   | L+158                          | H-1                         | 2                  |              |
| KE 71             | PERFIL REMATE   FINISHING PROFILE   | L-6                            | -                           | 1                  |              |
| KE 90             | PERFIL REMATE   FINISHING PROFILE   | 2L+75<br>(L+75)/2              | H+45                        | 2 + 2<br>2         |              |
| KP 32             | PERFIL REMATE   FINISHING PROFILE   | Variável   Variable            |                             |                    |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT  | -                              | H-85<br>H-111               | 2<br>2             |              |
| 215305            | PERFIL PVC U   U PVC PROFILE        | 2L-16                          | H-45                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE        | (L-96)/2<br>(L-118)/2          | -                           | 2<br>2             |              |

| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 6L + 2H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 4L + 4H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 4L + 4H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |
| 208466              | PELUCIA 7x12 STOP-FIN PRETA   BRUSH GASKET     | H                  |

| ACESSÓRIOS   ACCESSORIES |                                                                            |                      |
|--------------------------|----------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                  | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                                | 4                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                                 | 6                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT    | 3                    |
| 204164                   | ESQUADRO JT 12x9.5   CORNER CLEAT                                          | 8                    |
| 213246                   | CANTO CR S/SB   CORNER                                                     | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                                 | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                  | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                        | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                             | 2                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                    | 2                    |
| 000000                   | CONJ. TOPOS LIG. 2 FOLHAS JT   2 LEAVES CONNECTING END-CAPS KIT            | 1                    |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                      | 6                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                     | 4                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE             | 1                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                  | 2                    |
| 218154                   | CALÇO P/ C.-FECHO PERF. LIG   CONNECTION PROFILE COUNTER-LOCL BRACKET SHIM | 2                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT         | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                      | 6                    |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                        | 6                    |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPOINT HARDWARE FIXATION KIT   | DIVERSOS<br>DIVERSES |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                   | 1                    |
| 000000                   | CONJ. TOPOS JT93   JT 93 END-CAPS KIT                                      | 2                    |
| 212221                   | CONJ. TAPA TOPOS KE71   RENOVATIO END-CAPS KIT                             | 1                    |
| 212227                   | CONJ. JUNTAS ADES. P/ TOPOS PERFIL SOL. KE71   RENOVATIO END-CAPS KIT      | 1                    |
| 212223                   | CONJ. TOPOS INFERIORES RENOVATIO   RENOVATIO END-CAPS KIT                  | 2                    |
| 290158                   | PARAF P/ PH 1 1/2X10 CQ   SCREW                                            | 16                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM              | 4                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.





# JANELA / PORTA DE CORRER 4 FOLHAS DE EMBUTIR COM LIGAÇÃO CENTRAL - PERFIL FR 2RAIL

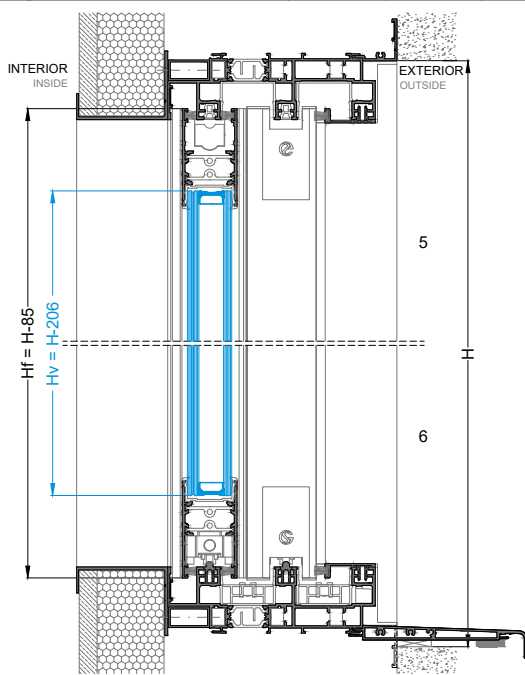
## 4 LEAVES HIDDEN SLIDING WINDOW / DOOR WITH CENTRAL CONNECTION - 2RAIL FR PROFILE

| PERFIS   PROFILES |                                     |                                                 |                             |                    |              |
|-------------------|-------------------------------------|-------------------------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION           | CORTE HORIZ.<br>HORIZONTAL CUT                  | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 03             | ARO FIXO   FIXED FRAME              | $(3L+257)/2$                                    | H-4                         | 2 + 2              |              |
| JT 51             | PERFIL CENTRAL   CENTRAL PROFILE    | -                                               | H-85                        | 4                  |              |
| JT 53             | PERFIL CENTRAL   CENTRAL PROFILE    | -                                               | H-85                        | 2                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE    | -                                               | H-85                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM    | $(L-107)/4$                                     | -                           | 8                  |              |
| JT 71             | PERFIL LIGAÇÃO   CONNECTION PROFILE | -                                               | H-154                       | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER      | $(L-76)/4$                                      | -                           | 4                  |              |
| JT 88             | CAPA COMPLEM.   COMPLEM. COVER      | $(L+72)/2$                                      | -                           | 2                  |              |
| JT 87             | GUIA   RAIL                         | $(3L+61)/2$                                     | -                           | 2                  |              |
| JT 93             | MONTANTE GALANDAGE   MULLION        | -                                               | H-111                       | 2                  |              |
| SO 46             | PERFIL REMATE   FINISHING PROFILE   | -                                               | H-101                       | 2                  |              |
| SO 47             | PERFIL REMATE   FINISHING PROFILE   | -                                               | H-101                       | 2                  |              |
| SO 48             | PERFIL REMATE   FINISHING PROFILE   | L+158                                           | H-1                         | 2                  |              |
| KE 71             | PERFIL REMATE   FINISHING PROFILE   | L-6                                             | -                           | 1                  |              |
| KE 90             | PERFIL REMATE   FINISHING PROFILE   | $(3L+357)/2$<br>$(L+357)/4$                     | H+45                        | 2<br>2 + 2         |              |
| KP 32             | PERFIL REMATE   FINISHING PROFILE   | Variável   Variable                             |                             |                    |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT  | -                                               | H-85<br>H-111               | 2<br>2             |              |
| 215305            | PERFIL PVC U   U PVC PROFILE        | $(3L+175)/2$                                    | H-45                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE        | $(L-54)/2$<br>$(L-112)/4$<br>$(L-27)/4$<br>L-31 | -                           | 2<br>2<br>2<br>1   |              |

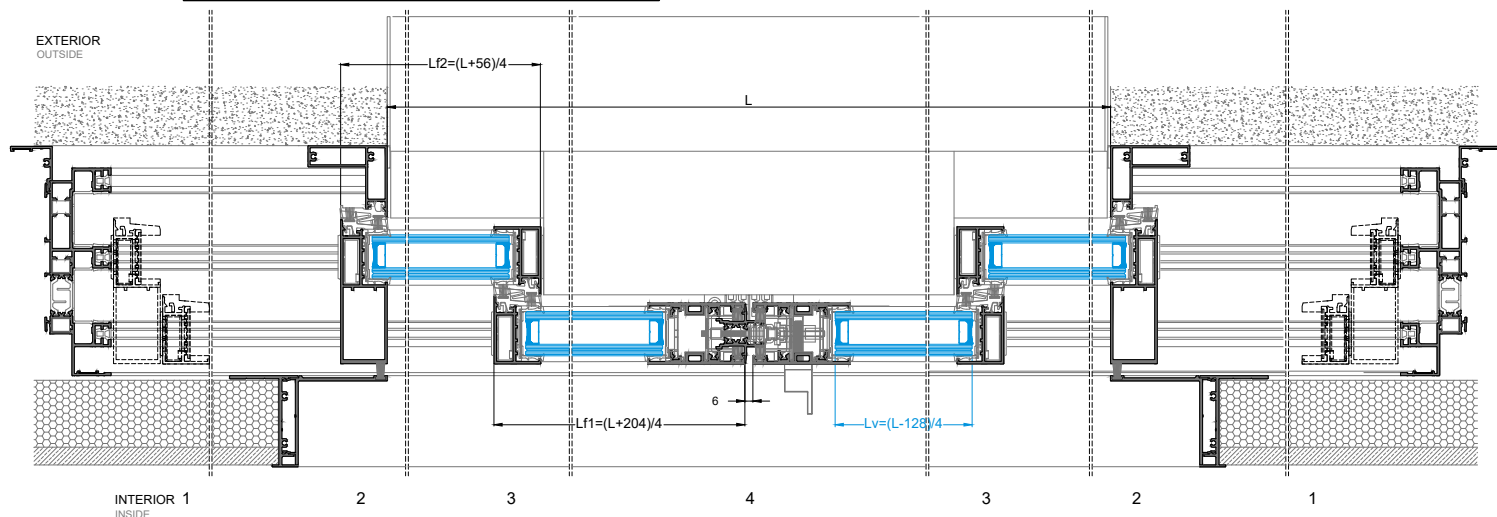
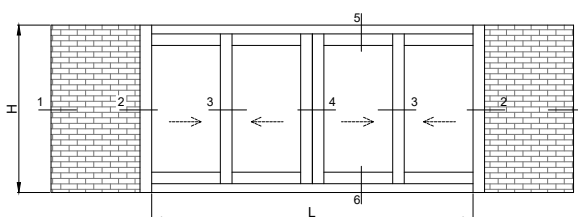
| ACESSÓRIOS   ACCESSORIES |                                                                           |                      |
|--------------------------|---------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                 | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                               | 8                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                                | 10                   |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT   | 5                    |
| 204164                   | ESQUADRO JT 12x9.5   CORNER CLEAT                                         | 8                    |
| 213246                   | CANTO CR S/SB   CORNER                                                    | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                                | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                 | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                       | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                            | 6                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                   | 6                    |
| 212340                   | CONJ. TOPOS CENTRAL REFORÇADO   REINFORCED CENTRAL PROF. END-CAPS KIT     | 2                    |
| 000000                   | CONJ. TOPOS LIG. 2 FOLHAS JT   2 LEAVES CONNECTING END-CAPS KIT           | 1                    |
| 210269                   | GOTEIRA OCULTA C/ VALV. SV-C13   DRIP                                     | 6                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                    | 4                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE            | 1                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                 | 2                    |
| 218154                   | CALÇO P/ C-FECHO PERF. LIG   CONNECTION PROFILE COUNTER-LOCL BRACKET SHIM | 2                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT        | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                     | 6                    |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                       | 6                    |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPOINT HARDWARE FIXATION KIT  | DIVERSOS<br>DIVERSES |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                  | 1                    |
| 000000                   | CONJ. TOPOS JT93   JT 93 END-CAPS KIT                                     | 2                    |
| 212221                   | CONJ. TAPA TOPOS KE71   RENOVATIO END-CAPS KIT                            | 1                    |
| 212227                   | CONJ. JUNTAS ADES. P/ TOPOS PERFIL SOL. KE71   RENOVATIO END-CAPS KIT     | 1                    |
| 212223                   | CONJ. TOPOS INFERIORES RENOVATIO   RENOVATIO END-CAPS KIT                 | 2                    |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                          | 16                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM             | 4                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.

| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 10L + 8H           |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 4L + 6H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 4L + 8H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |
| 208466              | PELUCIA 7x12 STOP-FIN PRETA   BRUSH GASKET     | 4H                 |



As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 2 larguras de folha distintas, identificadas como Lf1 e Lf2.  
The formulas were designed for glasses and transoms with equal measures. In this typology there are 2 distinct leaf widths, identified as Lf1 and Lf2.



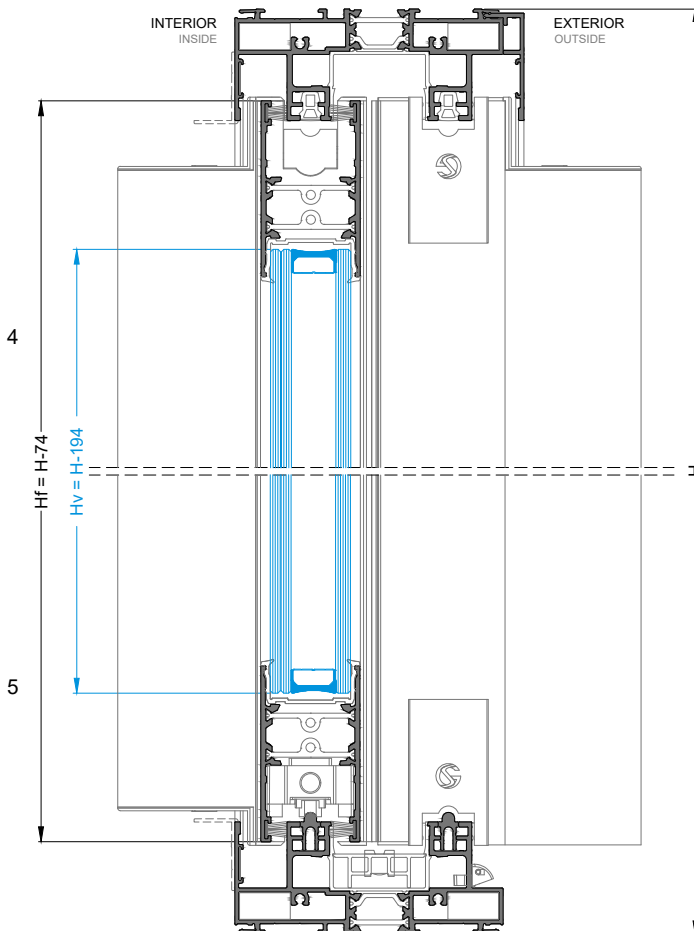
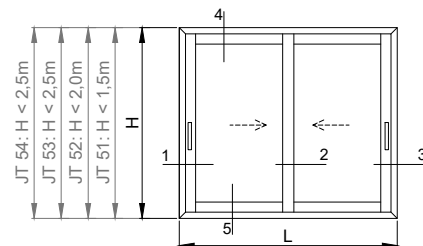


## JANELA / PORTA DE CORRER 2 FOLHAS - PERFIL PT 2RAIL 2 LEAVES SLIDING WINDOW / DOOR - 2RAIL PT PROFILE

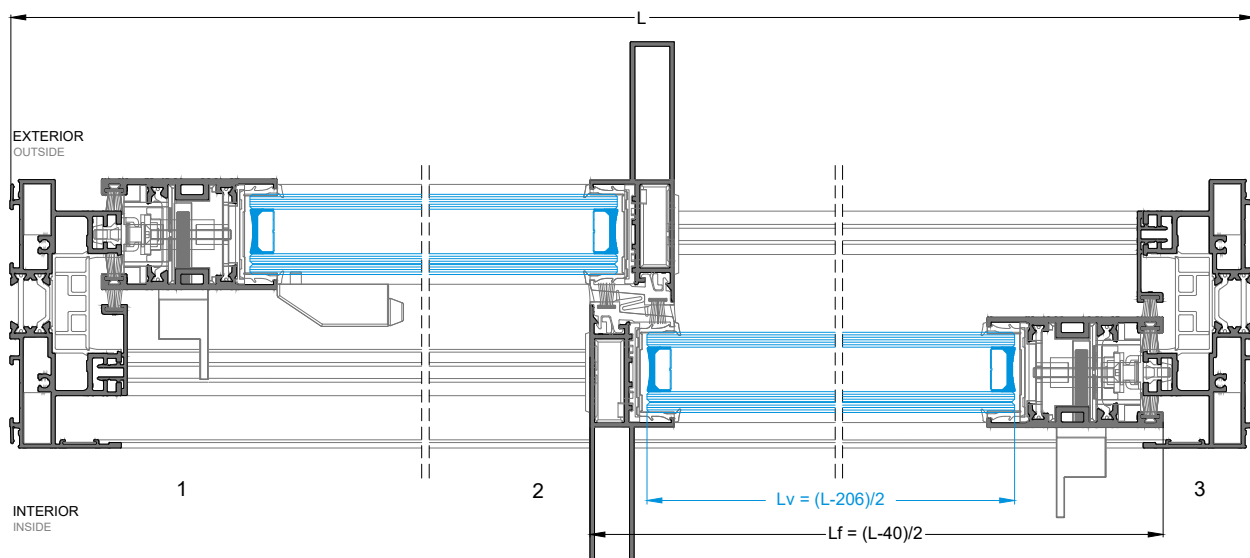
| PERFIS   PROFILES |                                    |                                |                             |                    |              |
|-------------------|------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | ARO FIXO   FIXED FRAME             | L                              | H                           | 2 + 2              |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-74                        | 2                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                              | H-74                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM   | (L-196)/2                      | -                           | 4                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE   | L-4                            | -                           | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER     | -                              | H-51                        | 2                  |              |
| JT 87             | GUIA   RAIL                        | L-93                           | -                           | 2                  |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                              | H-74                        | 2                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | L-34                           | H-34                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | (L-130)/2                      | H-37                        | 2 + 2              |              |

| ACESSÓRIOS   ACCESSORIES |                                                                         |                    |
|--------------------------|-------------------------------------------------------------------------|--------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 4                  |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 2                  |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 1                  |
| 000000                   | ESQUADRO JT 11x20.5   CORNER CLEAT                                      | 8                  |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 4                  |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 2                  |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 2                  |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 2                  |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 2                  |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 2                  |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                    | 2                  |
| 210268                   | GOTEIRA C/ VALV. SVE   DRIP                                             | 3                  |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 4                  |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONTO HARDWARE          | 2                  |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 4                  |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 4                  |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONTO HARDWARE SHIM                   | 12                 |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONTO HARDWARE FIXATION KIT                     | 12                 |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                | 1                  |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                | 1                  |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                               | 1                  |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                        | 16                 |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 4                  |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 4H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 4H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |



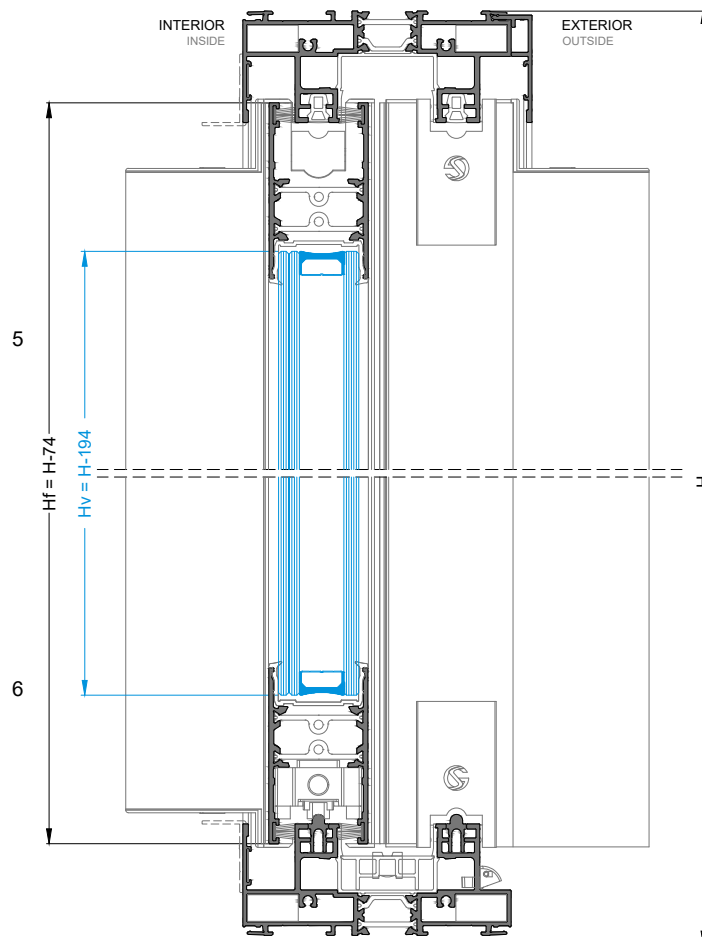
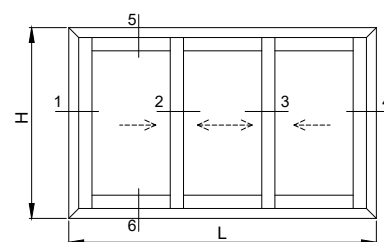
# JANELA / PORTA DE CORRER 3 FOLHAS - PERFIL PT 2RAIL

## 3 LEAVES SLIDING WINDOW / DOOR - 2RAIL PT PROFILE

| PERFIS   PROFILES |                                    |                                |                             |                    |              |
|-------------------|------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | ARO FIXO   FIXED FRAME             | L                              | H                           | 2 + 2              |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-74                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                              | H-74                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM  | (L-202)/3                      | -                           | 6                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE   | L-4                            | -                           | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER     | -                              | H-51                        | 2                  |              |
| JT 87             | GUIA   RAIL                        | L-96<br>L-90                   | -                           | 1                  |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                              | H-74                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | L-34                           | H-34                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | (L-103)/3<br>(L-377)/3         | H-37                        | 2<br>1 + 2         |              |

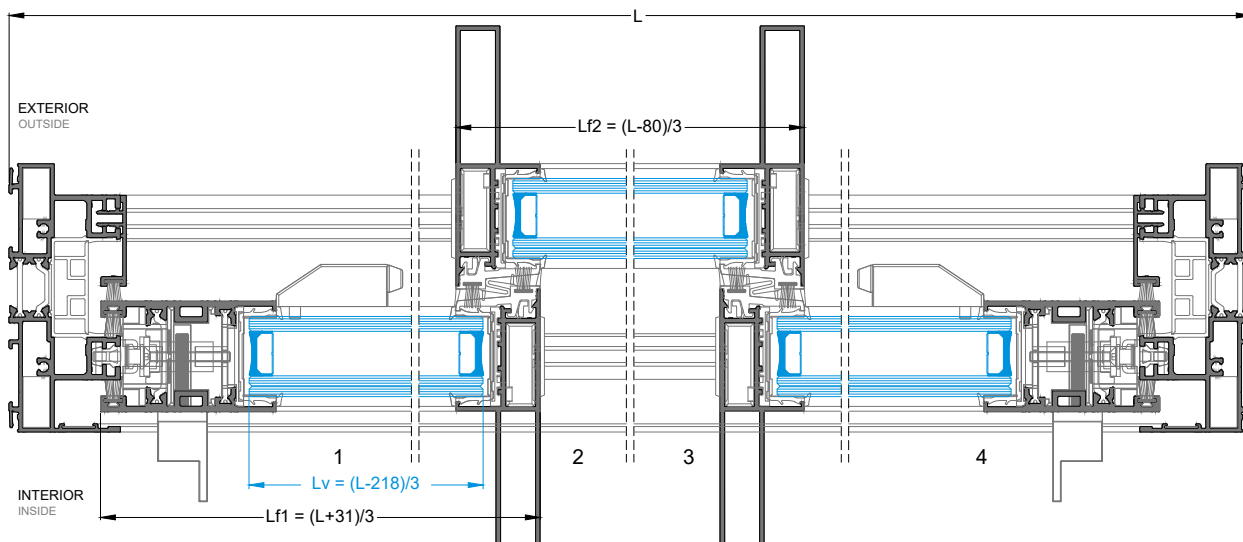
| ACESSÓRIOS   ACCESSORIES |                                                                         |                    |
|--------------------------|-------------------------------------------------------------------------|--------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 6                  |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 4                  |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 2                  |
| 000000                   | ESQUADRO JT 11x20.5   CORNER CLEAT                                      | 8                  |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 4                  |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 2                  |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 2                  |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 2                  |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 4                  |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 4                  |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                    | 4                  |
| 210268                   | GOTEIRA C/ VALV. SVE   DRIP                                             | 3                  |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 8                  |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONTO HARDWARE          | 2                  |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 4                  |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 4                  |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONTO HARDWARE SHIM                   | 12                 |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONTO HARDWARE FIXATION KIT                     | 12                 |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                | 1                  |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                | 1                  |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                               | 2                  |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                        | 24                 |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 6                  |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 6H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 6H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |

As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 2 larguras de folha distintas, identificadas como Lf1 e Lf2.  
The formulas were designed for glasses and transoms with equal measures. In this typology there are 2 distinct leaf widths, identified as Lf1 and Lf2.



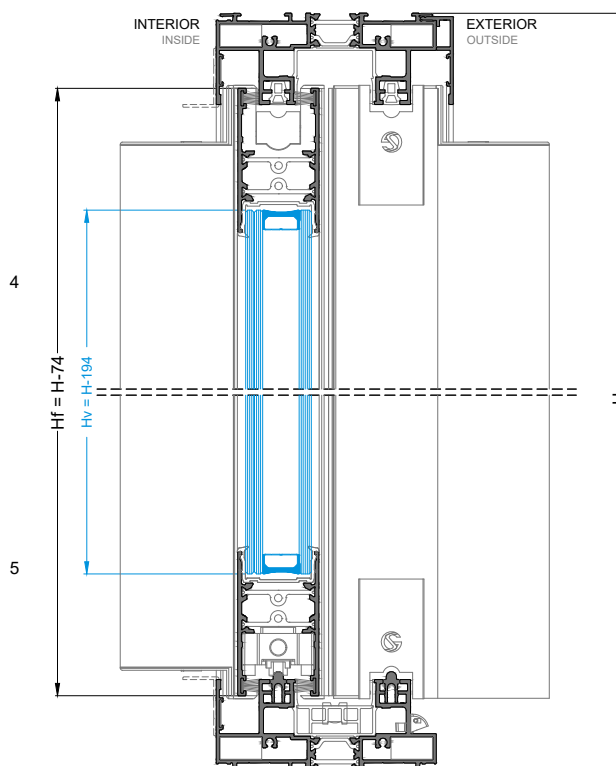
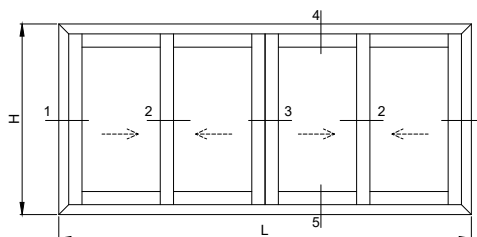
# JANELA / PORTA DE CORRER 4 FOLHAS COM LIGAÇÃO CENTRAL - PERFIL PT 2RAIL

## 4 LEAVES SLIDING WINDOW / DOOR WITH CENTRAL CONNECTION - 2RAIL PT PROFILE

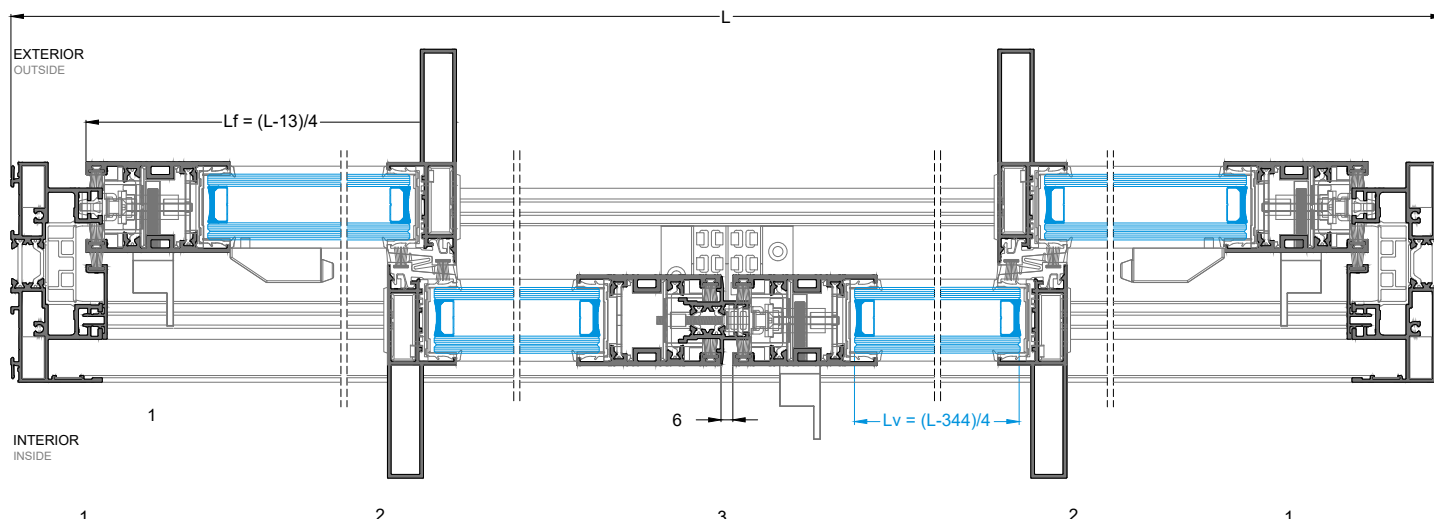
| PERFIS   PROFILES |                                     |                                |                             |                    |              |
|-------------------|-------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION           | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | ARO FIXO   FIXED FRAME              | L                              | H                           | 2 + 2              |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE    | -                              | H-74                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE    | -                              | H-74                        | 4                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM   | (L-324)/4                      | -                           | 8                  |              |
| JT 71             | PERFIL LIGAÇÃO   CONNECTION PROFILE | -                              | H-142                       | 1                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE    | L-4                            | -                           | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER      | -                              | H-51                        | 2                  |              |
| JT 87             | GUIA   RAIL                         | L-96<br>L-90                   | -                           | 1                  |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT  | -                              | H-74                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE        | L-34                           | H-34                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE        | (L-198)/2<br>(L-348)/4         | H-37                        | 2 + 2              |              |

| ACESSÓRIOS   ACCESSORIES |                                                                           |                      |
|--------------------------|---------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                 | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                               | 8                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                                | 6                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT   | 3                    |
| 000000                   | ESQUADRO JT 11x20.5   CORNER CLEAT                                        | 8                    |
| 213246                   | CANTO CR S/SB   CORNER                                                    | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                                | 4                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                 | 4                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                       | 4                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                            | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                   | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                      | 4                    |
| 000000                   | CONJ. TOPOS LIG. 2 FOLHAS JT   2 LEAVES CONNECTING END-CAPS KIT           | 1                    |
| 210268                   | GOTEIRA C/ VALV. SVE   DRIP                                               | 6                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                    | 4                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE            | 3                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                 | 6                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT        | 6                    |
| 218154                   | CALÇO P/ C-FECHO PERF. LIG   CONNECTING PROFILE COUNTER-LOCK BRACKET SHIM | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                     | 18                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                       | 18                   |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPOINT HARDWARE FIXATION KIT  | DIVERSOS<br>DIVERSES |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                  | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                  | 2                    |
| 212341                   | CONJ. TOPOS LAT. PINGADEIRA   DRIP PROFILE LAT. END-CAPS KIT              | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                                 | 2                    |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                          | 32                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM             | 8                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 6H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 8H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 8H                 |
| 208479              | JUNTA TAPA CANAL PERFIL LIG. 2117 JT   JOINT   | H                  |



# JANELA / PORTA DE CORRER 4 FOLHAS EM CANTO EXTERIOR 90° - PERFIL PT 2RAIL

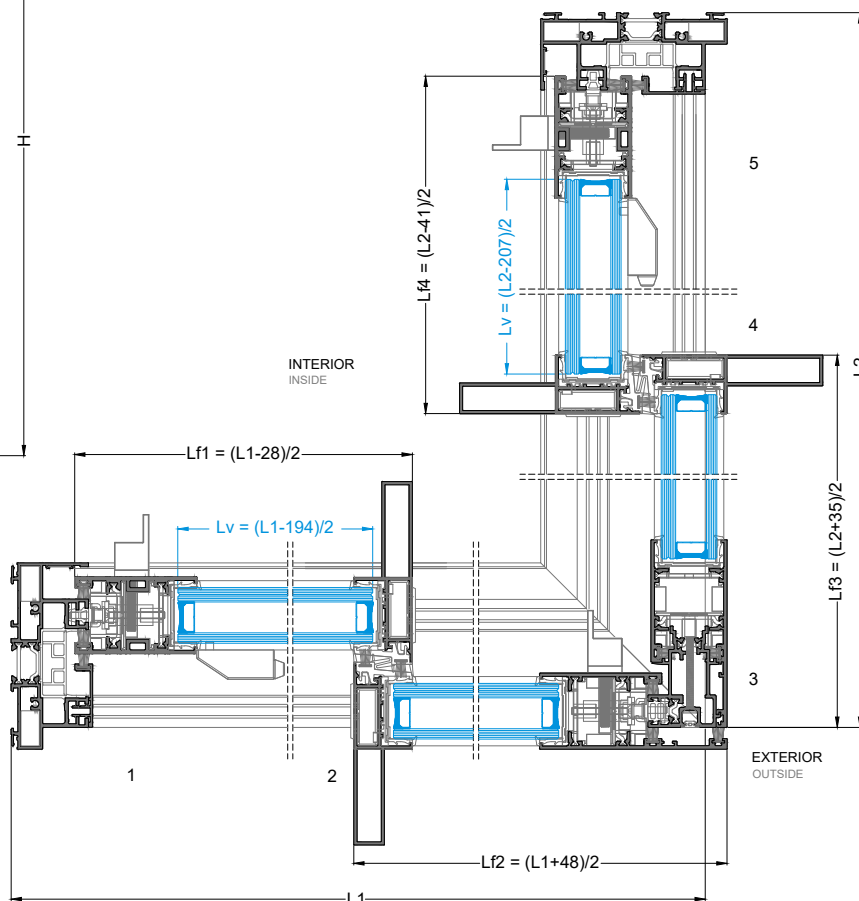
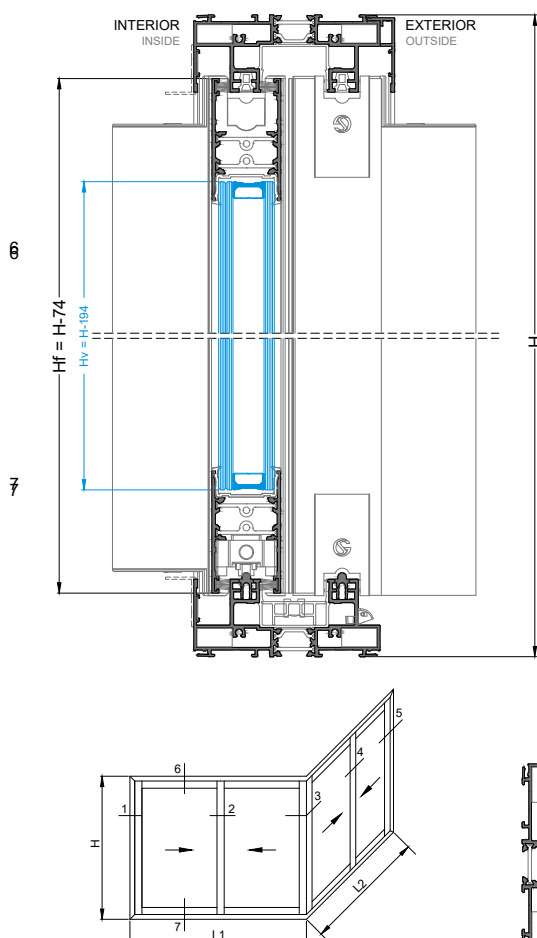
## 4 LEAVES SLIDING WINDOW / DOOR IN OUTER 90° CORNER - 2RAIL PT PROFILE

| PERFIS   PROFILES |                                       |                                                      |                             |                    |              |
|-------------------|---------------------------------------|------------------------------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION             | CORTE HORIZ.<br>HORIZONTAL CUT                       | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | ARO FIXO   FIXED FRAME                | L1<br>L2                                             | H                           | 2<br>2 + 2         |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE      | -                                                    | H-74                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE      | -                                                    | H-74                        | 2                  |              |
| JT 62             | PERFIL LAT. CANTO   CORNER LAT. PROF. | -                                                    | H-74                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM     | (L1-184)/2<br>(L2-197)/2                             | -                           | 4<br>4             |              |
| JT 72             | PERFIL LIG. CANTO   CONNECT. PROFILE  | -                                                    | H-143                       | 1                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE      | L1+19<br>L2+19                                       | -                           | 1<br>1             |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER        | -                                                    | H-51                        | 2                  |              |
| JT 87             | GUIA   RAIL                           | L1-48<br>L1-106<br>L2-48<br>L2-106                   | -                           | 1<br>1<br>1<br>1   |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT    | -                                                    | H-74                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE          | L1-34<br>L2-34                                       | H-34                        | 2<br>2 + 2         |              |
| 215303            | PERFIL PVC T   T PVC PROFILE          | (L1-117)/2<br>(L1-292)/2<br>(L2-130)/2<br>(L2-280)/2 | H-37                        | 1<br>1 + 2<br>1    |              |

| VEDANTES   SEALANTS |                                                |                    |  |
|---------------------|------------------------------------------------|--------------------|--|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |  |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L1<br>4L2 + 6H    |  |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L1<br>2L2 + 2H    |  |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L1<br>2L2 + 8H    |  |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 9H                 |  |
| 208479              | JUNTA TAPA CANAL PERFIL LIG. 2117 JT   JOINT   | H                  |  |
| 208435              | JUNTA VD 2415 PRT   JOINT                      | H                  |  |

| ACESSÓRIOS   ACCESSORIES |                                                                          |                      |
|--------------------------|--------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                              | 8                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                               | 4                    |
| 213287                   | CORTA-VENTO CANTO 90° JT   CORNER INSULATION GASKET                      | 2                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT  | 4                    |
| 000000                   | ESQUADRO JT 11x20.5   CORNER CLEAT                                       | 8                    |
| 212243                   | CONJ. UNIÃO CANTO 90° JT   90° CORNER UNION KIT                          | 1                    |
| 204389                   | ESQUADRO INOX CANTO 90°   90° CORNER                                     | 2                    |
| 213246                   | CANTO CR S/SB   CORNER                                                   | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                               | 4                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                | 4                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                      | 4                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                           | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                  | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                     | 4                    |
| 000000                   | CONJ. TOPOS CANTO 90° JT   90° CORNER END-CAPS KIT                       | 1                    |
| 210268                   | GOTEIRA C/ VALV. SVE   DRIP                                              | 6                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                   | 6                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE           | 3                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                | 6                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT       | 6                    |
| 218154                   | CALÇO P/ C-FECHO PERF. LIG   CONNECTING PROFILE LOCKING PLATE SHIM       | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                    | 18                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                      | 18                   |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPOINT HARDWARE FIXATION KIT | DIVERSOS<br>DIVERSES |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                 | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                 | 2                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                                | 2                    |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                         | 32                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM            | 8                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 4 larguras de folha distintas, identificadas como Lf1, Lf2, Lf3 e Lf4.  
The formulas were designed for glasses and transoms with equal measures. In this typology there are 4 distinct leaf widths, identified as Lf1, Lf2, Lf3 and Lf4.

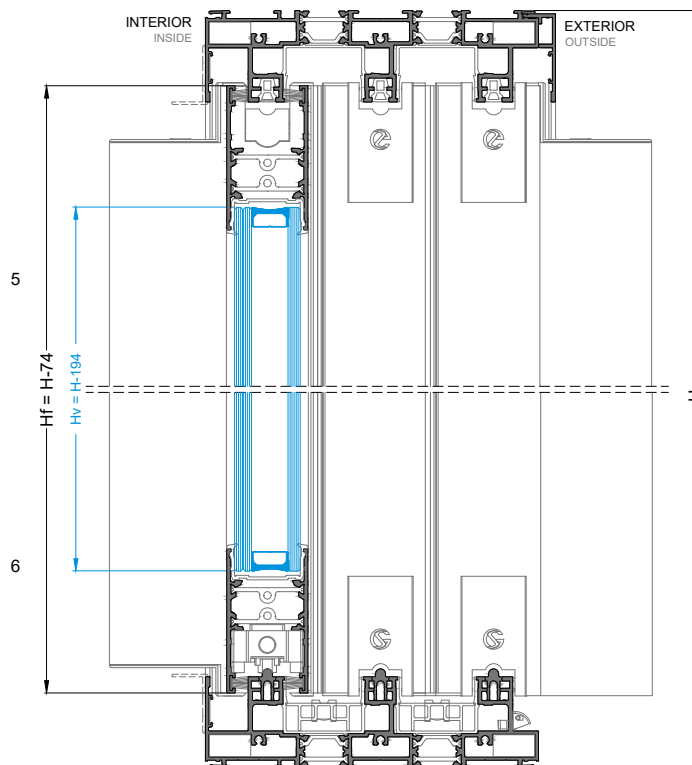
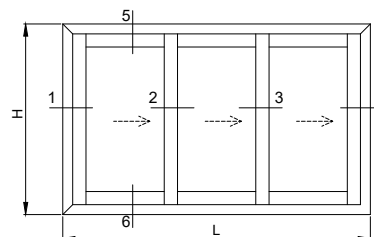
# JANELA / PORTA DE CORRER 3 FOLHAS - PERFIL PT 3RAIL

## 3 LEAVES SLIDING WINDOW / DOOR - 3RAIL PT PROFILE

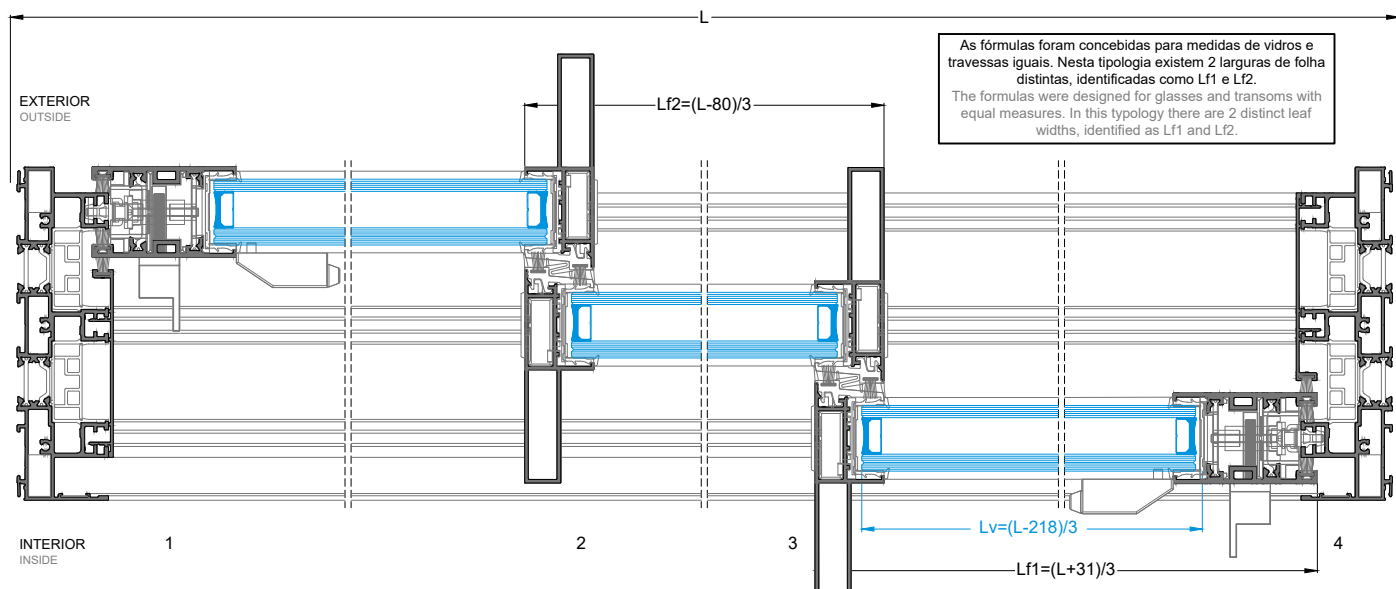
| PERFIS   PROFILES |                                    |                                |                             |                    |              |
|-------------------|------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| 205129 JT 13      | ARO FIXO   FIXED FRAME             | L                              | H                           | 2 + 2              |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-74                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                              | H-74                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM  | (L-202)/3                      | -                           | 6                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE   | L-4                            | -                           | 1                  |              |
| JT 88             | CAPA COMPLEM.   COMPLEM. COVER     | -                              | H-51                        | 2                  |              |
| JT 87             | GUIA   RAIL                        | L-92<br>L-96                   | -                           | 2<br>1             |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                              | H-74                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | L-34                           | H-34                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | (L-103)/3<br>(2L-285)/3        | H-37                        | 2<br>2 + 2         |              |

| ACESSÓRIOS   ACCESSORIES |                                                                         |                    |
|--------------------------|-------------------------------------------------------------------------|--------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 6                  |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 4                  |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 2                  |
| 000000                   | ESQUADRO JT 11x20.5   CORNER CLEAT                                      | 12                 |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 4                  |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 2                  |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 2                  |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 2                  |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 4                  |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 4                  |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                    | 4                  |
| 210268                   | GOTEIRA C/ VALV. SVE   DRIP                                             | 3                  |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 4                  |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONTO HARDWARE          | 2                  |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 4                  |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 4                  |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONTO HARDWARE SHIM                   | 12                 |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONTO HARDWARE FIXATION KIT                     | 12                 |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                | 1                  |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                | 1                  |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                               | 2                  |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                        | 24                 |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 6                  |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 6H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 3L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 6H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |





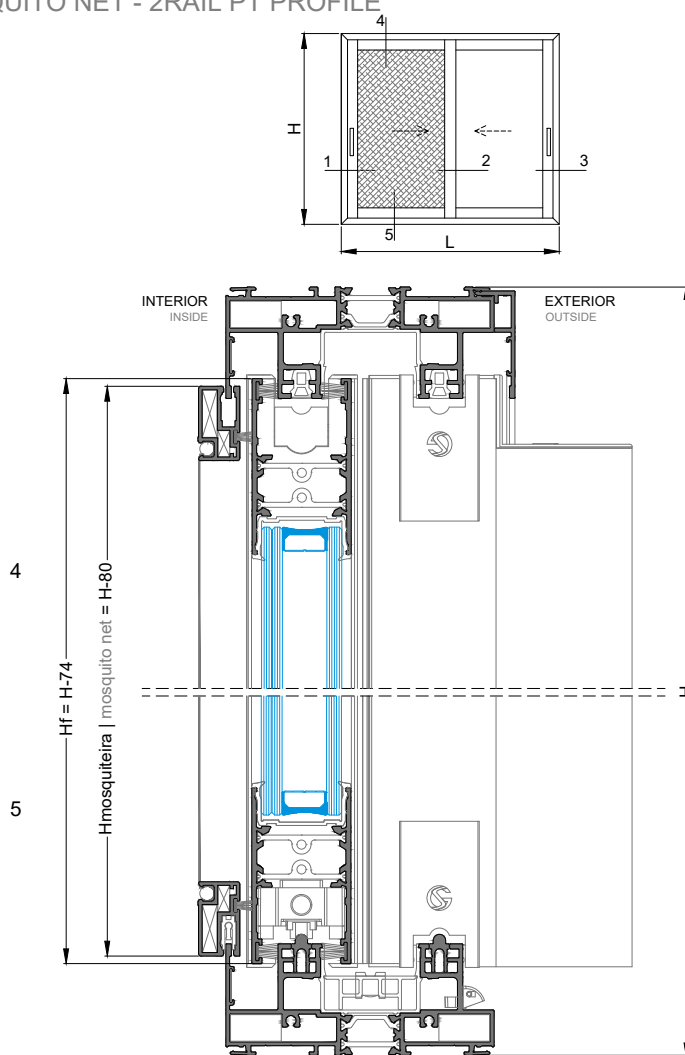
# JANELA / PORTA DE CORRER 2 FOLHAS COM MOSQUITEIRA INTERIOR - PERFIL PT 2RAIL

## 2 LEAVES SLIDING WINDOW / DOOR WITH INNER MOSQUITO NET - 2RAIL PT PROFILE

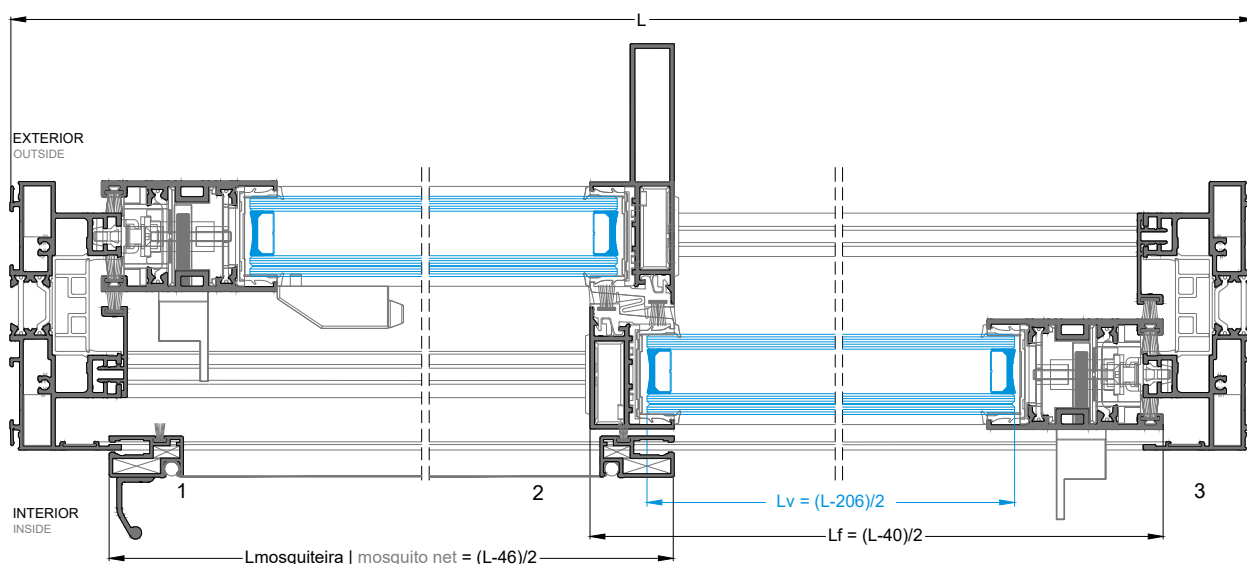
| PERFIS   PROFILES |                                    |                                |                             |                    |              |
|-------------------|------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION          | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | ARO FIXO   FIXED FRAME             | L                              | H                           | 2 + 2              |              |
| JT 51             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-74                        | 1                  |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE   | -                              | H-74                        | 1                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE   | -                              | H-74                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM  | (L-196)/2                      | -                           | 4                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE   | L-4                            | -                           | 1                  |              |
| JT 85             | CAPA COMPLEM.   COMPLEM. COVER     | -                              | H-51                        | 2                  |              |
| JT 87             | GUIA   RAIL                        | L-93                           | -                           | 2                  |              |
| KY 88             | PERFIL MOSQ.   MOSQ. NET PROFILE   | (L-46)/2                       | H-80                        | 2                  |              |
| TR 81             | PUXADOR   HANDLE                   | Variável   Variable            |                             |                    |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT | -                              | H-74                        | 2                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE       | L-34                           | H-34                        | 2 + 2              |              |
| 215303            | PERFIL PVC T   T PVC PROFILE       | (L-130)/2                      | H-37                        | 2 + 2              |              |

| ACESSÓRIOS   ACCESSORIES |                                                                         |                      |
|--------------------------|-------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                               | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                             | 4                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                              | 2                    |
| 212337                   | CONJ. ESTANQ. CORTA-VENTO JT   CENTRAL INSULATION GASKET WATERPROOF KIT | 1                    |
| 000000                   | ESQUADRO JT 11x20.5   CORNER CLEAT                                      | 8                    |
| 213246                   | CANTO CR S/SB   CORNER                                                  | 4                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                              | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT               | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                     | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                          | 2                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                 | 2                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                    | 1                    |
| 210288                   | GOTEIRA C/ VALV. SVE   DRIP                                             | 3                    |
| 210265                   | GOTEIRA C/ VALV. BOLA PRT (OPCIONAL)   DRIP (OPTIONAL)                  | 4                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONT HARDWARE           | 2                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE               | 4                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT      | 4                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONT HARDWARE SHIM                    | 12                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONT HARDWARE FIXATION KIT                      | 12                   |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                               | 1                    |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                        | 16                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM           | 4                    |
| 229105                   | REDE MOSQUITEIRA EM FIBRA 1600MM   MOSQUITO NET                         | VARIÁVEL<br>VARIABLE |
| 223247                   | KIT TR MOSQUITEIRA DE CORRER   SLIDING MOSQUITO NET KIT                 | 1                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                            |                    |
|---------------------|------------------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                                  | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET                 | 4L + 4H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT                           | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET             | 2L + 4H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET                  | 4H                 |
| 208310              | VEDANTE P/ MOSQUITIERA 1027   MOSQUITO NET JOINT           | 2L+2H              |
| 208564              | PELUCIA 4,8x7MM P/ MOSQUITEIRA   MOSQUITO NET BRUSH GASKET | 2L                 |



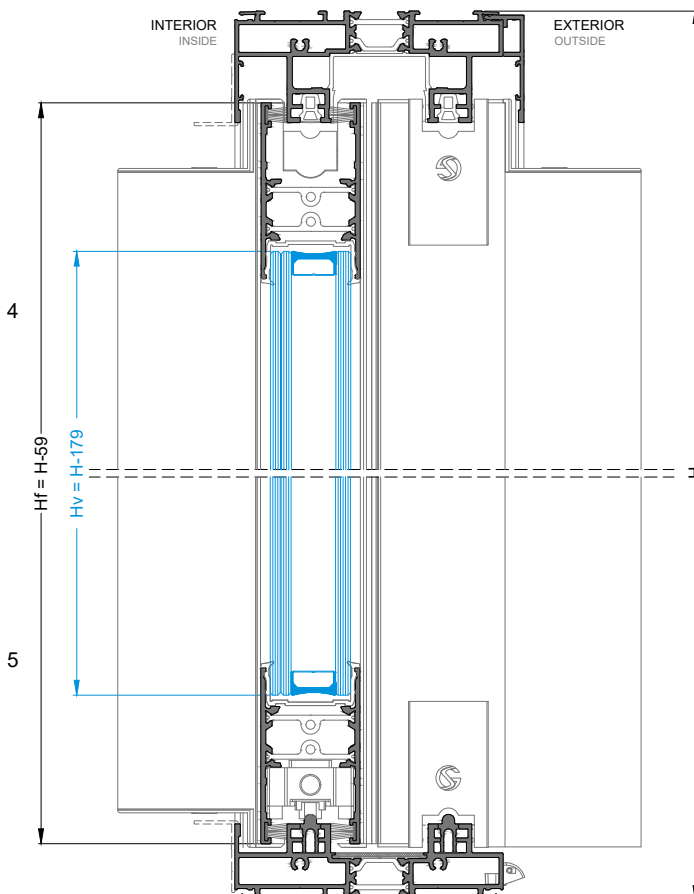
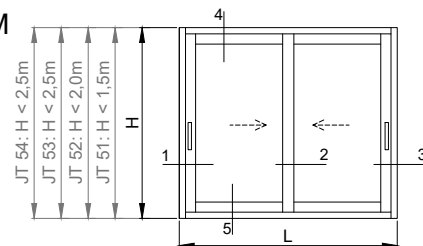
# JANELA / PORTA DE CORRER 2 FOLHAS - SOLEIRA 2RAIL 30MM

## 2 LEAVES SLIDING WINDOW / DOOR - 30MM 2RAIL SILL

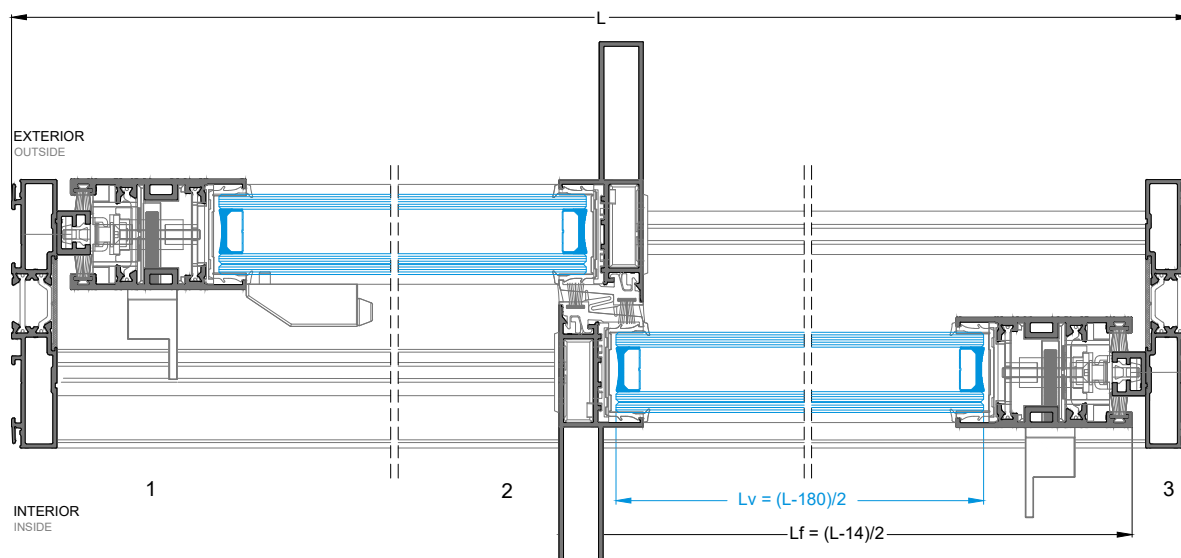
| PERFIS   PROFILES |                                      |                                |                             |                    |              |
|-------------------|--------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION            | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | PADIEIRA   FIXED FRAME               | L-38                           | -                           | 1                  |              |
| JT 18             | OMBREIRA   FIXED FRAME               | -                              | H                           | 2                  |              |
| JT 78             | GUIA OMBREIRA   FIXED FRAME          | -                              | H-74                        | 2                  |              |
| JT 22             | SOLEIRA   FIXED FRAME                | L-38                           | -                           | 1                  |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE     | -                              | H-59                        | 2                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE     | -                              | H-59                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM     | (L-169)/2                      | -                           | 4                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE     | L-4                            | -                           | 1                  |              |
| JT 87             | GUIA   RAIL                          | L-51                           | -                           | 2                  |              |
| JE 96             | PERFIL POLIAMIDA   POLYAMIDE PROFILE | (L-102)/2                      | H                           | 2 + 2              |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT   | -                              | H-59                        | 2                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE         | L-38                           | -                           | 1                  |              |

| ACESSÓRIOS   ACCESSORIES |                                                                    |                      |
|--------------------------|--------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                          | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                        | 4                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                         | 1                    |
| 000000                   | CORTA-VENTO BAIXO JT   LOW CENTRAL INSULATION GASKET               | 1                    |
| 000000                   | KIT JUNTAS ADESIVAS Nº1 JT   JT Nº1 ADHESIVE JOINT KIT             | 1                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                         | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT          | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                     | 2                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT            | 2                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT               | 2                    |
| 210268                   | GOTEIRA C/ VÁLV. SVE   DRIP                                        | 3                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONTO HARDWARE     | 2                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE          | 4                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT | 4                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONTO HARDWARE SHIM              | 12                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONTO HARDWARE FIXATION KIT                | 12                   |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                           | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                           | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                          | 1                    |
| 000000                   | PARAF DIN7982 PH 3,5x16 A2   SCREW                                 | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2x10 CQ   SCREW                                   | 16                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM      | 4                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 2H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 4H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |



# JANELA / PORTA DE CORRER 3 FOLHAS - SOLEIRA 2RAIL 30MM

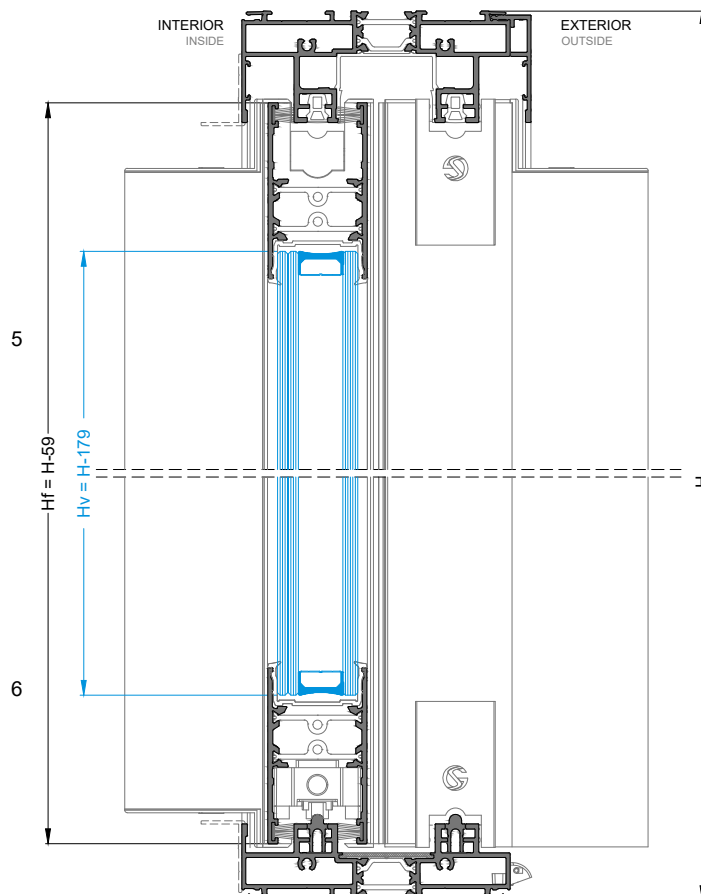
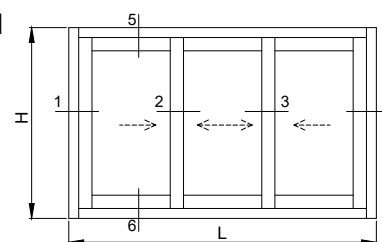
## 3 LEAVES SLIDING WINDOW / DOOR - 30MM 2RAIL SILL

| PERFIS   PROFILES |                                      |                                |                             |                    |              |
|-------------------|--------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION            | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | PADIEIRA   FIXED FRAME               | L-38                           | -                           | 1                  |              |
| JT 18             | OMBREIRA   FIXED FRAME               | -                              | H                           | 2                  |              |
| JT 78             | GUIA OMBREIRA   FIXED FRAME          | -                              | H-74                        | 2                  |              |
| JT 22             | SOLEIRA   FIXED FRAME                | L-38                           | -                           | 1                  |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE     | -                              | H-59                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE     | -                              | H-59                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM    | (L-175)/3                      | -                           | 6                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE     | L-4                            | -                           | 1                  |              |
| JT 87             | GUIA   RAIL                          | L-65<br>L-38                   | -                           | 1<br>1             |              |
| JE 96             | PERFIL POLIAMIDA   POLYAMIDE PROFILE | (L-30)/3<br>(L-261)/3          | H                           | 2<br>1 + 2         |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT   | -                              | H-59                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE         | L-38                           | -                           | 1                  |              |

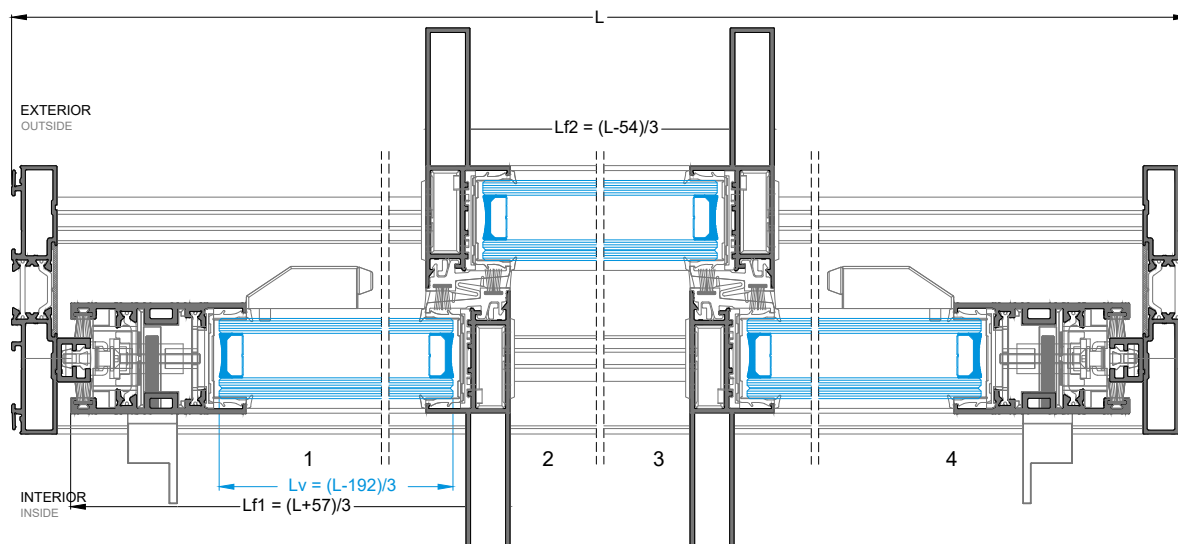
| ACESSÓRIOS   ACCESSORIES |                                                                    |                      |
|--------------------------|--------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                          | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                        | 6                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                         | 2                    |
| 000000                   | CORTA-VENTO BAIXO JT   LOW CENTRAL INSULATION GASKET               | 2                    |
| 000000                   | KIT JUNTAS ADESIVAS Nº1 JT   JT Nº1 ADHESIVE JOINT KIT             | 1                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                         | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT          | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                     | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT            | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT               | 4                    |
| 210268                   | GOTEIRA C/ VÁLV. SVE   DRIP                                        | 3                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONTO HARDWARE     | 2                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE          | 4                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT | 4                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONTO HARDWARE SHIM              | 12                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONTO HARDWARE FIXATION KIT                | 12                   |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                           | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                           | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                          | 2                    |
| 000000                   | PARAF DIN982 PH 3,5x16 A2   SCREW                                  | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                   | 24                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM      | 6                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.

As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 2 larguras de folha distintas, identificadas como Lf1 e Lf2.  
The formulas were designed for glasses and transoms with equal measures. In this typology there are 2 distinct leaf widths, identified as Lf1 and Lf2.



| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 4H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 6H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |

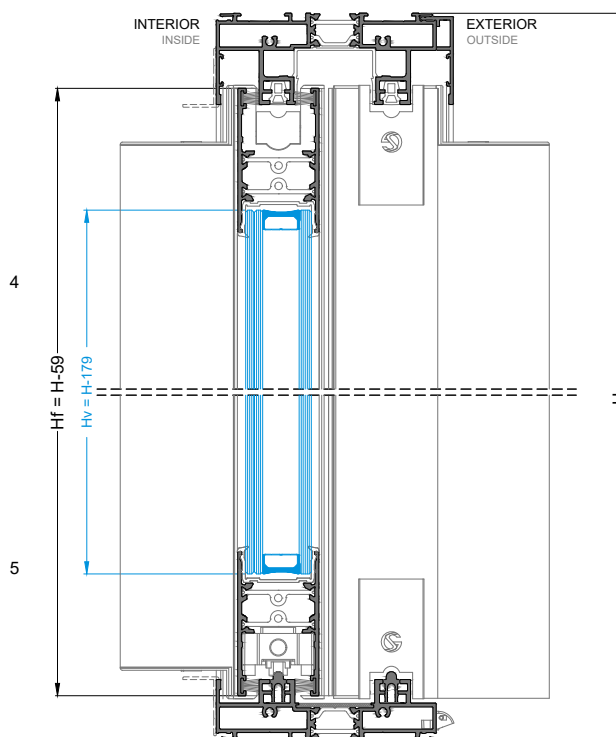
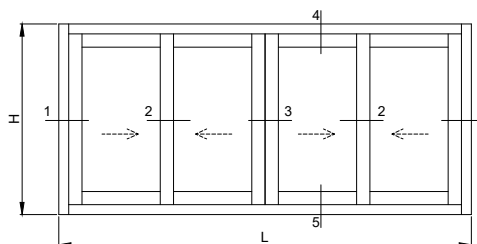




# JANELA / PORTA DE CORRER 4 FOLHAS COM LIGAÇÃO CENTRAL - SOLEIRA 2RAIL 30MM

## 4 LEAVES SLIDING WINDOW / DOOR WITH CENTRAL CONNECTION - 30MM 2RAIL SILL

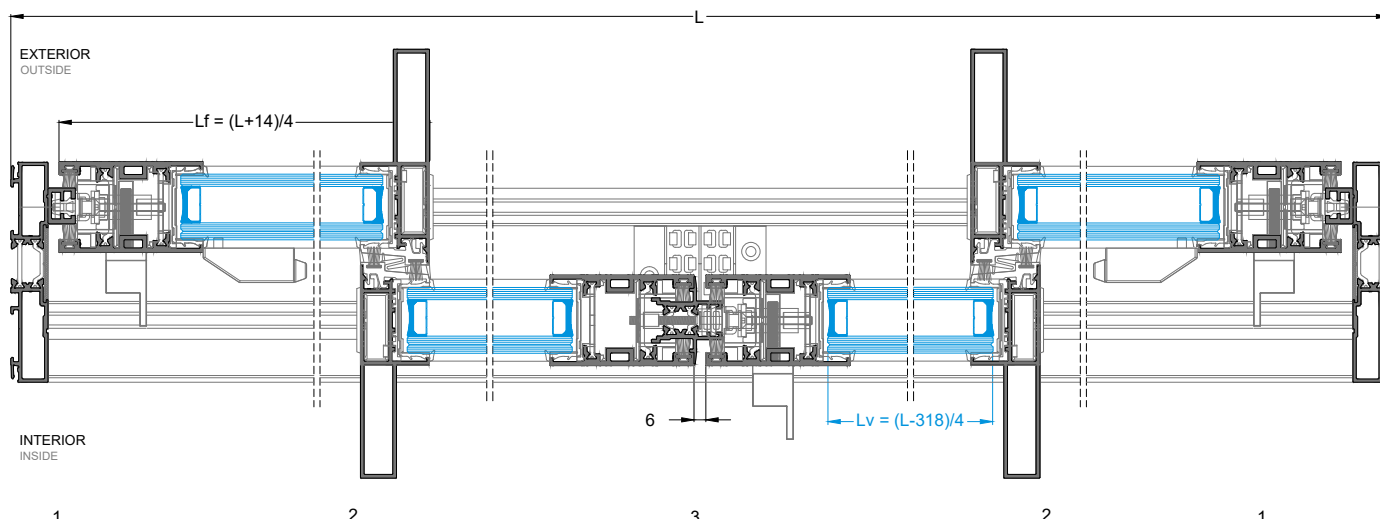
| PERFIS   PROFILES |                                      |                                |                             |                    |              |
|-------------------|--------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION            | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | PADIEIRA   FIXED FRAME               | L-38                           | -                           | 1                  |              |
| JT 18             | OMBREIRA   FIXED FRAME               | -                              | H                           | 2                  |              |
| JT 78             | GUIA OMBREIRA   FIXED FRAME          | -                              | H-74                        | 2                  |              |
| JT 22             | SOLEIRA   FIXED FRAME                | L-38                           | -                           | 1                  |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE     | -                              | H-59                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE     | -                              | H-59                        | 4                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM    | (L-297)/4                      | -                           | 8                  |              |
| JT 71             | PERFIL LIGAÇÃO   CONNECTION PROFILE  | -                              | H-128                       | 1                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE     | L-4                            | -                           | 1                  |              |
| JT 87             | GUIA   RAIL                          | L-65<br>L-38                   | -                           | 1<br>1             |              |
| JE 96             | PERFIL POLIAMIDA   POLYAMIDE PROFILE | (L-182)/4<br>(L-102)/4         | H                           | 2 + 2              |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT   | -                              | H-59                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE         | L-38                           | -                           | 1                  |              |



| ACESSÓRIOS   ACCESSORIES |                                                                           |                      |
|--------------------------|---------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                 | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                               | 8                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                                | 3                    |
| 000000                   | CORTA-VENTO BAIXO JT   LOW CENTRAL INSULATION GASKET                      | 3                    |
| 000000                   | KIT JUNTAS ADESIVAS Nº1 JT   JT Nº1 ADHESIVE JOINT KIT                    | 1                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                                | 4                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                 | 4                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                       | 4                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                            | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                   | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                      | 4                    |
| 000000                   | CONJ. TOPOS LIG. 2 FOLHAS JT   2 LEAVES CONNECTING END-CAPS KIT           | 1                    |
| 210268                   | GOTEIRA C/ VÁLV. SVE   DRIP                                               | 6                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONT HARDWARE             | 3                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                 | 6                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT        | 6                    |
| 218154                   | CALÇO P/ C-FECHO PERF. LIG   CONNECTING PROFILE COUNTER-LOCK BRACKET SHIM | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONT HARDWARE SHIM                      | 18                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONT HARDWARE FIXATION KIT                        | 18                   |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPONT HARDWARE FIXATION KIT   | DIVERSOS<br>DIVERSES |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                  | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                  | 2                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                                 | 2                    |
| 000000                   | PARAF DIN7982 PH 3,5x16 A2   SCREW                                        | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                          | 32                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM             | 8                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.

| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 4H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 8H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 8H                 |
| 208479              | JUNTA TAPA CANAL PERFIL LIG. 2117 JT   JOINT   | H                  |



# JANELA / PORTA DE CORRER 4 FOLHAS EM CANTO EXTERIOR 90° - SOLEIRA 2RAIL 30MM

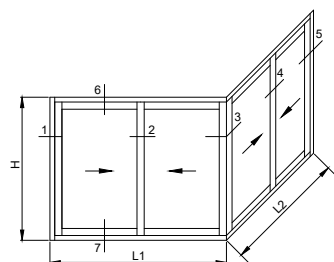
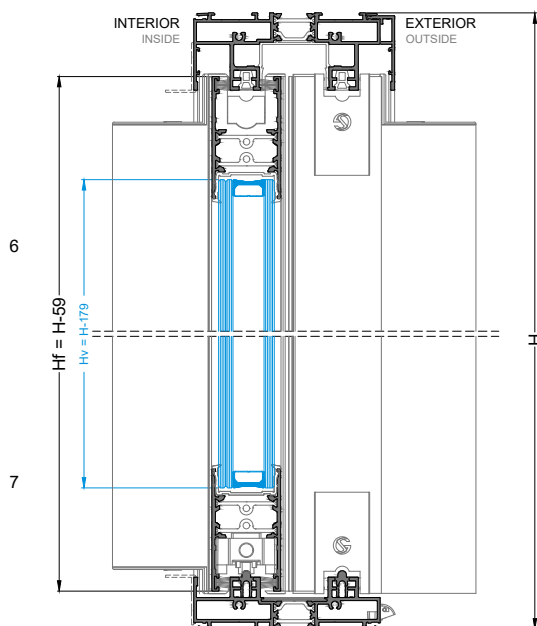
## 4 LEAVES SLIDING WINDOW / DOOR IN OUTER 90° CORNER - 30MM 2RAIL SILL

| PERFIS   PROFILES |                                       |                                                    |                             |                    |              |
|-------------------|---------------------------------------|----------------------------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION             | CORTE HORIZ.<br>HORIZONTAL CUT                     | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 12             | ARO FIXO   FIXED FRAME                | L1-19<br>L2-19                                     | -                           | 1                  |              |
| JT 18             | OMBREIRA   FIXED FRAME                | -                                                  | H                           | 2                  |              |
| JT 78             | GUIA OMBREIRA   FIXED FRAME           | -                                                  | H-74                        | 2                  |              |
| JT 22             | SOLEIRA   FIXED FRAME                 | L1-19<br>L2-19                                     | -                           | 1                  |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE      | -                                                  | H-59                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE      | -                                                  | H-59                        | 2                  |              |
| JT 62             | PERFIL LAT. CANTO   CORNER LAT. PROF. | -                                                  | H-59                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LW TRANSOM      | (L1-184)/2<br>(L2-197)/2                           | -                           | 4                  |              |
| JT 72             | PERFIL LIG. CANTO   CONNECT. PROFILE  | -                                                  | H-128                       | 1                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE      | L1+6<br>L2+6                                       | -                           | 1                  |              |
| JT 87             | GUIA   RAIL                           | L1-36<br>L1-107<br>L2-36<br>L2-107                 | -                           | 1                  |              |
| JE 96             | PERFIL POLIAMIDA   POLYAMIDE PROFILE  | (L1-86)/2<br>(L1-237)/2<br>(L2-99)/2<br>(L2-225)/2 | H                           | 1                  | + 2          |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT    | -                                                  | H-59                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE          | L1-19<br>L2-19                                     | -                           | 1                  |              |

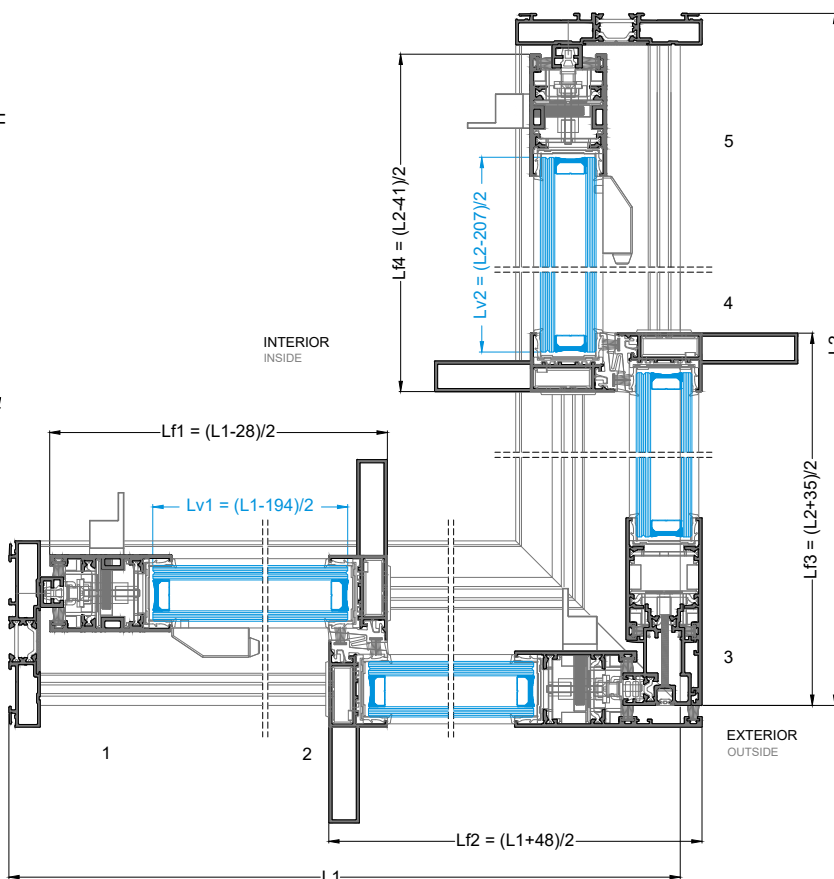
| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L1<br>4L2 + 4H    |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 2L1<br>2L2 + 2H    |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L1<br>2L2 + 8H    |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 9H                 |
| 208479              | JUNTA TAPA CANAL PERFIL LIG. 2117 JT   JOINT   | H                  |
| 208435              | JUNTA VD 2415 PRT   JOINT                      | H                  |

| ACESSÓRIOS   ACCESSORIES |                                                                          |                      |
|--------------------------|--------------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                                | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                              | 8                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                               | 2                    |
| 000000                   | CORTA-VENTO BAIXO JT   LOW CENTRAL INSULATION GASKET                     | 5                    |
| 213287                   | CORTA-VENTO CANTO 90° JT   CORNER INSULATION GASKET                      | 1                    |
| 000000                   | KIT JUNTAS ADESIVAS N°1 JT   JT N°1 ADHESIVE JOINT KIT                   | 1                    |
| 212243                   | CONJ. UNIÃO CANTO 90° JT   90° CORNER UNION KIT                          | 1                    |
| 000000                   | CONJ. UNIÃO CANTO 90° ARO BAIXO JT   LOW 90° CORNER UNION KIT            | 1                    |
| 204389                   | ESQUADRO INOX CANTO 90°   90° CORNER                                     | 2                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                               | 4                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT                | 4                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                      | 4                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                           | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT                  | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT                     | 4                    |
| 000000                   | CONJ. TOPOS CANTO 90° JT   90° CORNER END-CAPS KIT                       | 1                    |
| 210268                   | GOTEIRA C/ VALV. SVE   DRIP                                              | 6                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPOINT HARDWARE           | 3                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE                | 6                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT       | 6                    |
| 218154                   | CALÇO P/ C-FECHO PERF. LIG   CONNECTING PROFILE LOCKING PLATE SHIM       | 2                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPOINT HARDWARE SHIM                    | 18                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPOINT HARDWARE FIXATION KIT                      | 18                   |
| 212079                   | CONJ. FIX. FERRAGEM MULTIP. JT72   JT72 MULTIPOINT HARDWARE FIXATION KIT | DIVERSOS<br>DIVERSES |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                                 | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                                 | 2                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                                | 2                    |
| 000000                   | PARAF DIN7982 PH 3,5x16 A2   SCREW                                       | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2X10 CQ   SCREW                                         | 32                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM            | 8                    |

\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



As fórmulas foram concebidas para medidas de vidros e travessas iguais. Nesta tipologia existem 4 larguras de folha distintas, identificadas como Lf1, Lf2, Lf3 e Lf4.  
The formulas were designed for glasses and transoms with equal measures. In this typology there are 4 distinct leaf widths, identified as Lf1, Lf2, Lf3 and Lf4.



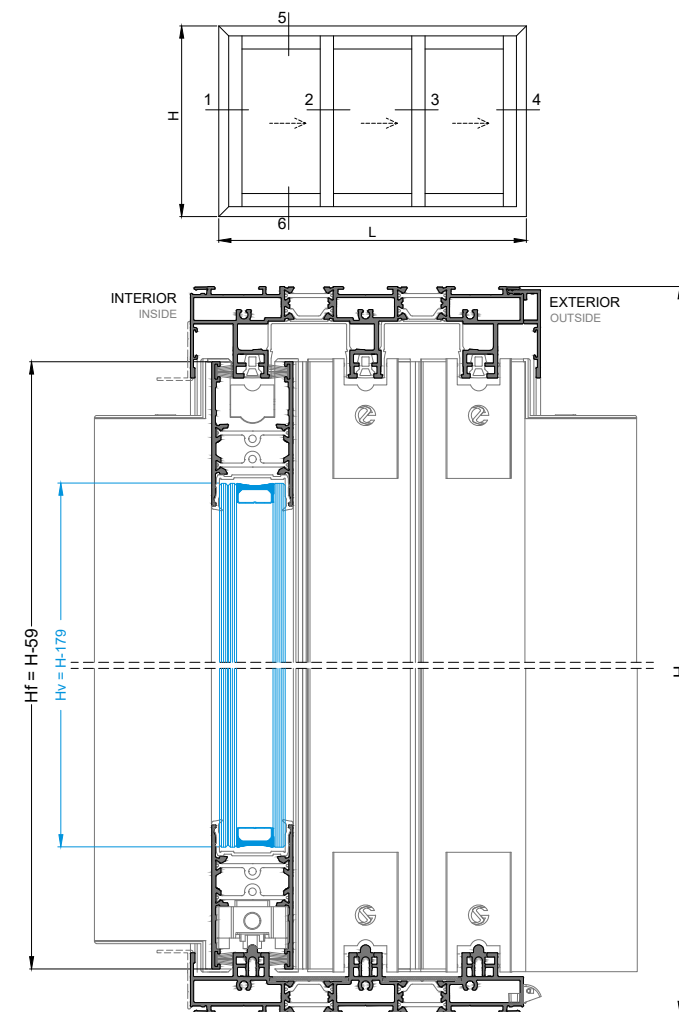
# JANELA / PORTA DE CORRER 3 FOLHAS - SOLEIRA 3RAIL 30MM

## 3 LEAVES SLIDING WINDOW / DOOR - 30MM 3RAIL PT SILL

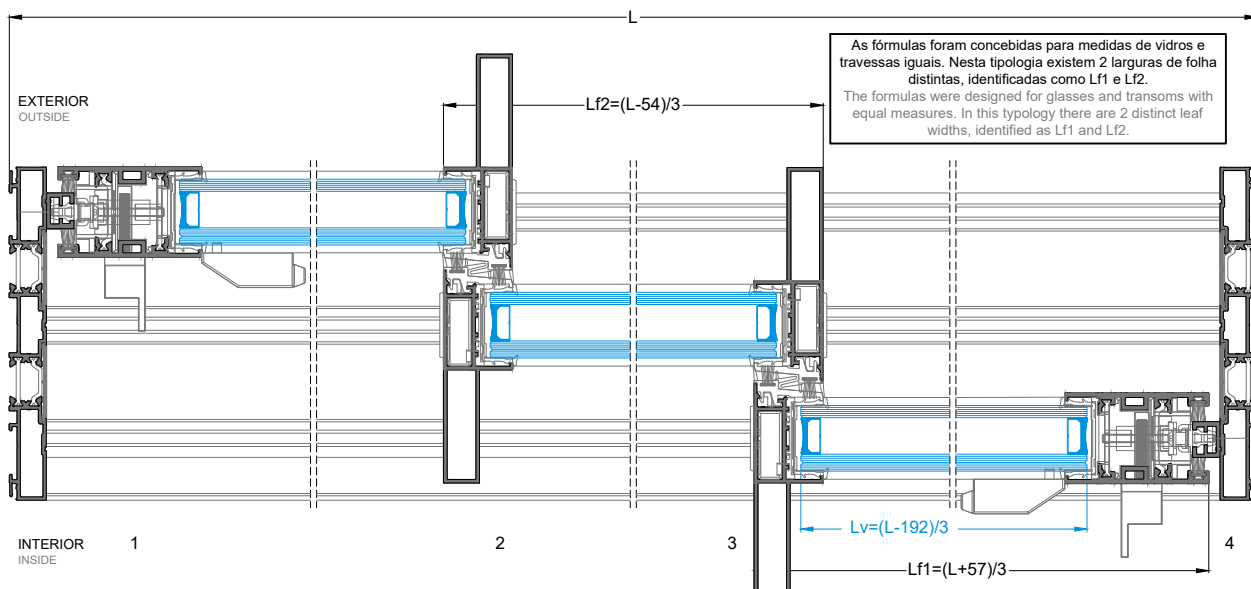
| PERFIS   PROFILES |                                      |                                |                             |                    |              |
|-------------------|--------------------------------------|--------------------------------|-----------------------------|--------------------|--------------|
| CÓDIGO<br>CODE    | DESIGNAÇÃO<br>DESIGNATION            | CORTE HORIZ.<br>HORIZONTAL CUT | CORTE VERT.<br>VERTICAL CUT | QUANT.<br>QUANTITY | CORTE<br>CUT |
| JT 13             | PADIEIRA   FIXED FRAME               | L-38                           | -                           | 1                  |              |
| JT 28             | OMBREIRA   FIXED FRAME               | -                              | H                           | 2                  |              |
| JT 78             | GUIA OMBREIRA   FIXED FRAME          | -                              | H-74                        | 2                  |              |
| JT 23             | SOLEIRA   FIXED FRAME                | L-38                           | -                           | 1                  |              |
| JT 54             | PERFIL CENTRAL   CENTRAL PROFILE     | -                              | H-59                        | 4                  |              |
| JT 66             | PERFIL LATERAL   LATERAL PROFILE     | -                              | H-59                        | 2                  |              |
| JT 63             | TRAVESSA SUP/INF   UP/LOW TRANSOM    | (L-176)/3                      | -                           | 6                  |              |
| JT 82             | PERFIL PINGADEIRA   DRIP PROFILE     | L-4                            | -                           | 1                  |              |
| JT 87             | GUIA   RAIL                          | L-65<br>L-38                   | -                           | 2<br>1             |              |
| JE 96             | PERFIL POLIAMIDA   POLYAMIDE PROFILE | (L-30)/3<br>(2L-186)/3         | H                           | 2<br>1 + 2         |              |
| 208346            | JUNTA CENTRAL 2196   CENTRAL JOINT   | -                              | H-59                        | 4                  |              |
| 215305            | PERFIL PVC U   U PVC PROFILE         | L-39                           | -                           | 1                  |              |

| ACESSÓRIOS   ACCESSORIES |                                                                    |                      |
|--------------------------|--------------------------------------------------------------------|----------------------|
| CÓDIGO<br>CODE           | DESIGNAÇÃO<br>DESIGNATION                                          | QUANT.<br>QUANTITY   |
| 205129                   | CARRINHO JT 180KG   ROLLERS                                        | 6                    |
| 213286                   | CORTA-VENTO JT   CENTRAL INSULATION GASKET                         | 2                    |
| 000000                   | CORTA-VENTO BAIXO JT   LOW CENTRAL INSULATION GASKET               | 2                    |
| 000000                   | KIT JUNTAS ADESIVAS Nº2 JT   JT Nº2 ADHESIVE JOINT KIT             | 1                    |
| 212199                   | CONJ. TOPOS LAT. JT   LATERAL END-CAPS KIT                         | 2                    |
| 212230                   | CONJ. TOPOS INTERIOR LAT. JT   LATERAL INNER END-CAPS KIT          | 2                    |
| 212201                   | CONJ. TAMPAS TOPOS LAT. JT   LATERAL END COVERS KIT                | 2                    |
| 212231                   | CONJ. TOPOS CENTRAIS JT   CENTRAL END-CAPS KIT                     | 4                    |
| 212339                   | CONJ. TAMPAS TOPOS CENTRAIS JT   CENTRAL END COVERS KIT            | 4                    |
| 212456                   | CONJ. TOPOS CENTRAL REFORÇ. JT54   JT54 END-CAPS KIT               | 4                    |
| 210268                   | GOTEIRA C/ VÁLV. SVE   DRIP                                        | 3                    |
| 211121                   | FERRAGEM MULTIPONTO ANTI-FALSA MAN. 1000   MULTIPONTO HARDWARE     | 2                    |
| 202491                   | CONTRA-FECHO ANTI-LEVANTAMENTO MULTIPONTO   LOCKING PLATE          | 4                    |
| 212455                   | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT   LOCKING PLATE FIXATION KIT | 4                    |
| 218198                   | CALÇO P/ MULTIPONTO SOS JT   MULTIPONTO HARDWARE SHIM              | 12                   |
| 212371                   | CONJ. FIXAÇÃO JT   MULTIPONTO HARDWARE FIXATION KIT                | 12                   |
| 200819                   | PUXADOR SLIM XS - ESQUERDO   LEFT HANDLE                           | 1                    |
| 200817                   | PUXADOR SLIM XS - DIREITO   RIGHT HANDLE                           | 1                    |
| 228107                   | LIMITADOR ABERT. PQ SERIE CORRER   BUFFER                          | 2                    |
| 000000                   | PARAF DIN7982 PH 3,5x16 A2   SCREW                                 | DIVERSOS<br>DIVERSES |
| 290158                   | PARAF PKI PH 1 1/2x10 CQ   SCREW                                   | 24                   |
| 218137                   | CALÇO REFORÇO HORIZONTAL JT *   HORIZONTAL REINFORCEMENT SHIM      | 6                    |

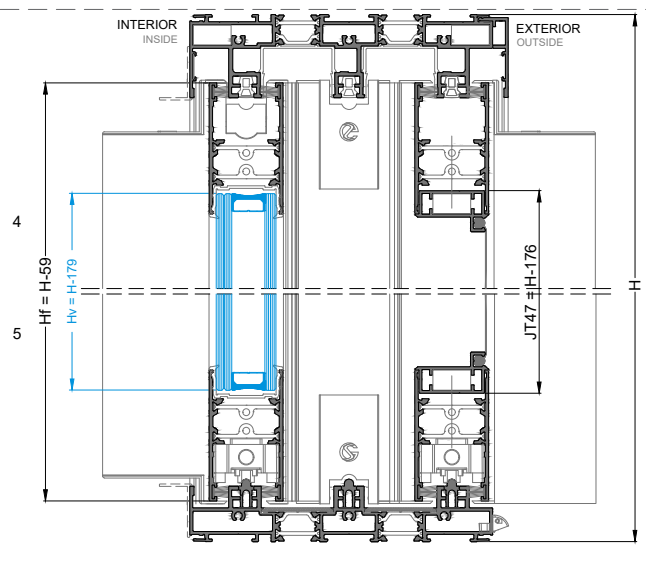
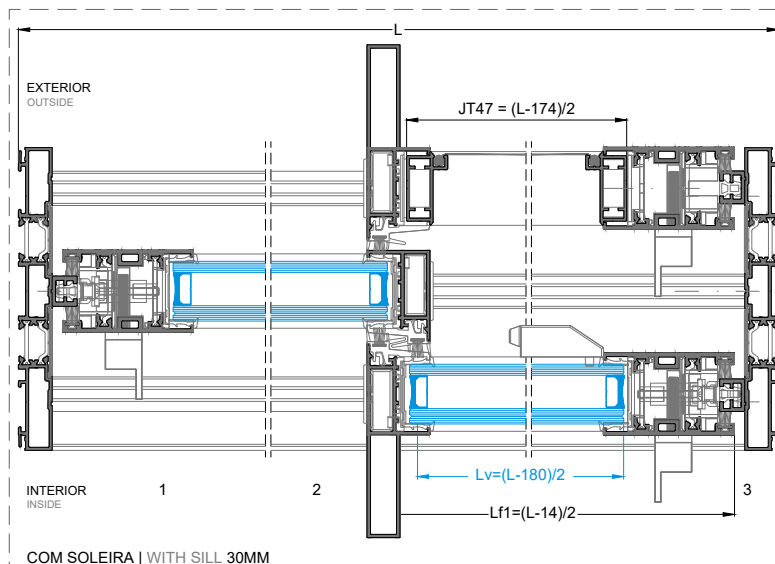
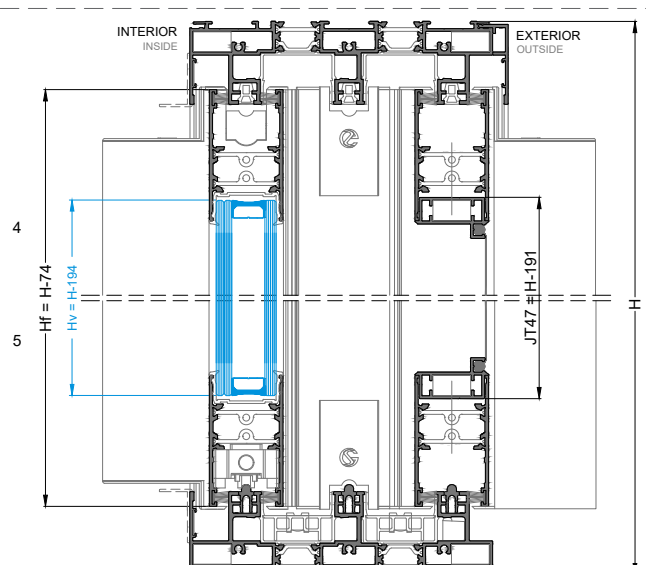
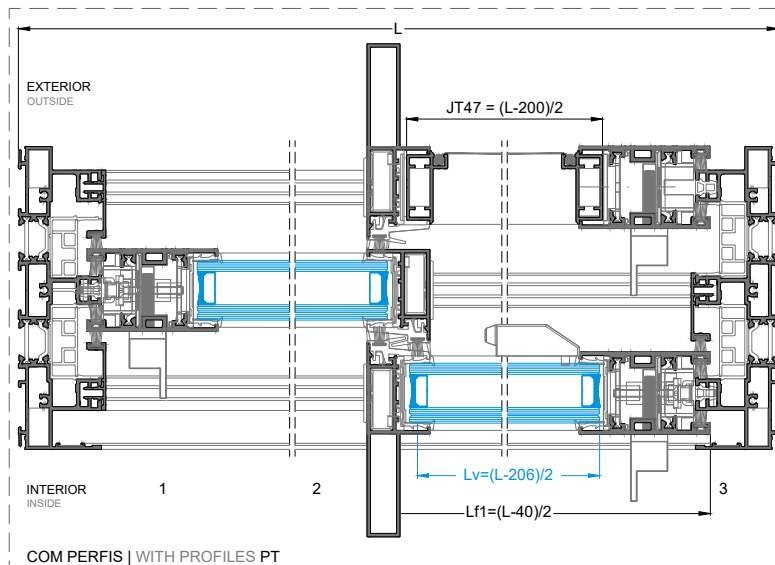
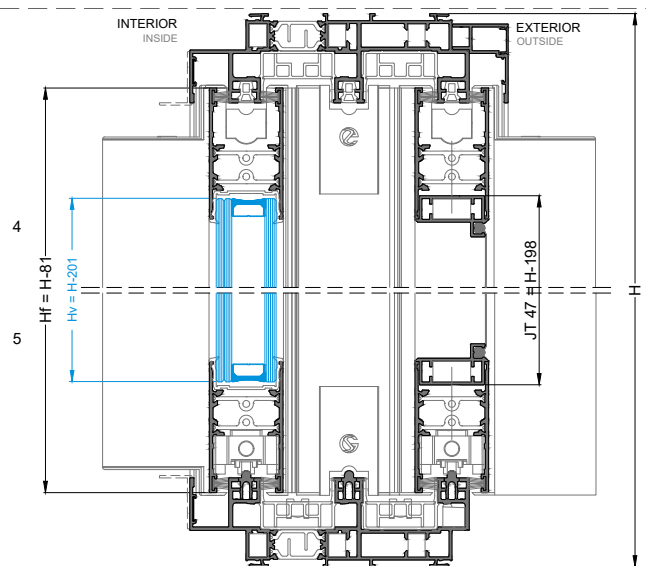
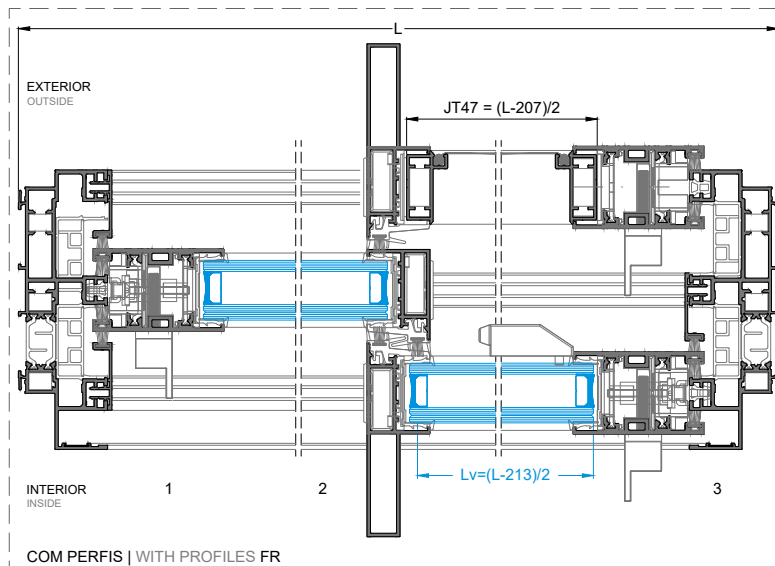
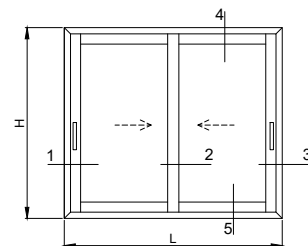
\* Usar em folhas com vidros com peso superior a 80kg.  
To be used in leaves which glass weight exceed 80kg.



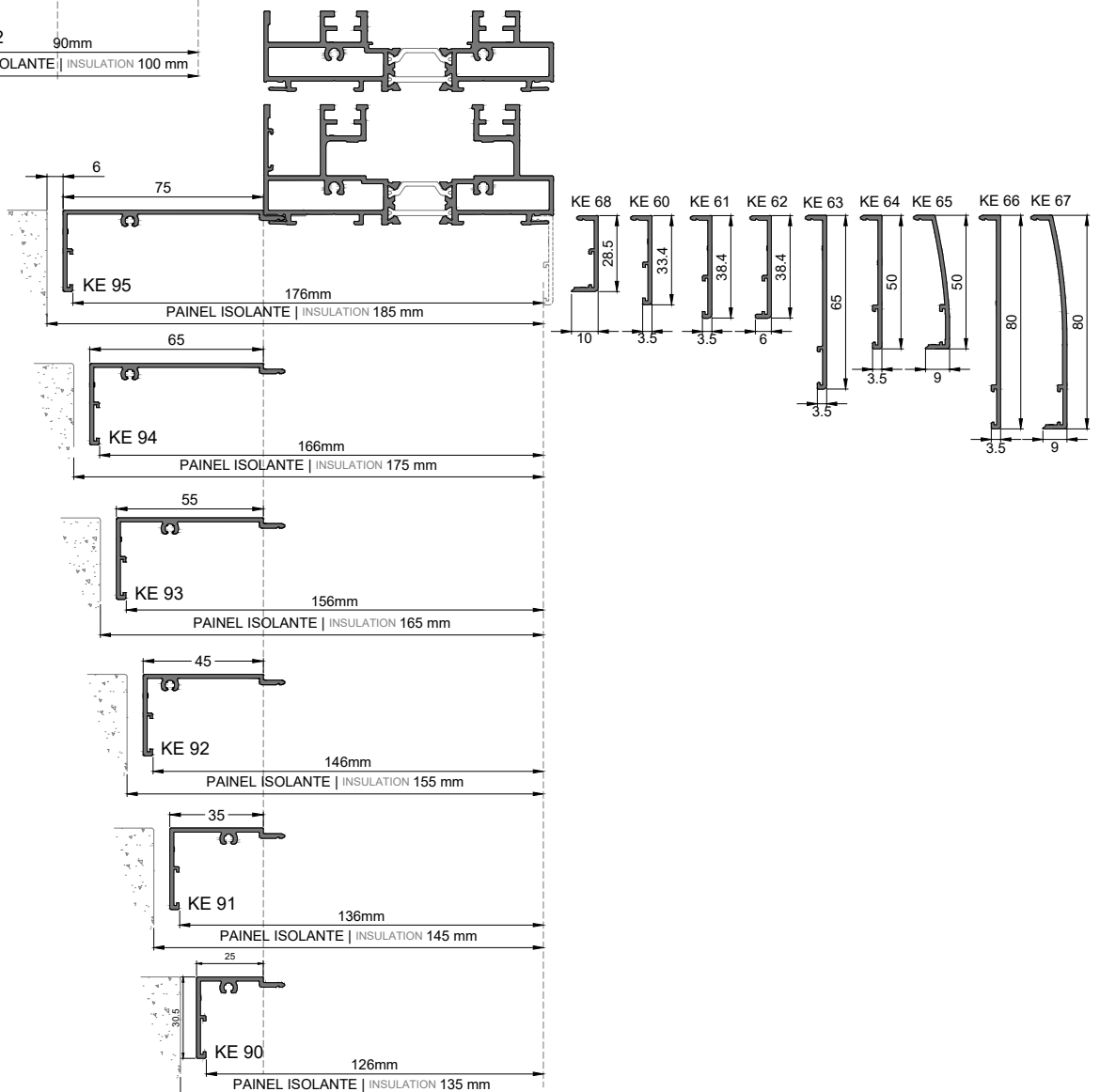
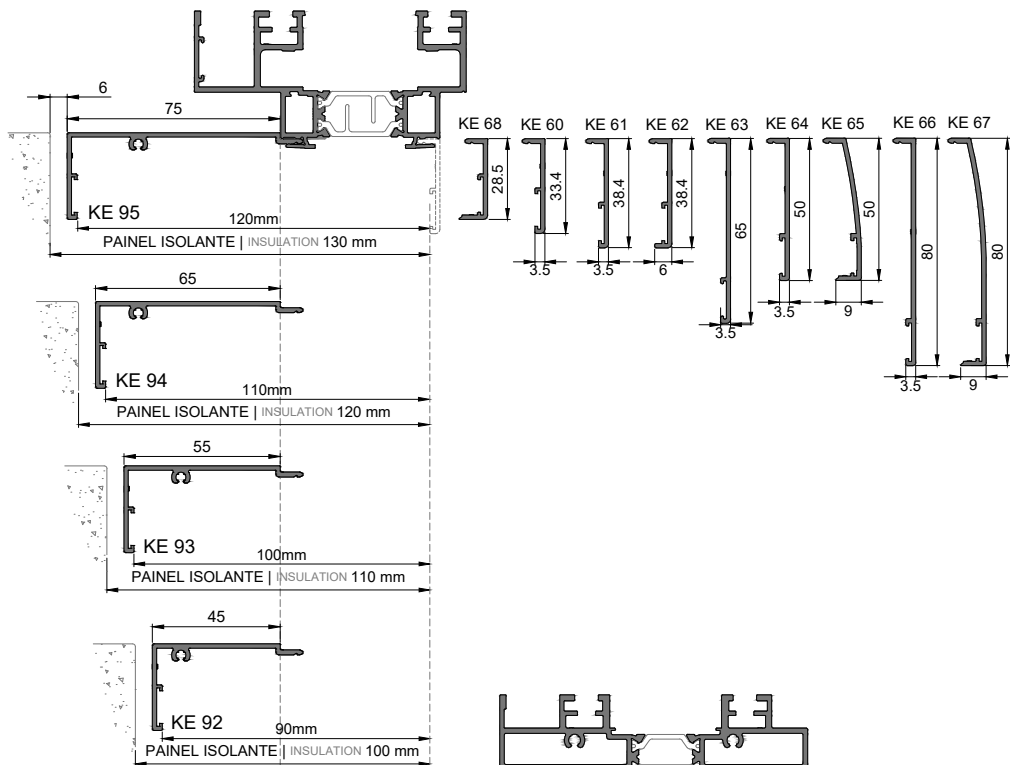
| VEDANTES   SEALANTS |                                                |                    |
|---------------------|------------------------------------------------|--------------------|
| CÓDIGO<br>CODE      | DESIGNAÇÃO<br>DESIGNATION                      | QUANT.<br>QUANTITY |
| 208304              | PELUCIA 7x10 STOP-FIN PRETA   BRUSH GASKET     | 4L + 4H            |
| 208348              | JUNTA TAPA CANAL 2116 JT   JOINT               | 3L + 2H            |
| 208099              | JUNTA VIDRO U 1032 CX 32MM JT   GLAZING GASKET | 2L + 6H            |
| 208307              | PELUCIA 7x10 TRI-FIN PRETA   BRUSH GASKET      | 4H                 |



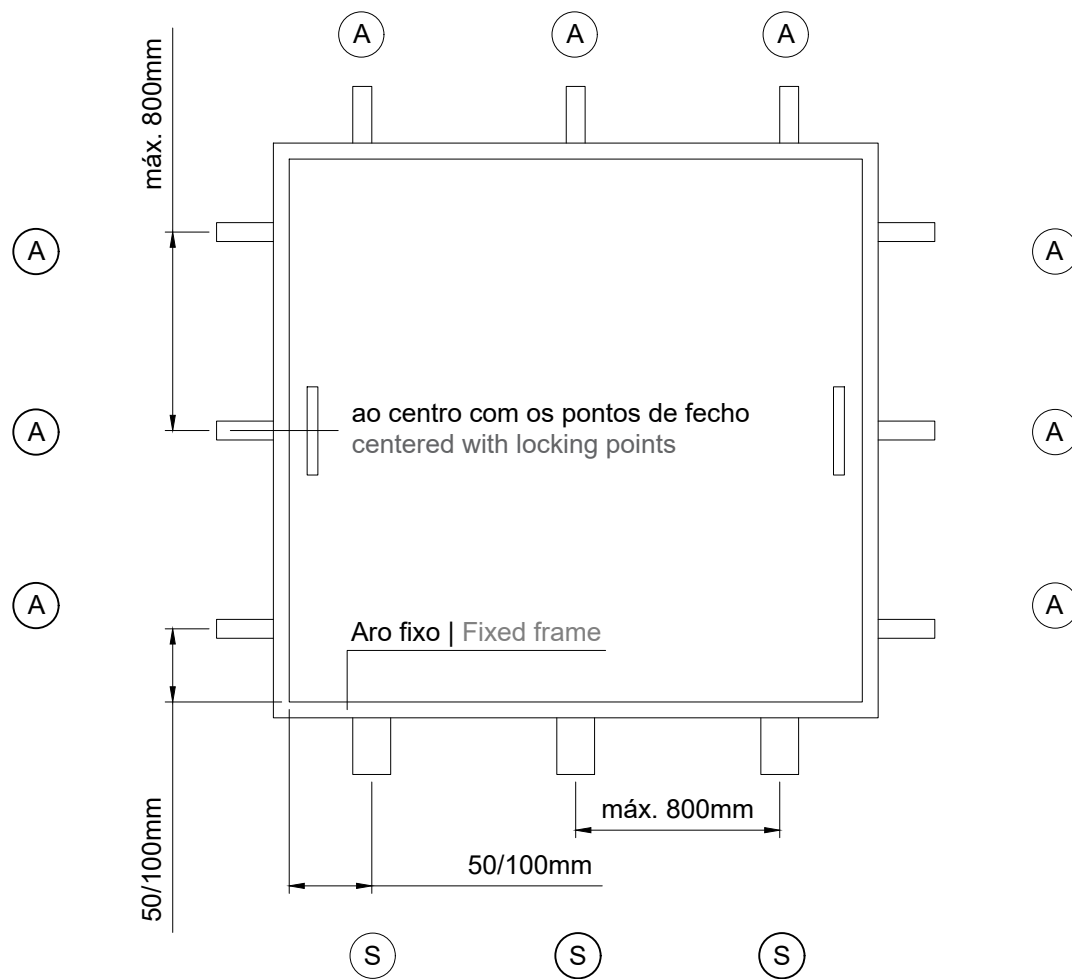
**JANELA / PORTA DE CORRER 3 FOLHAS COM MOSQUITEIRA**  
**PERFIS 2 RAIL FR, PT E SOLEIRA 30MM**  
3 LEAVES SLIDING WINDOW / DOOR  
2RAIL FR, PT AND 30MM SILL PROFILES



## APLICAÇÃO DOS PERFIS DE REMATE FINISHING PROFILES APPLICATION



## APLICAÇÃO DAS PEÇAS DE FIXAÇÃO FIXING PARTS APPLICATION



(A)

Ângulo Fixação 120mm ou 140mm  
Fixing Angle 120mm or 140mm



(S)

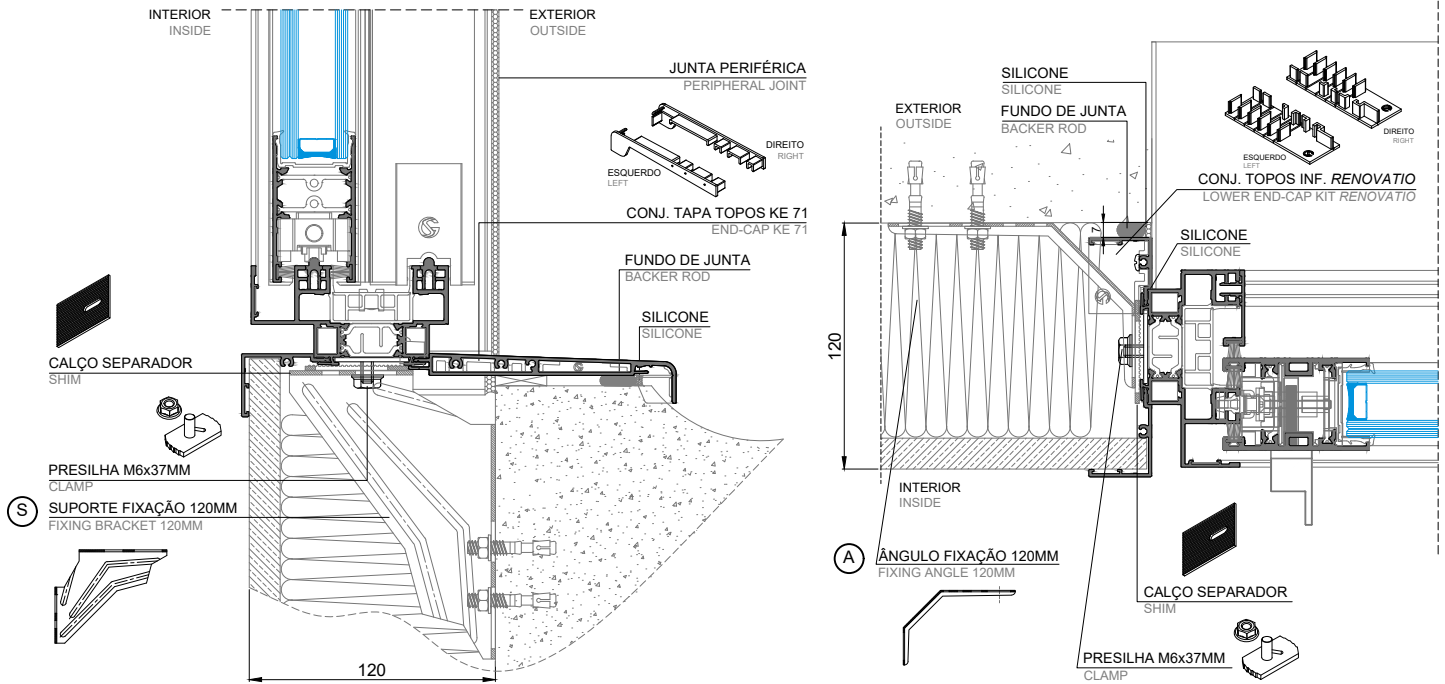
Suporte Fixação 120mm ou 140mm  
Fixing bracket 120mm or 140mm

Peso máximo de vidro permitido: 35Kg/m<sup>2</sup>  
Maximum glass weight allowed: 35Kg/m<sup>2</sup>

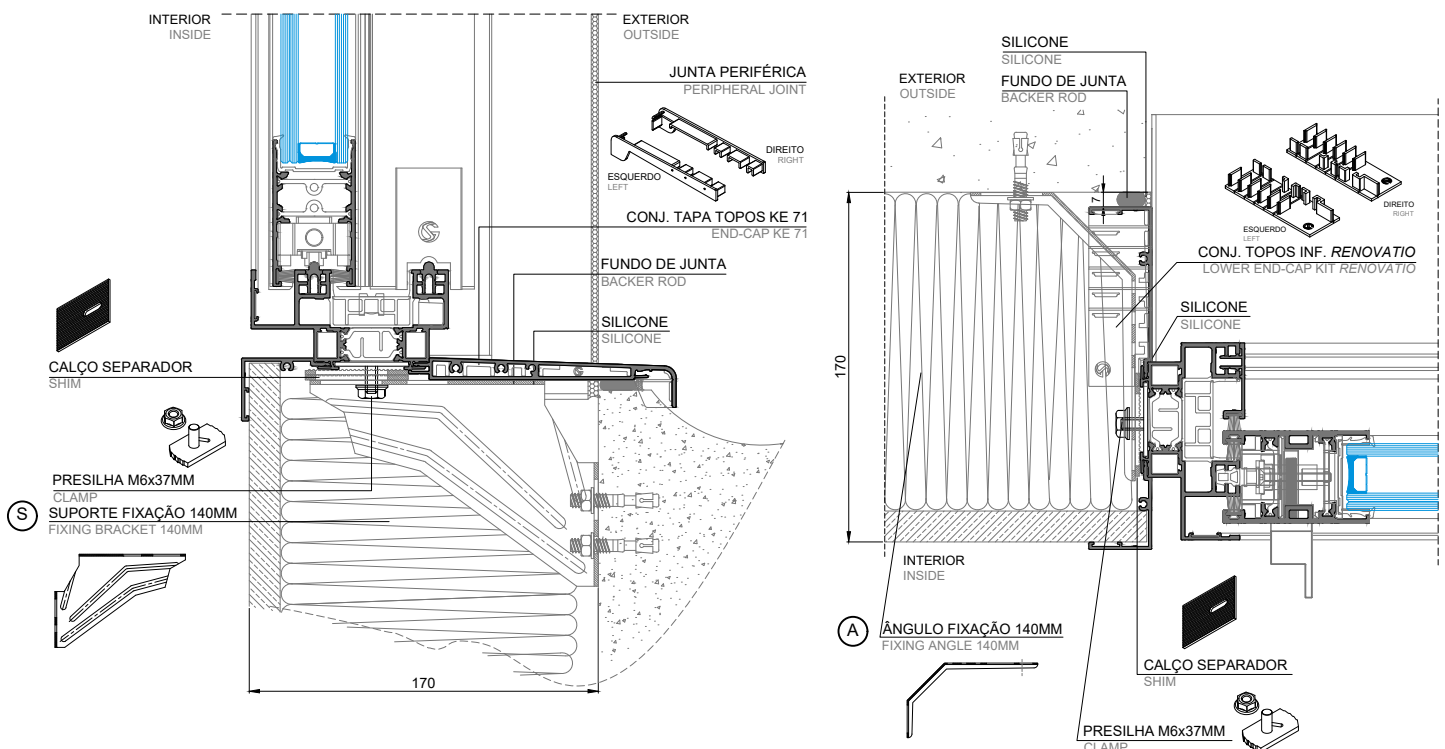


## APLICAÇÃO DAS PEÇAS DE FIXAÇÃO FIXING PARTS APPLICATION

### A) PAINEL ISOLANTE DE 120MM 120MM INSULATION PANEL



### B) PAINEL ISOLANTE DE 140MM 140MM INSULATION PANEL





## MAQUINAÇÃO DOS PERFIS ARO FIXO

### FIXED FRAME PROFILES MACHINING

|                                                                                                                                                 |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>MAQUINAÇÃO DOS PERFIS ARO FIXO FR E PT (CORTE 45°)</b><br>FR AND PT FIXED FRAME PROFILES MACHINING (45° CUT)                                 | <b>54</b> |
| <b>MAQUINAÇÃO DOS PERFIS PARA APLICAÇÃO COM SOLEIRA 30MM (CORTE 90°)</b><br>PROFILES MACHINING FOR APPLICATION WITH 30MM SILL PROFILE (90° CUT) | <b>56</b> |

## MAQUINAÇÕES DOS PERFIS ARO FIXO FR E PT (CORTE 45°)

### FR E PT FIXED FRAMES PROFILES MACHINING (45° CUT)

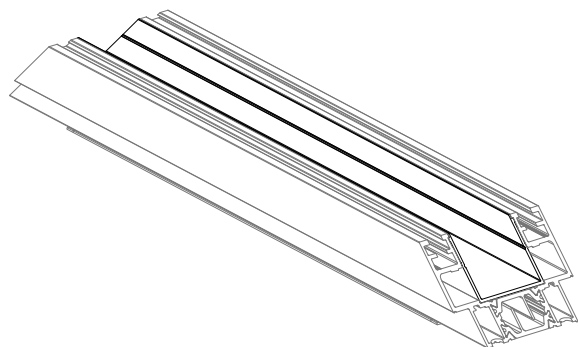
#### 1 - Corte dos perfis para os aros fixos e do perfil PVC U.

Fixed frame profiles and U PVC profile cutting.

##### PASSO | STEP 1:

Cortar os perfis para o aro fixo e o perfil PVC U em simultâneo em barras de 6,5m.

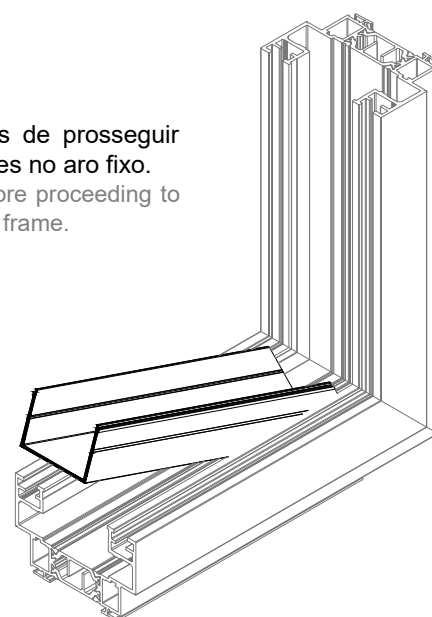
Cut the fixed frame profiles and U PVC profile simultaneously in 6,5m bars.



##### PASSO | STEP 2:

Separar o perfil PVC U antes de prosseguir para a realização das operações no aro fixo.

Separate the U PVC profile before proceeding to carry out operations on the fixed frame.



#### 2 - Maquinação dos perfis de aro fixo FR.

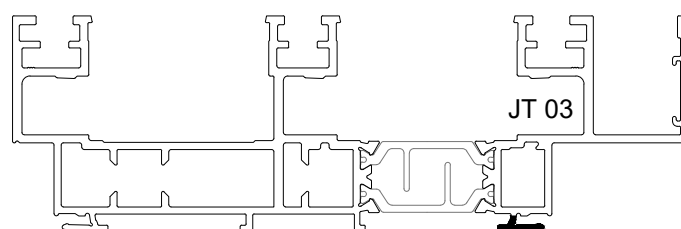
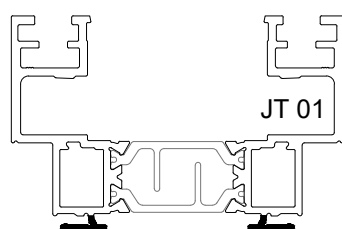
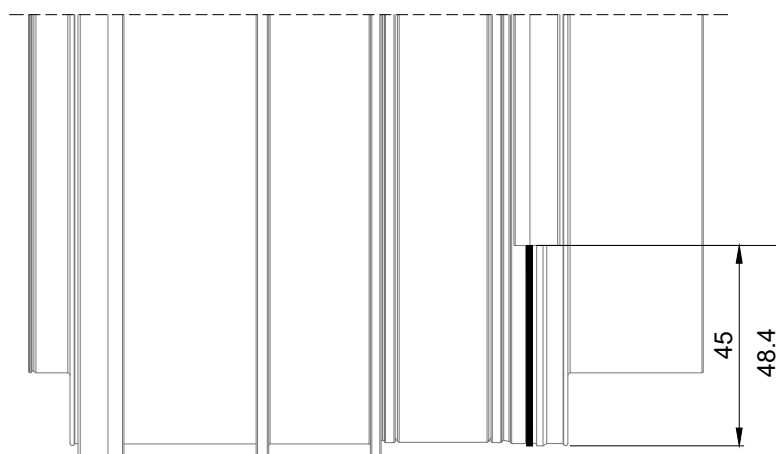
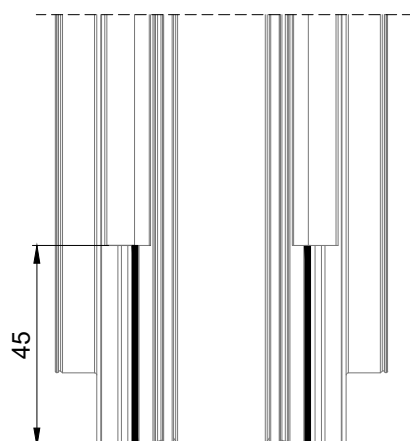
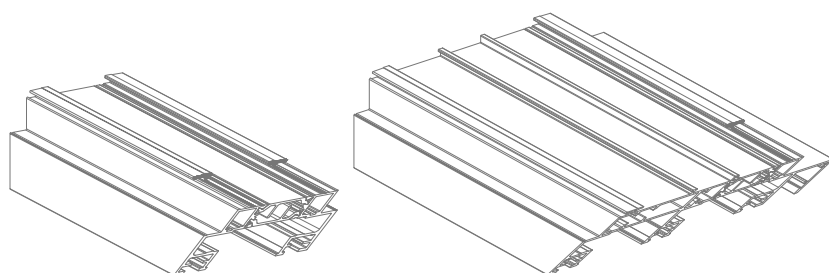
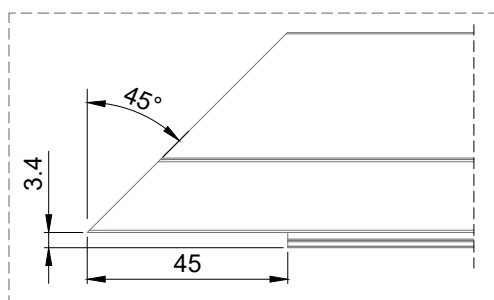
**Seguir este procedimento em todos os perfis de aro fixo FR.**

FR fixed frame profiles machining.

Follow this procedure in all FR fixed frame profiles.

##### IMPORTANT | IMPORTANTE:

Esta mecanização não é necessária nos aros fixos PT.  
This mechanization is not necessary in PT fixed frames.



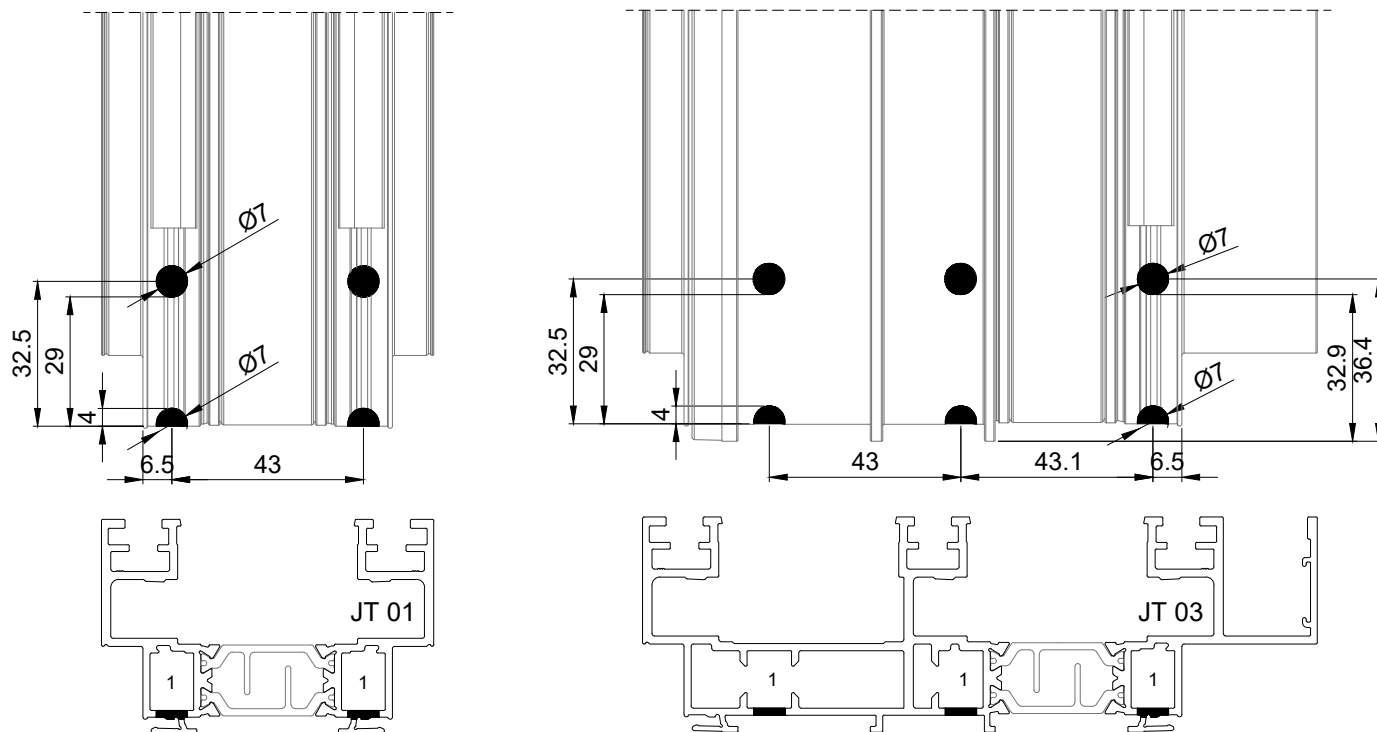
## MAQUINAÇÕES DOS PERFIS ARO FIXO FR E PT (CORTE 45°) FR E PT FIXED FRAMES PROFILES MACHINING (45° CUT)

3 - Fresagens nos perfis de aro fixo **FR** para aplicação dos esquadros.

**Seguir este procedimento em todos os perfis de aro fixo FR.**

FR fixed frame profiles milling for corner cleat application.

Follow this procedure in all FR fixed frame profiles.

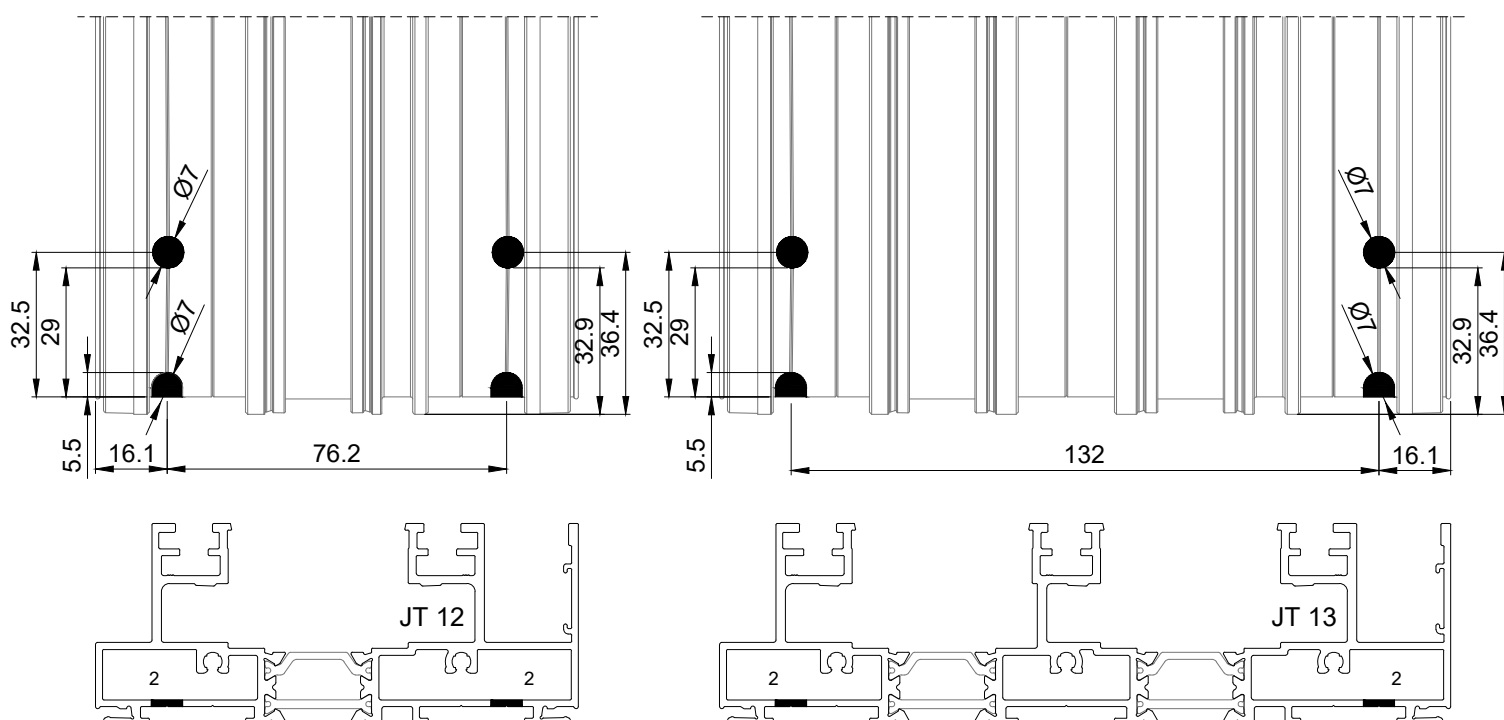


4 - Fresagens nos perfis de aro fixo **PT** para aplicação dos esquadros.

**Seguir este procedimento em todos os perfis de aro fixo PT.**

PT fixed frame profiles milling for corner cleat application.

Follow this procedure in all PT fixed frame profiles.



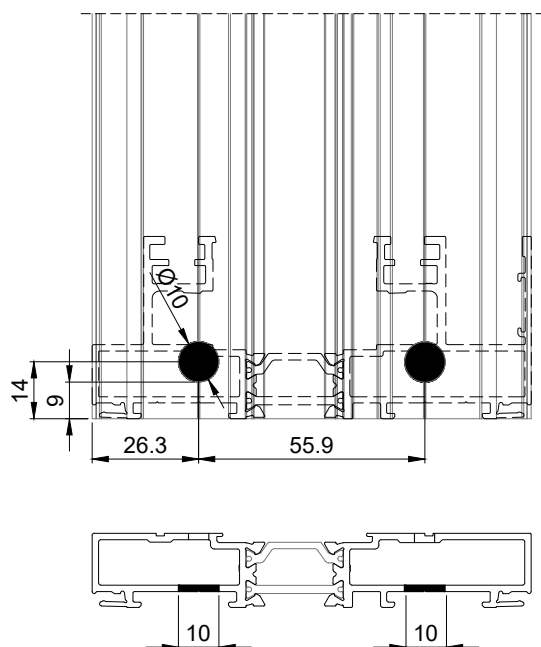
1 - ESQUADRO | CORNER CLEAT JT 12x9.5

2 - ESQUADRO | CORNER CLEAT JT 11x20.5

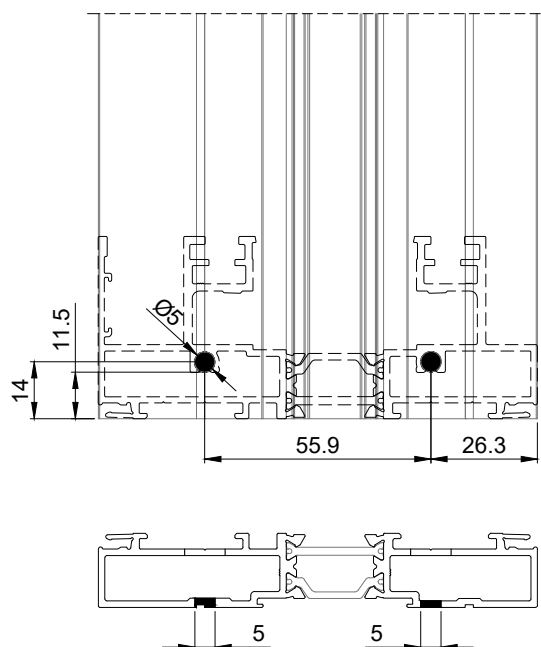
# MAQUINAÇÃO DOS PERFIS PARA APLICAÇÃO COM SOLEIRA 30MM (CORTE 90°) PROFILES MACHINING FOR APPLICATION WITH 30MM SILL (90° CUT)

## 1 - Furação do perfil ombreira JT18. JT18 jamb profile drilling.

### FURAÇÃO POSTERIOR | BACK DRILLING

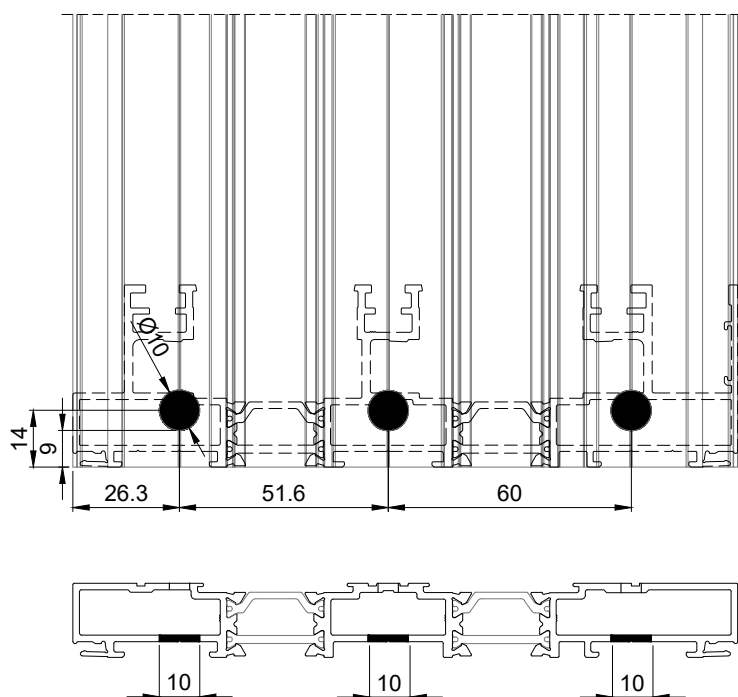


### FURAÇÃO FRONTAL | FRONT DRILLING

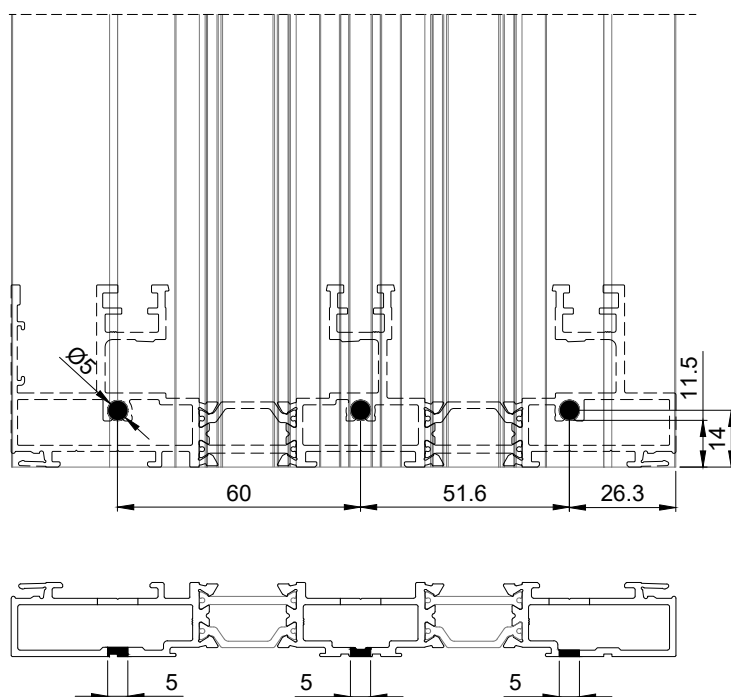


## 2 - Furação do perfil ombreira JT28. JT28 jamb profile drilling.

### FURAÇÃO POSTERIOR | BACK DRILLING



### FURAÇÃO FRONTAL | FRONT DRILLING

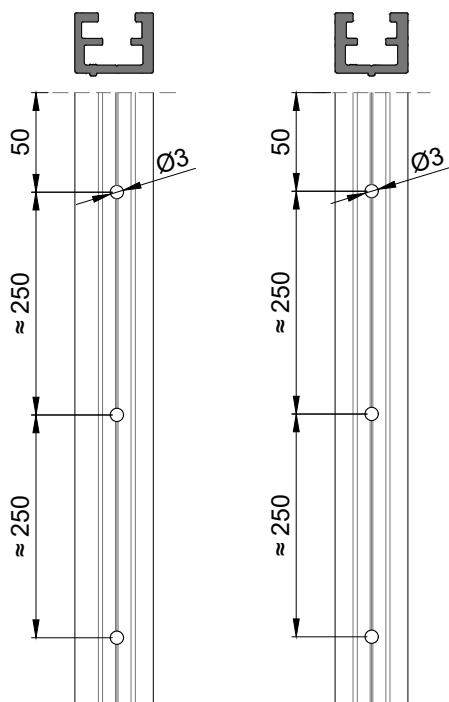


## MAQUINAÇÃO DOS PERFIS PARA APLICAÇÃO COM SOLEIRA 30MM (CORTE 90°)

### PROFILES MACHINING FOR APPLICATION WITH 30MM SILL (90° CUT)

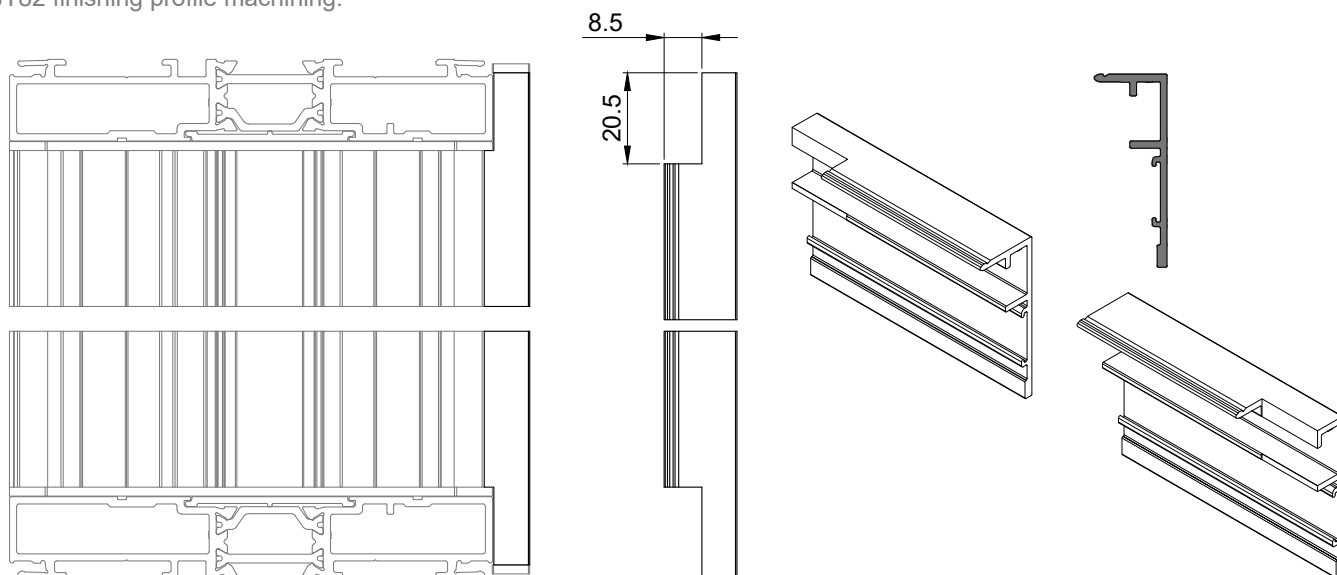
#### 3 - Furação dos perfis guias laterais JT78 and JT79.

JT78 and JT79 lateral guides profiles drilling.



#### 4 - Mecanização do perfil de remate JT82.

JT82 finishing profile machining.



**DRENAGENS POR TIPOLOGIA**  
DRAINAGE BY FRAME TYPOLOGY

|                                                                                                   |           |
|---------------------------------------------------------------------------------------------------|-----------|
| <b>DRENAGEM DE PERFIS ARO FIXO FR E PT (CORTE 45°)</b><br>FIXED FRAME PROFILES DRAINAGE (45° CUT) | <b>59</b> |
| <b>DRENAGEM DE PERFIL SOLEIRA 30MM (CORTE 90°)</b><br>30MM SILL PROFILE DRAINAGE (90° CUT)        | <b>69</b> |

# DRENAGENS POR TIPOLOGIA

## DRAINAGE BY FRAME TYPOLOGY

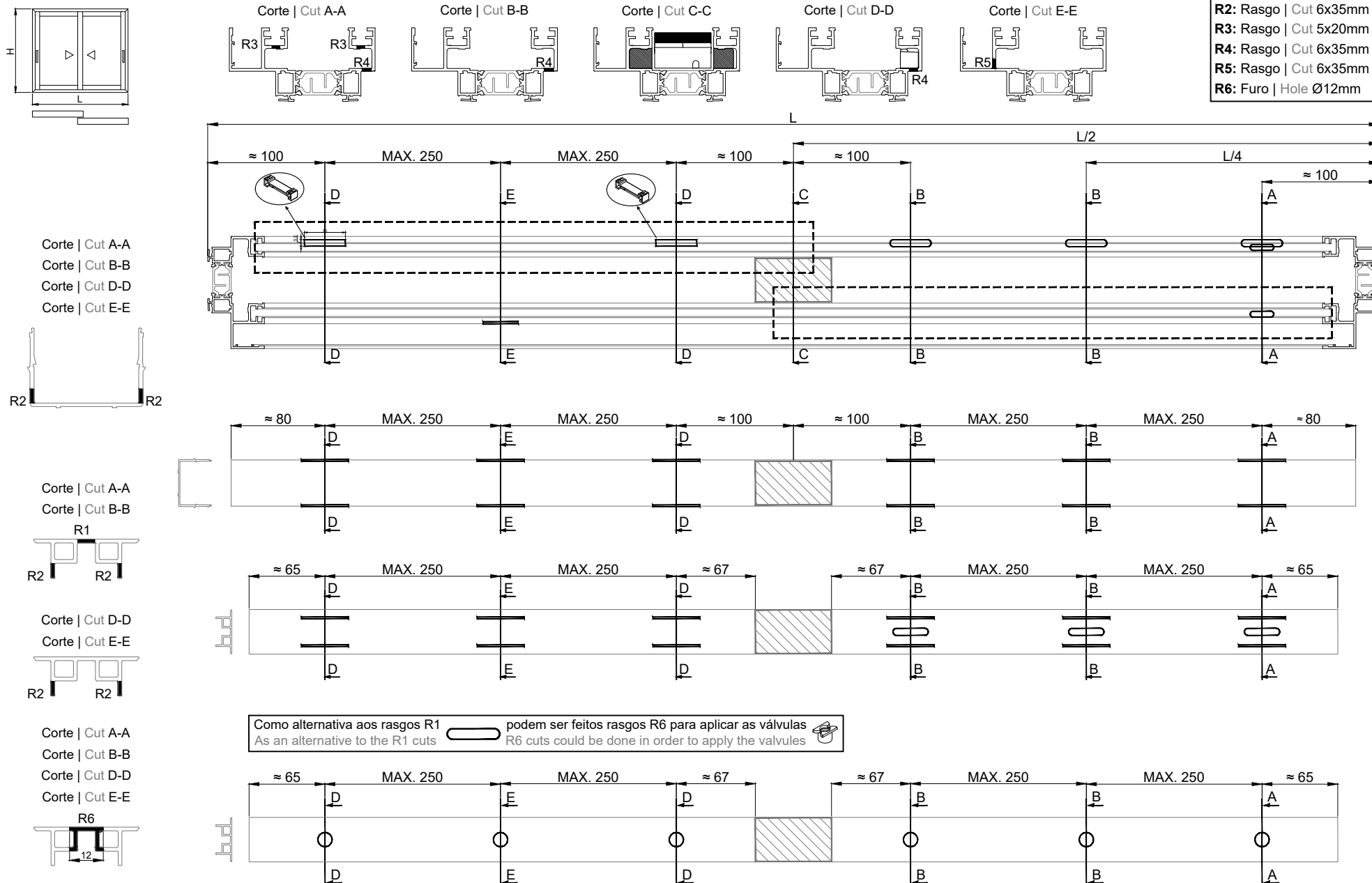
1 - Pormenores de drenagem para os perfis de aro fixo 2rail JT01, JT02, JT04 e perfis de PVC para tipologias de 2 folhas.

**Seguir este procedimento em todos os perfis 2rail.**

Drainage details of fixed frame profiles JT01, JT02, JT04 and PVC profiles for 2 leaves 2rail typology.

Follow this procedure in all 2rail fixed frame profiles.

R1: Rasgo | Cut 6x30mm  
R2: Rasgo | Cut 6x35mm  
R3: Rasgo | Cut 5x20mm  
R4: Rasgo | Cut 6x35mm  
R5: Rasgo | Cut 6x35mm  
R6: Furo | Hole Ø12mm





## DRENAGENS POR TIPOLOGIA

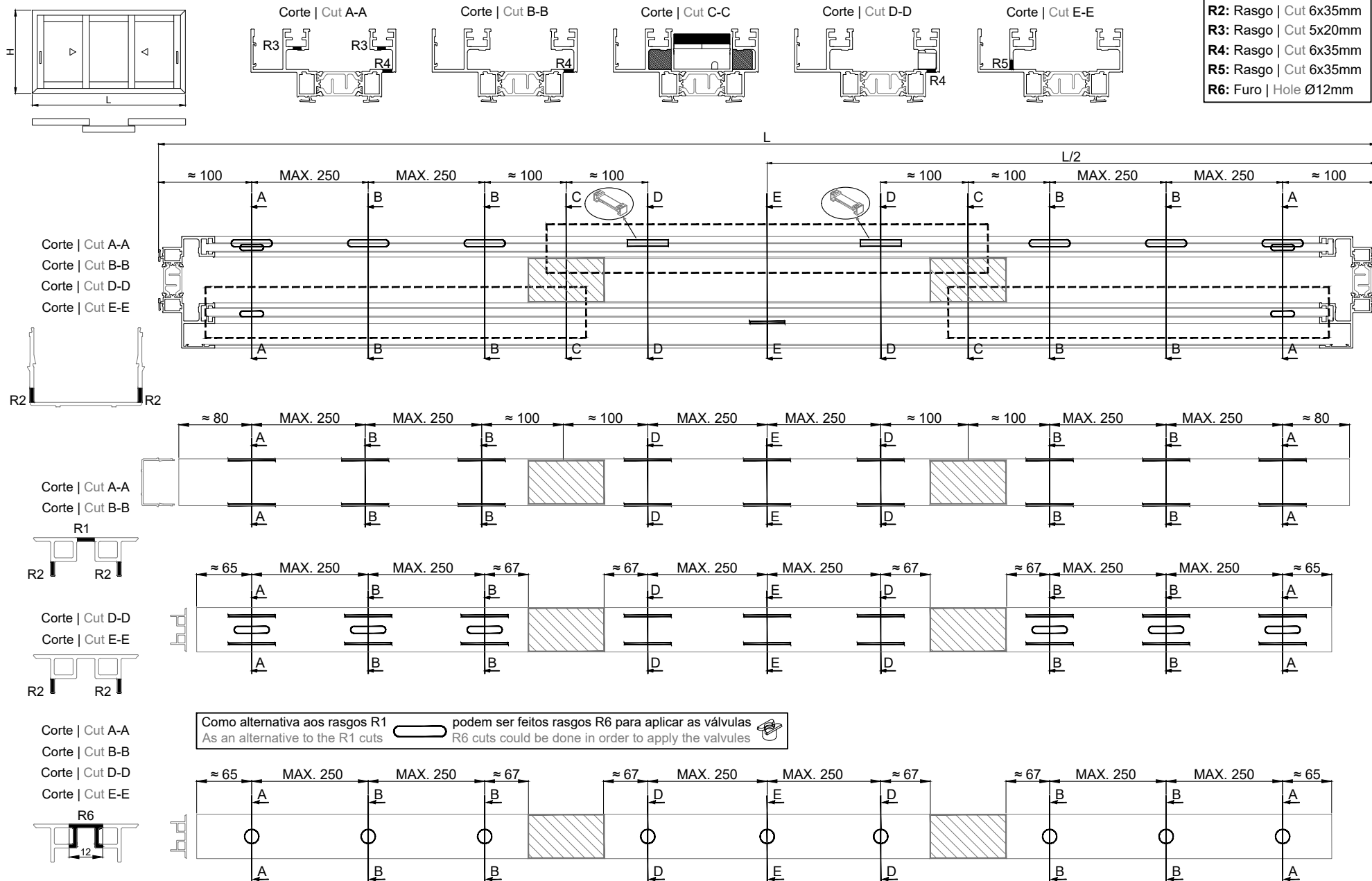
### DRAINAGE BY FRAME TYPOLOGY

2 - Pormenores de drenagem para os perfis de aro fixo 2rail JT01, JT02, JT04 e perfis de PVC para tipologias de 3 folhas.

**Seguir este procedimento em todos os perfis 2rail.**

Drainage details of fixed frame profiles JT01, JT02, JT04 and PVC profiles for 3 leaves 2rail typology.

**Follow this procedure in all 2rail fixed frame profiles.**



## DRENAGENS POR TIPOLOGIA

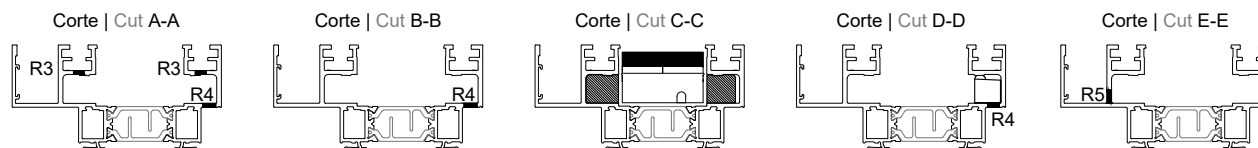
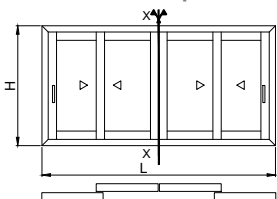
### DRAINAGE BY FRAME TYPOLOGY

3 - Pormenores de drenagem para os perfis de aro fixo 2rail JT01, JT02, JT04 e perfis de PVC para tipologias de 4 folhas.

**Seguir este procedimento em todos os perfis 2rail.**

Drainage details of fixed frame profiles JT01, JT02, JT04 and PVC profiles for 4 leaves 2rail typology.

**Follow this procedure in all 2rail fixed frame profiles.**



R1: Rasgo | Cut 6x30mm  
R2: Rasgo | Cut 6x35mm  
R3: Rasgo | Cut 5x20mm  
R4: Rasgo | Cut 6x35mm  
R5: Rasgo | Cut 6x35mm  
R6: Furo | Hole Ø12mm

Corte | Cut A-A

Corte | Cut B-B

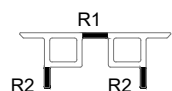
Corte | Cut D-D

Corte | Cut E-E



Corte | Cut A-A

Corte | Cut B-B



Corte | Cut D-D

Corte | Cut E-E

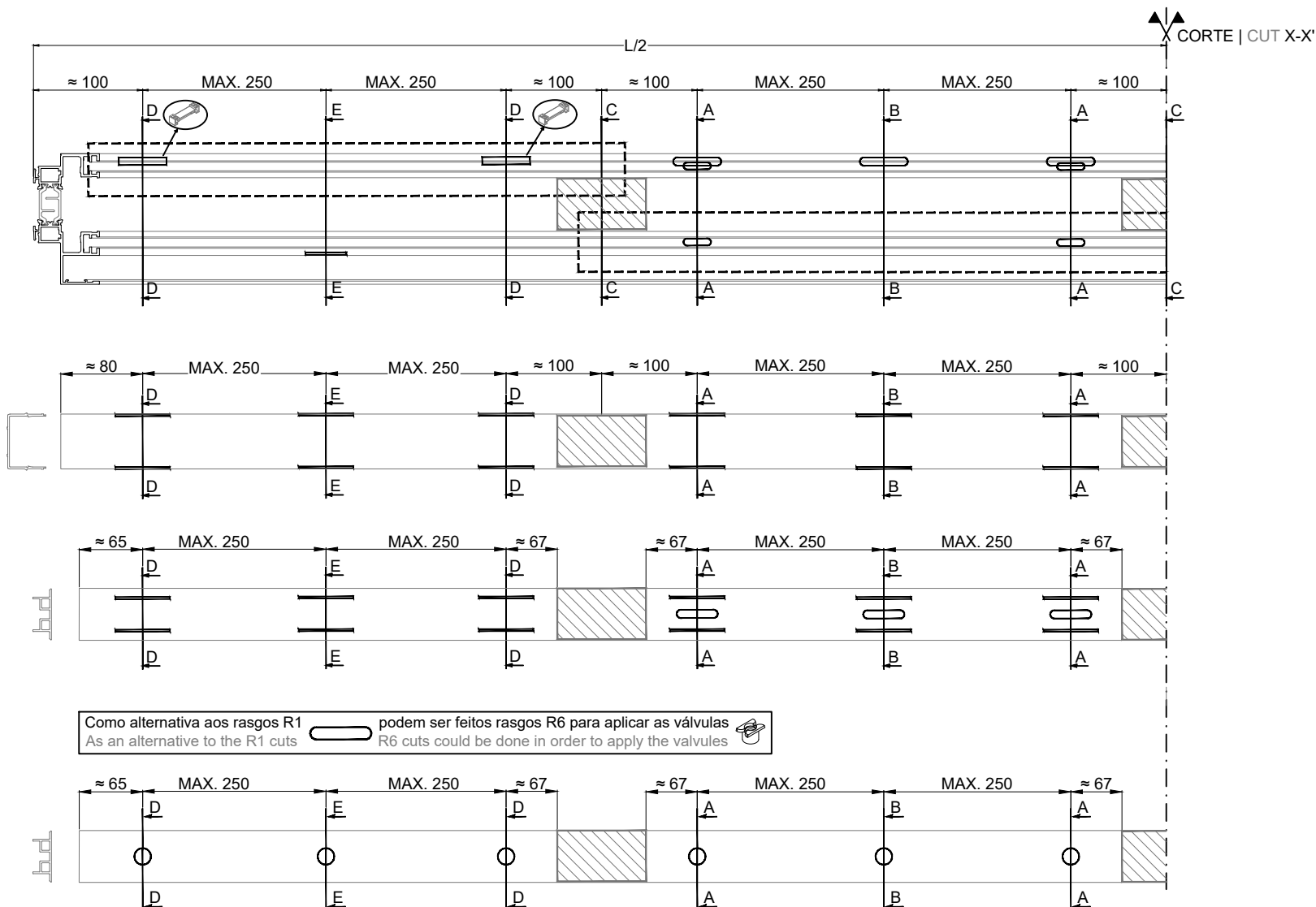
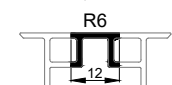


Corte | Cut A-A

Corte | Cut B-B

Corte | Cut D-D

Corte | Cut E-E

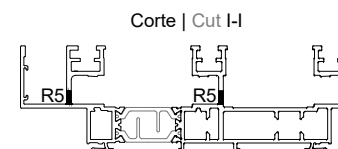
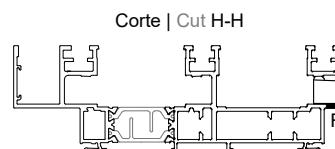
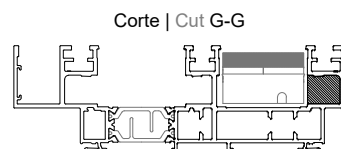
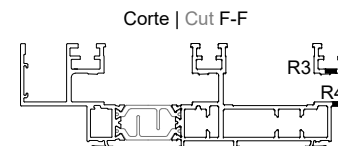
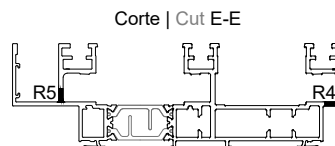
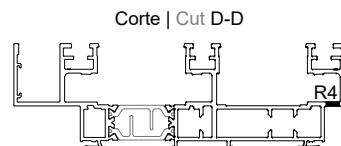
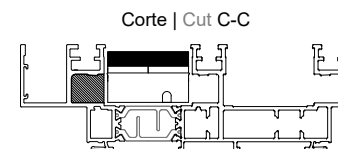
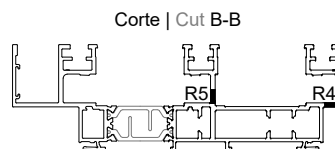
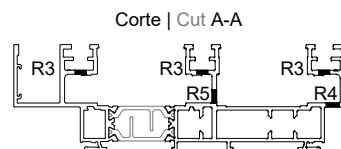
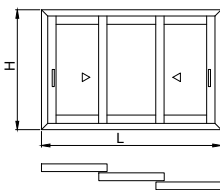


## DRENAGENS POR TIPOLOGIA

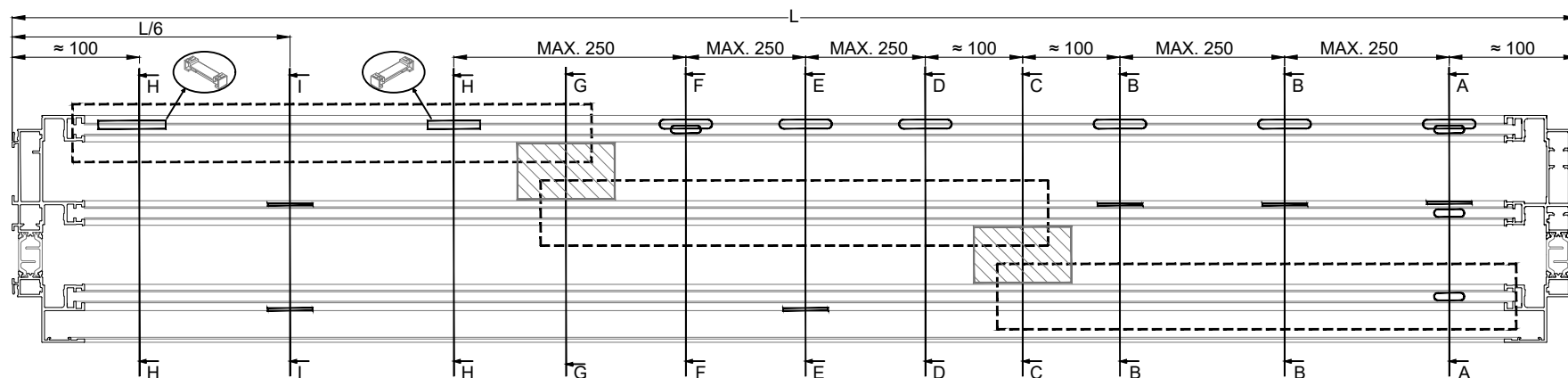
### DRAINAGE BY FRAME TYPOLOGY

#### 4 - Pormenores de drenagem para o perfil de aro fixo 3rail JT03 e perfis de PVC para tipologias de 3 folhas.

Drainage details of fixed frame profile JT03 and PVC profiles for 3 leaves 3rail typology.

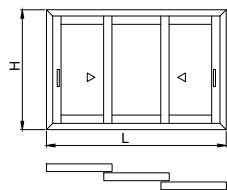


- R1:** Rasgo | Cut 6x30mm
- R2:** Rasgo | Cut 6x35mm
- R3:** Rasgo | Cut 5x20mm
- R4:** Rasgo | Cut 6x35mm
- R5:** Rasgo | Cut 6x35mm
- R6:** Furo | Hole Ø12mm

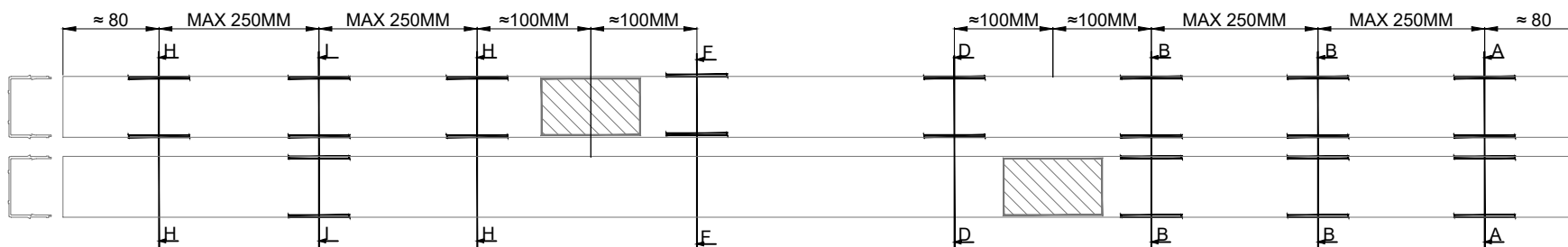


## DRAINAGE BY FRAME TYPOLOGY

Drainage details of fixed frame and PVC profiles for 3 leaves 3rail typology.

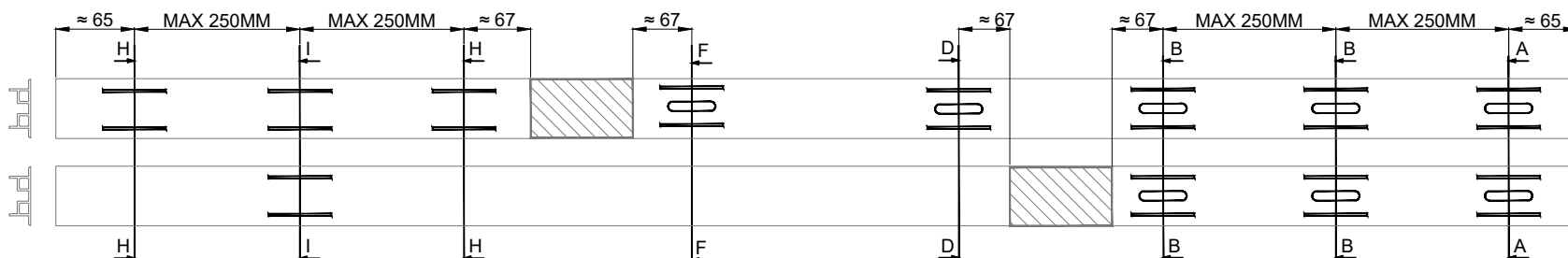


**R6:** Furo | Hole Ø12mm

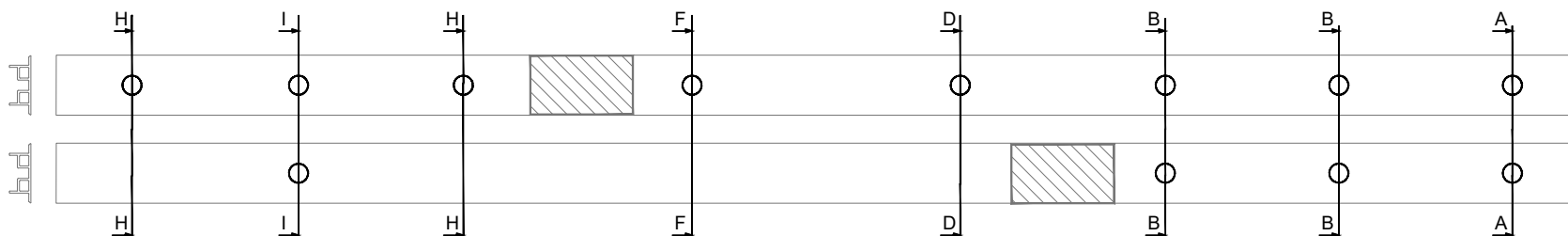


A schematic diagram of a beam with three supports. A central support is labeled R1, and two side supports are labeled R2. The beam is represented by a horizontal line with a central section above it and two sections below it, indicating a continuous structure.

A schematic diagram of a two-span continuous beam. The beam is represented by a horizontal line with a slight downward curve. It is supported by two rectangular supports, each labeled 'R2' below it. The beam extends beyond the supports on both ends.



Technical drawing of a U-profile cross-section. The profile has a fillet radius labeled **R6** and a width labeled **12**.



# DRENAGENS POR TIPOLOGIA

## DRAINAGE BY FRAME TYPOLOGY

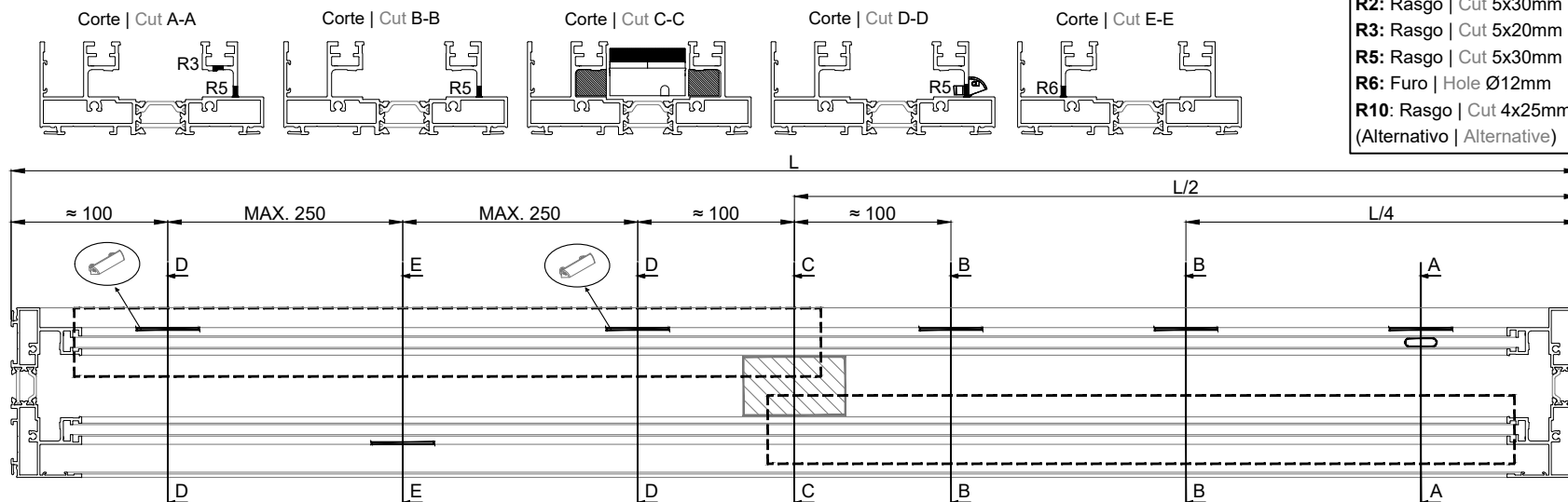
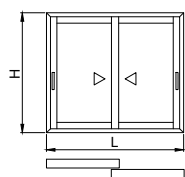
5 - Pormenores de drenagem para os perfis de aro fixo 2rail JT12, JT14 e perfis de PVC para tipologias de 2 folhas.

**Seguir este procedimento em todos os perfis 2rail.**

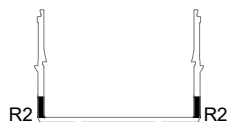
Drainage details of fixed frame profile JT12, JT14 and PVC profiles for 2 leaves 2rail typology.

**Follow this procedure in all 2rail fixed frame profiles.**

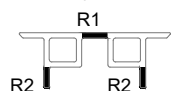
**R1:** Rasgo | Cut 6x30mm  
**R2:** Rasgo | Cut 5x30mm  
**R3:** Rasgo | Cut 5x20mm  
**R5:** Rasgo | Cut 5x30mm  
**R6:** Furo | Hole Ø12mm  
**R10:** Rasgo | Cut 4x25mm  
 (Alternativo | Alternative)



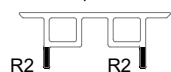
Corte | Cut A-A  
 Corte | Cut B-B  
 Corte | Cut D-D  
 Corte | Cut E-E



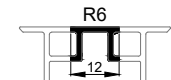
Corte | Cut A-A  
 Corte | Cut B-B



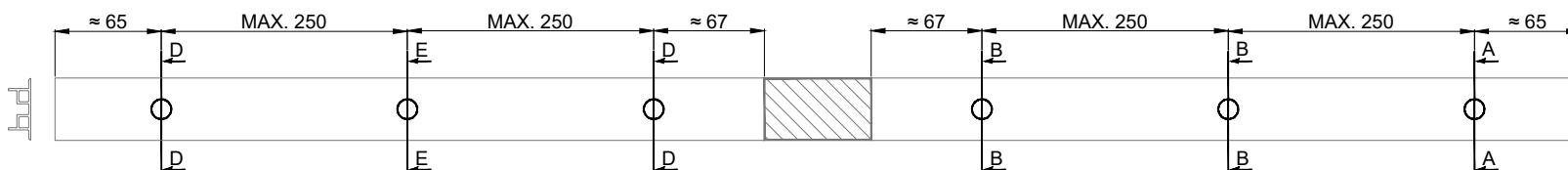
Corte | Cut D-D  
 Corte | Cut E-E



Corte | Cut A-A  
 Corte | Cut B-B  
 Corte | Cut D-D  
 Corte | Cut E-E



Como alternativa aos rasgos R1 podem ser feitos rasgos R6 para aplicar as válvulas  
 As an alternative to the R1 cuts R6 cuts could be done in order to apply the valves



# DRENAGENS POR TIPOLOGIA

## DRAINAGE BY FRAME TYPOLOGY

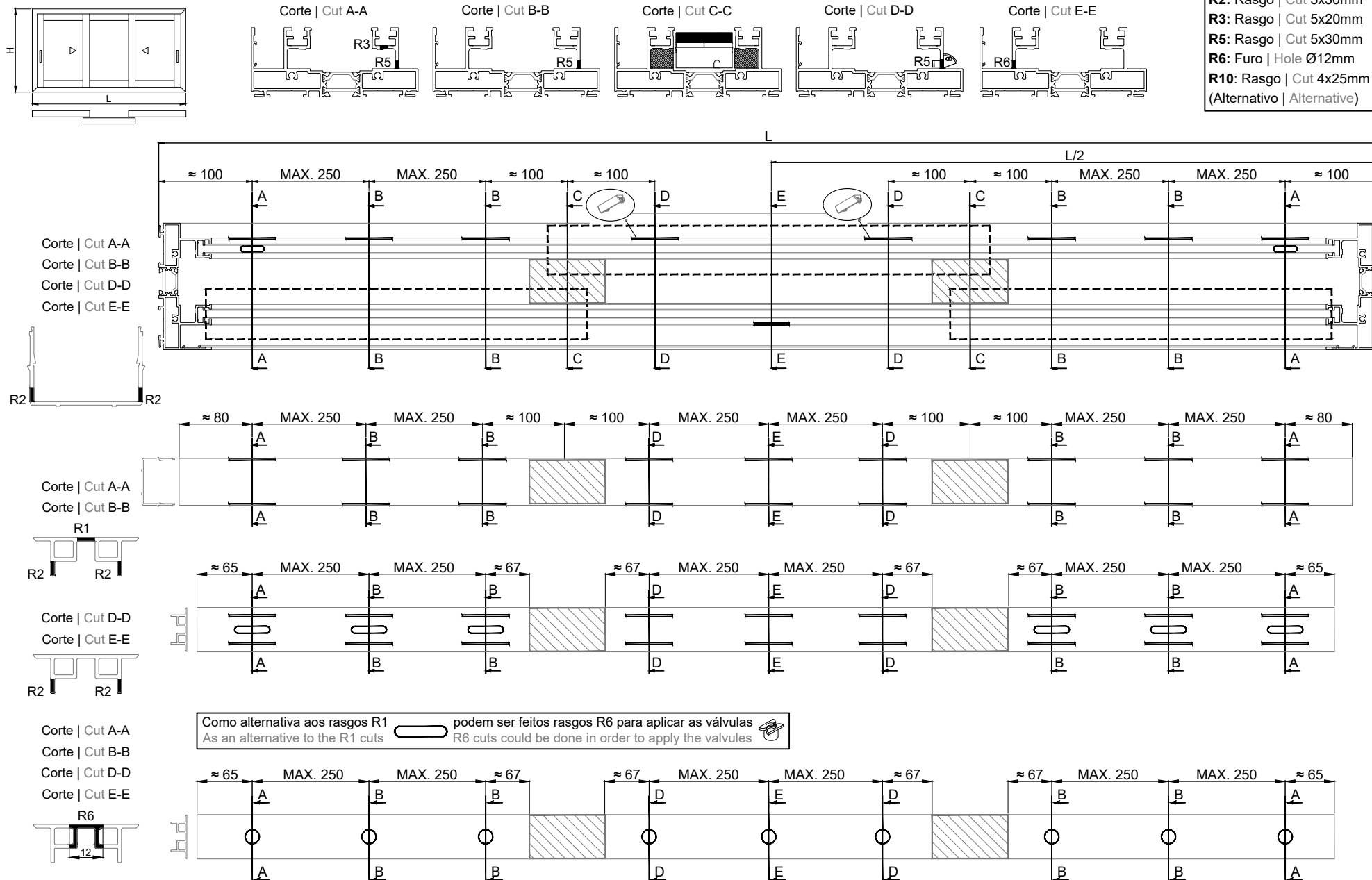
6 - Pormenores de drenagem para os perfis de aro fixo 2rail JT12, JT14 e perfis de PVC para tipologias de 3 folhas.

**Seguir este procedimento em todos os perfis 2rail.**

Drainage details of fixed frame profiles JT12, JT14 and PVC profiles for 3 leaves 2rail typology.

**Follow this procedure in all 2rail fixed frame profiles.**

**R1:** Rasgo | Cut 6x30mm  
**R2:** Rasgo | Cut 5x30mm  
**R3:** Rasgo | Cut 5x20mm  
**R5:** Rasgo | Cut 5x30mm  
**R6:** Furo | Hole Ø12mm  
**R10:** Rasgo | Cut 4x25mm  
 (Alternativo | Alternative)



## DRENAGENS POR TIPOLOGIA

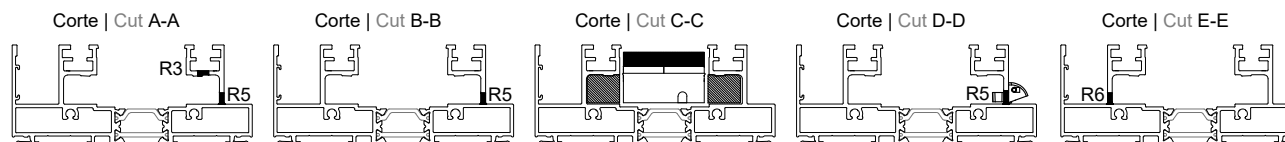
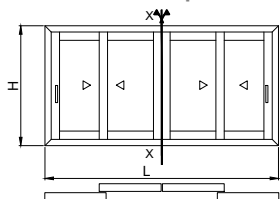
### DRAINAGE BY FRAME TYPOLOGY

7 - Pormenores de drenagem para os perfis de aro fixo 2rail JT12, JT14 e perfis de PVC para tipologias de 4 folhas.

**Seguir este procedimento em todos os perfis 2rail.**

Drainage details of fixed frame profiles JT12, JT14 and PVC profiles for 4 leaves 2rail typology.

**Follow this procedure in all 2rail fixed frame profiles.**



**R1:** Rasgo | Cut 6x30mm  
**R2:** Rasgo | Cut 5x30mm  
**R3:** Rasgo | Cut 5x20mm  
**R5:** Rasgo | Cut 5x30mm  
**R6:** Furo | Hole Ø12mm  
**R10:** Rasgo | Cut 4x25mm  
 (Alternativo | Alternative)

Corte | Cut A-A

Corte | Cut B-B

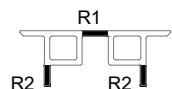
Corte | Cut D-D

Corte | Cut E-E



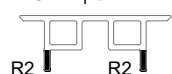
Corte | Cut A-A

Corte | Cut B-B



Corte | Cut D-D

Corte | Cut E-E

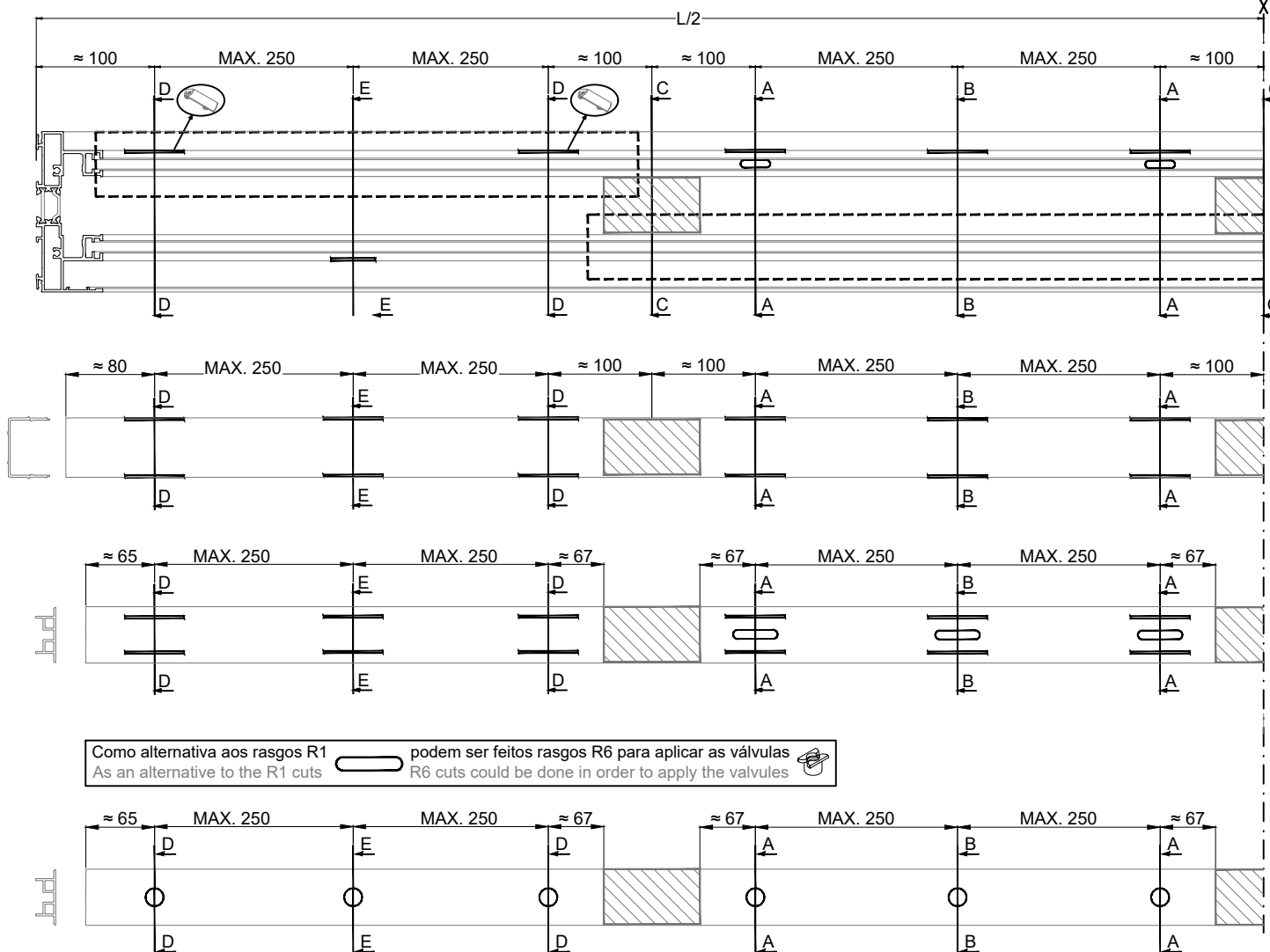
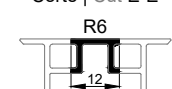


Corte | Cut A-A

Corte | Cut B-B

Corte | Cut D-D

Corte | Cut E-E

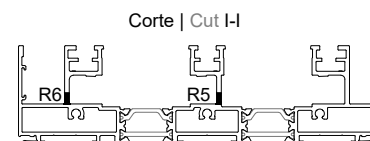
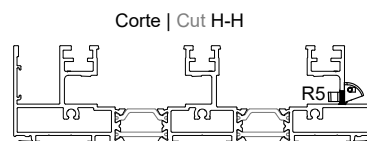
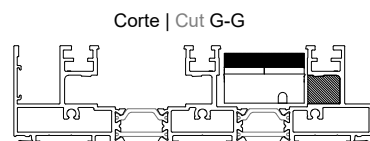
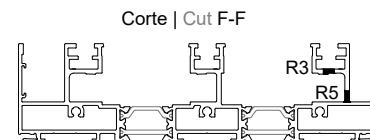
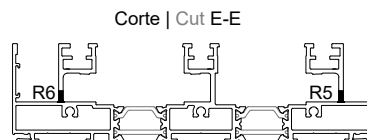
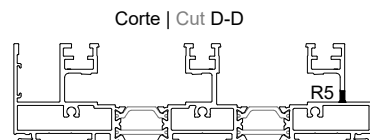
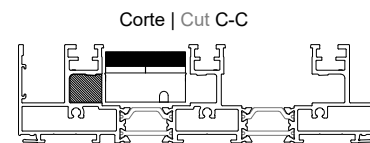
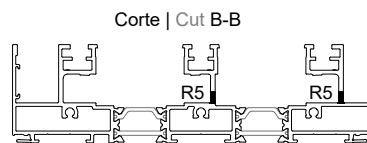
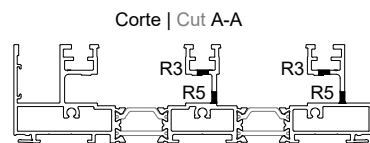
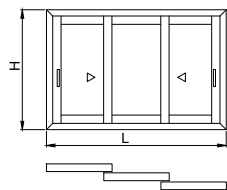


## DRENAGENS POR TIPOLOGIA

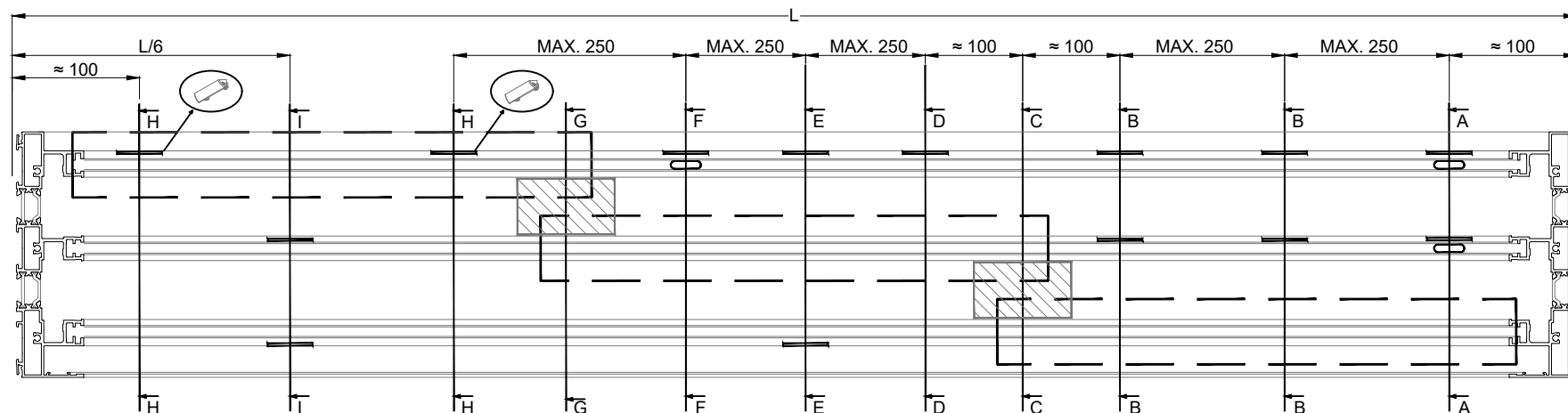
### DRAINAGE BY FRAME TYPOLOGY

8 - Pormenores de drenagem para o perfil de aro fixo 3rail JT13 e perfis de PVC para tipologias de 3 folhas.

Drainage details of fixed frame profile JT13 and PVC profiles for 3 leaves 3rail typology.



**R1:** Rasgo | Cut 6x30mm  
**R2:** Rasgo | Cut 5x30mm  
**R3:** Rasgo | Cut 5x20mm  
**R5:** Rasgo | Cut 5x30mm  
**R6:** Furo | Hole Ø12mm  
**R10:** Rasgo | Cut 4x25mm  
 (Alternativo | Alternative)



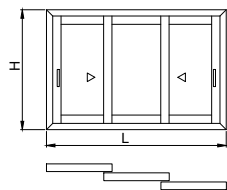


## DRENAGENS POR TIPOLOGIA

### DRAINAGE BY FRAME TYPOLOGY

#### 8 - Pormenores de drenagem para o perfil de aro fixo 3rail JT13 e perfis de PVC para tipologias de 3 folhas.

Drainage details of fixed frame profile JT13 and PVC profiles for 3 leaves 3rail typology.

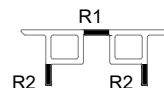


Corte | Cut A-A  
Corte | Cut B-B  
Corte | Cut D-D

Corte | Cut F-F  
Corte | Cut I-I  
Corte | Cut H-H



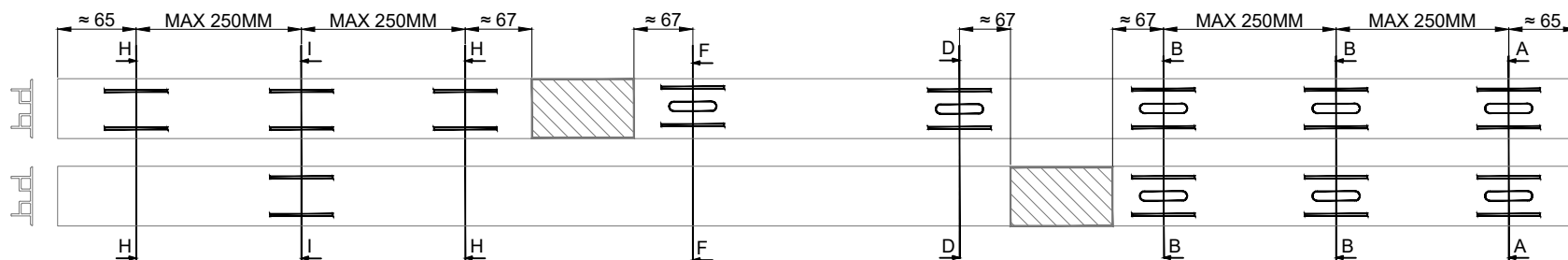
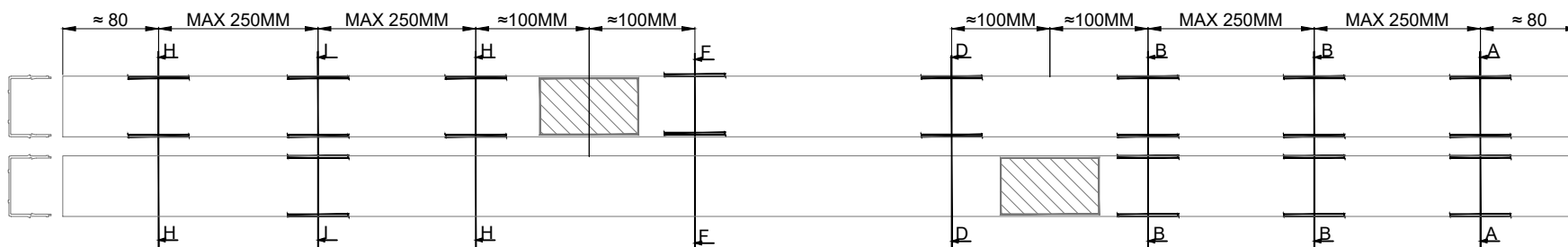
Corte | Cut A-A  
Corte | Cut B-B  
Corte | Cut D-D  
Corte | Cut F-F



Corte | Cut H-H  
Corte | Cut I-I

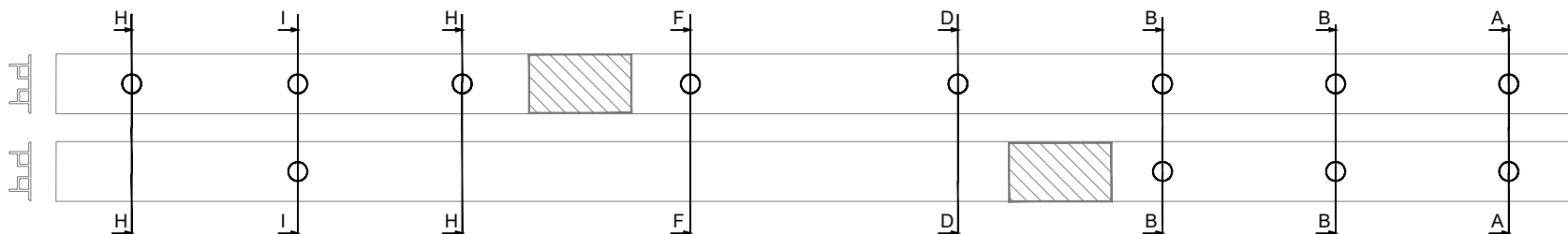
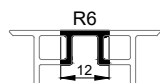


**R1:** Rasgo | Cut 6x30mm  
**R2:** Rasgo | Cut 5x30mm  
**R3:** Rasgo | Cut 5x20mm  
**R5:** Rasgo | Cut 5x30mm  
**R6:** Furo | Hole Ø12mm  
**R10:** Rasgo | Cut 4x25mm  
(Alternativo | Alternative)



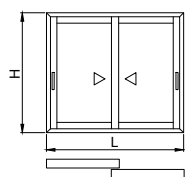
Como alternativa aos rasgos R1 podem ser feitos rasgos R6 para aplicar as válvulas  
As an alternative to the R1 cuts R6 cuts could be done in order to apply the valves

Corte | Cut A-A  
Corte | Cut B-B  
Corte | Cut D-D  
Corte | Cut F-F  
Corte | Cut H-H  
Corte | Cut I-I

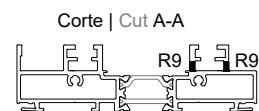


## DRAINAGE BY FRAME TYPOLOGY

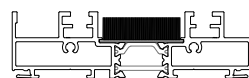
Drainage details of sill JT22 and polyamide profile for 2 leaves 2rail typology.



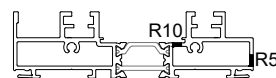
With SV-E frontal drip,



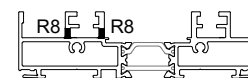
Corte | Cut B-B



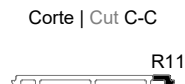
Corte | Cut C-C



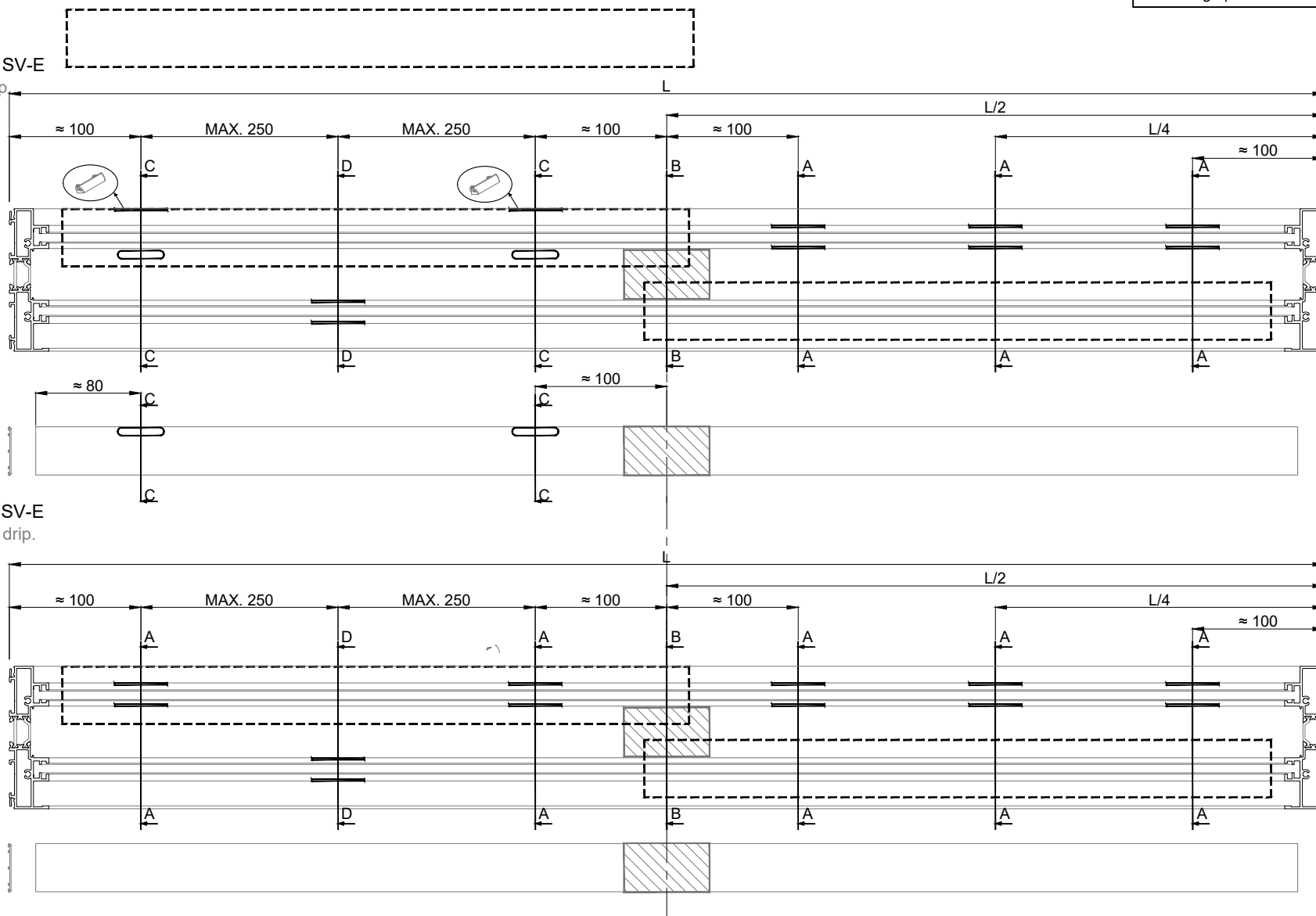
Corte | Cut D-D



|                   |            |
|-------------------|------------|
| <b>R5:</b> Rasgo  | Cut 5x30mm |
| <b>R8:</b> Rasgo  | Cut 6x30mm |
| <b>R9:</b> Rasgo  | Cut 6x30mm |
| <b>R10:</b> Rasgo | Cut 4x25mm |
| <b>R11:</b> Rasgo | Cut 5x40mm |



Without SV-E frontal drip.

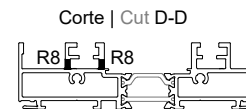
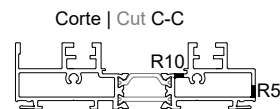
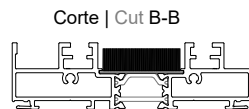
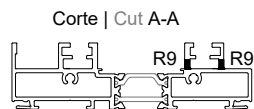
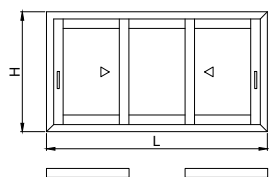


# DRENAGENS POR TIPOLOGIA

## DRAINAGE BY FRAME TYPOLOGY

### 10 - Pormenores de drenagem para soleira 2rail JT22 e perfil de poliamida para tipologias de 3 folhas.

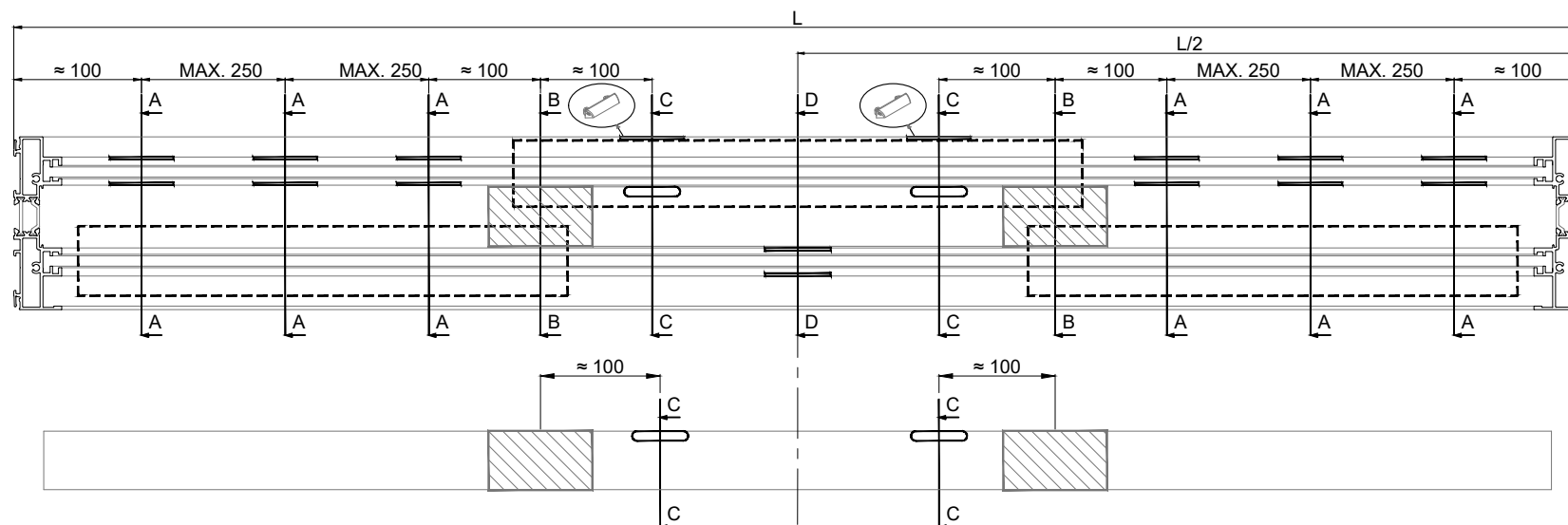
Drainage details of sill JT22 and polyamide profile for 3 leaves 2rail typology.



|                                |
|--------------------------------|
| <b>R5:</b> Rasgo   Cut 5x30mm  |
| <b>R8:</b> Rasgo   Cut 6x30mm  |
| <b>R9:</b> Rasgo   Cut 6x30mm  |
| <b>R10:</b> Rasgo   Cut 4x25mm |
| <b>R11:</b> Rasgo   Cut 5x40mm |

#### 10.1 - Com goteira frontal SV-E

With SV-E frontal drip.

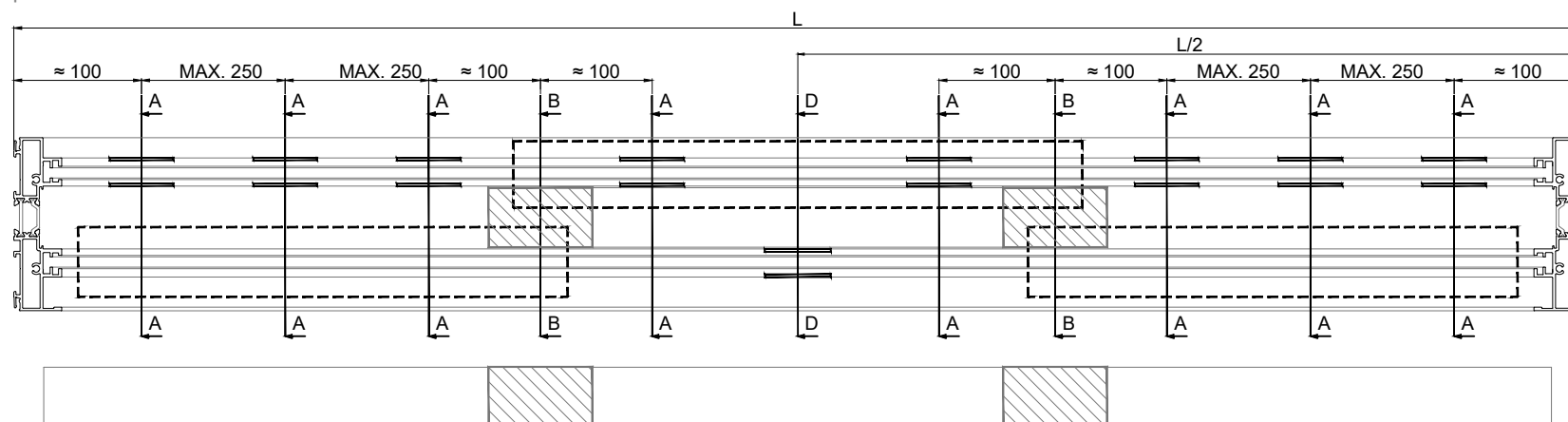


Corte | Cut C-C



#### 10.2 - Sem goteira frontal SV-E

Without SV-E frontal drip.

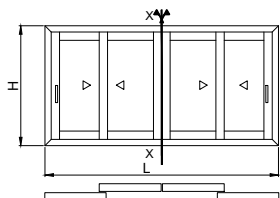


# DRENAGENS POR TIPOLOGIA

## DRAINAGE BY FRAME TYPOLOGY

### 11 - Pormenores de drenagem para soleira 2rail JT22 e perfil de poliamida para tipologias de 4 folhas.

Drainage details of sill JT22 and polyamide profile for 4 leaves 2rail typology.

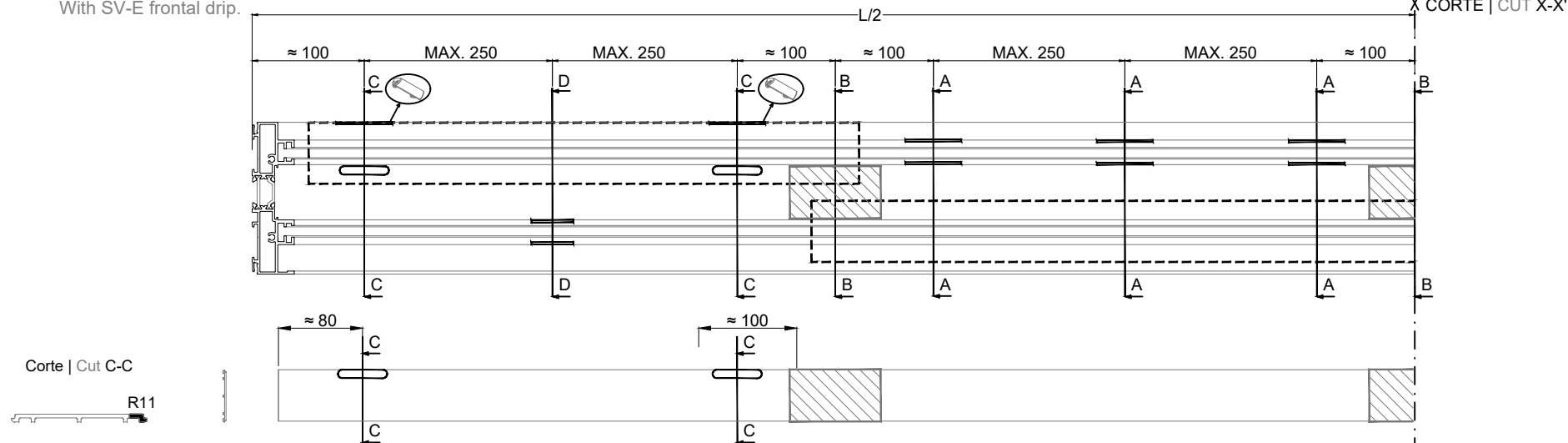


#### 11.1 - Com goteira frontal SV-E

With SV-E frontal drip.

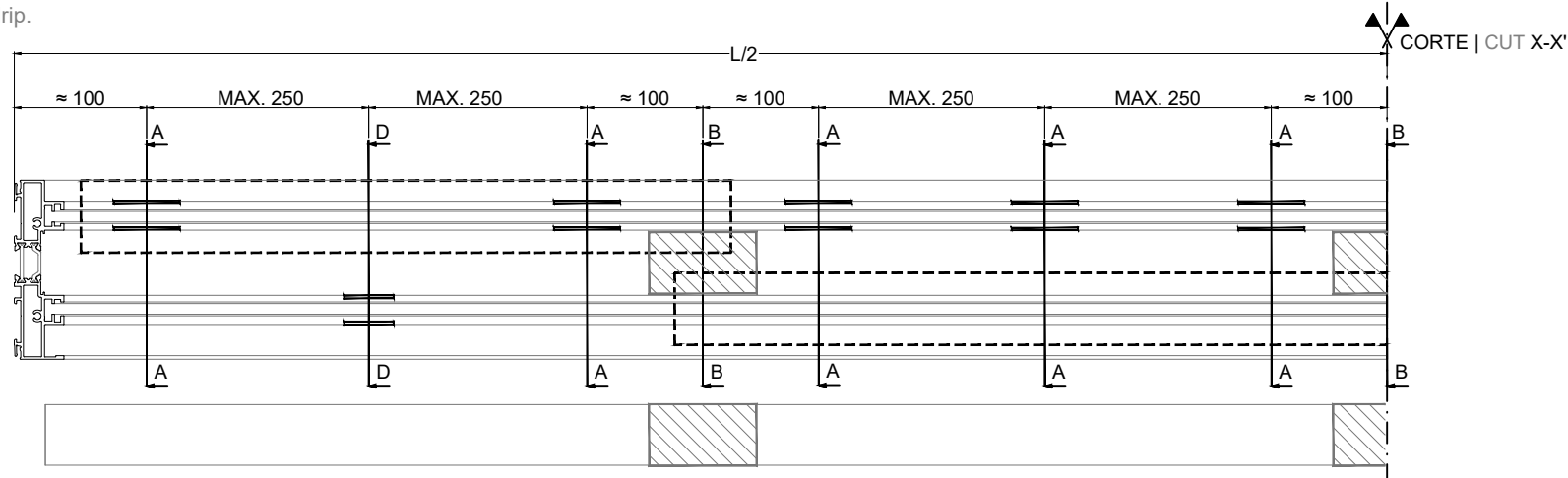


**R5:** Rasgo | Cut 5x30mm  
**R8:** Rasgo | Cut 6x30mm  
**R9:** Rasgo | Cut 6x30mm  
**R10:** Rasgo | Cut 4x25mm  
**R11:** Rasgo | Cut 5x40mm



#### 11.2 - Sem goteira frontal SV-E

Without SV-E frontal drip.

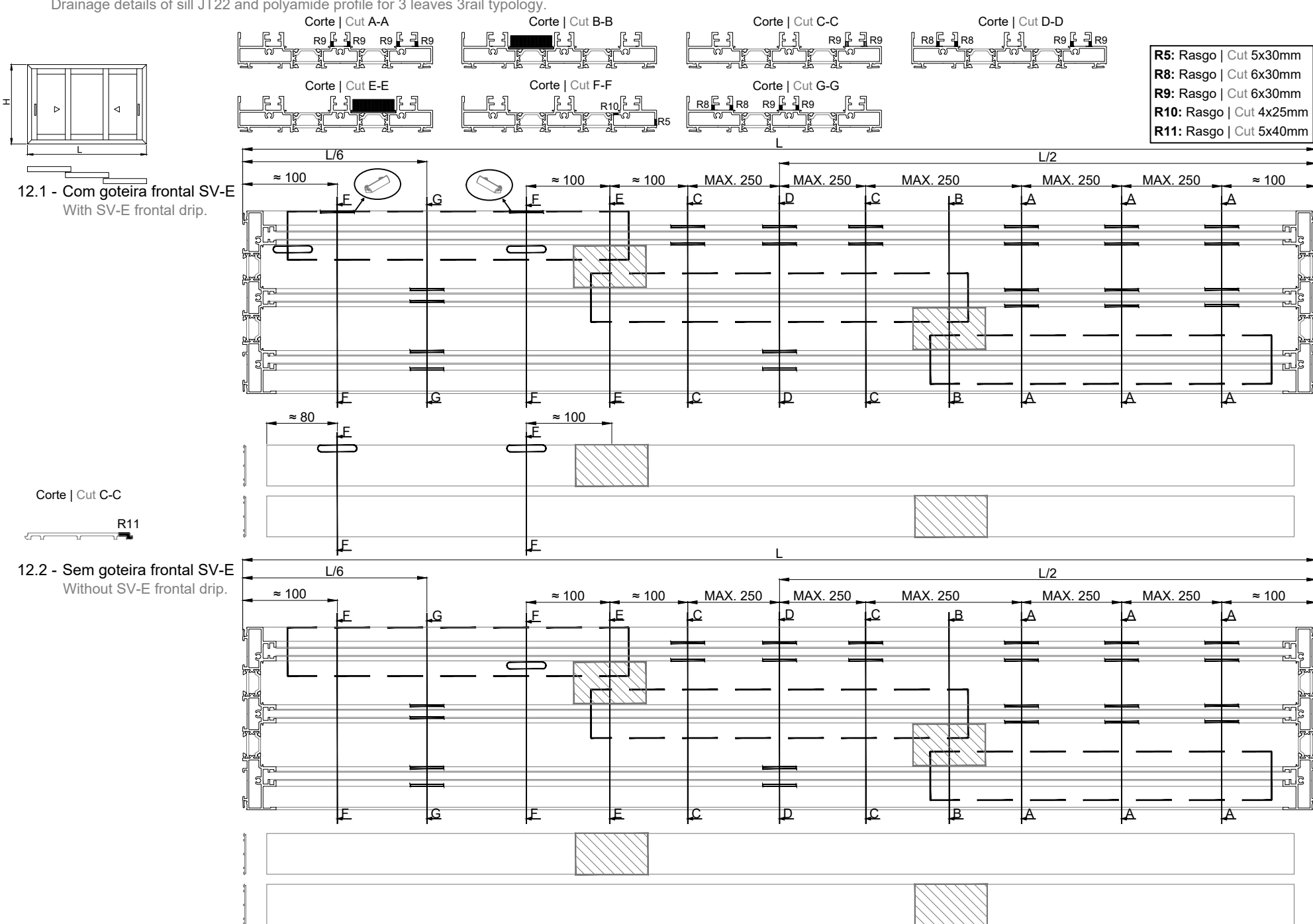


## DRENAGENS POR TIPOLOGIA

### DRAINAGE BY FRAME TYPOLOGY

#### 12 - Pormenores de drenagem para soleira 3rail JT22 e perfil de poliamida para tipologias de 3 folhas.

Drainage details of sill JT22 and polyamide profile for 3 leaves 3rail typology.



**MONTAGEM DE AROS FIXOS**  
FIXED FRAME ASSEMBLY

|                                                                                                                            |           |
|----------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°)</b><br>FR AND PT FIXED FRAME ASSEMBLY (45° CUT)                              | <b>74</b> |
| <b>MONTAGEM DE AROS FIXOS COM PERFIL SOLEIRA 30MM (CORTE 90°)</b><br>FIXED FRAME ASSEMBLY WITH 30MM SILL PROFILE (90° CUT) | <b>96</b> |

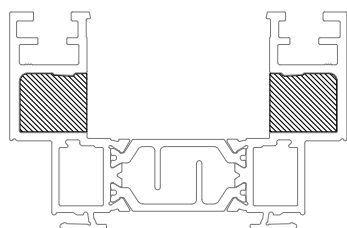
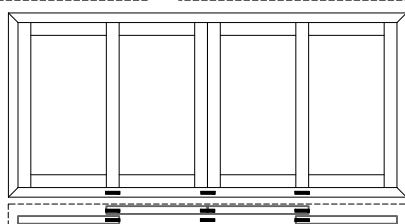
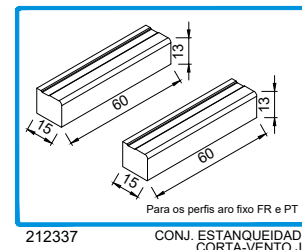
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

### 1 - Colocação do conjunto de estanqueidade para corta-vento nos aros fixos.

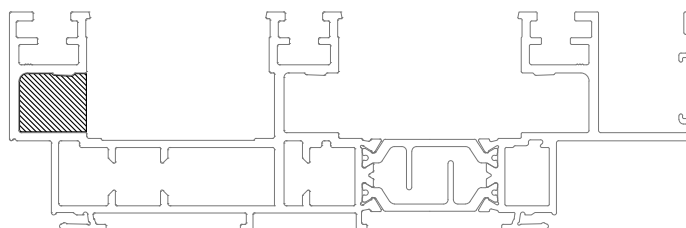
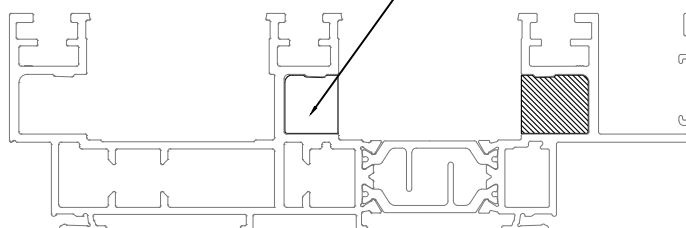
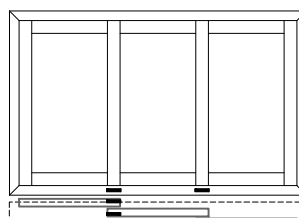
Central gasket waterproof kit placing in fixed frames.

#### 1.1 - Colocar o conjunto de estanqueidade no cruzamento das folhas onde posteriormente levará o perfil PVC U e os corta-ventos. **Seguir este procedimento em todos os perfis de aro fixo.**

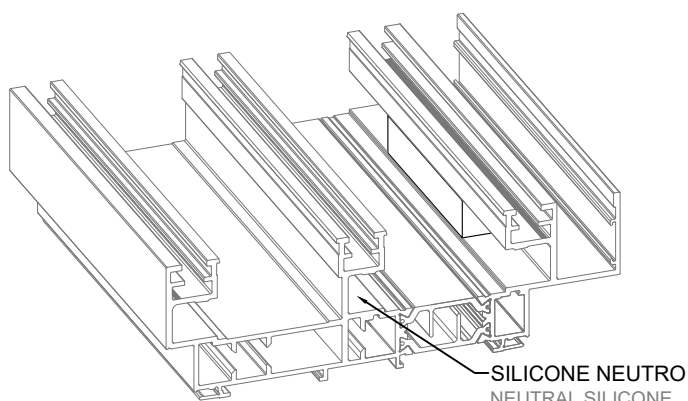
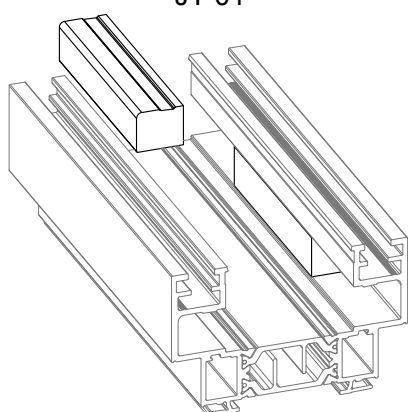
Place the central insulation gasket waterproof kit at the intersection of the leaves where later the U PVC profile and the central gasket will be. **Follow this procedure in all fixed frame profiles.**



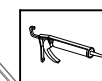
JT 01



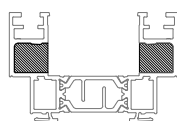
JT 03



SILICONE NEUTRO  
NEUTRAL SILICONE



1º Conj. estanq.



2º Perfil PVC U

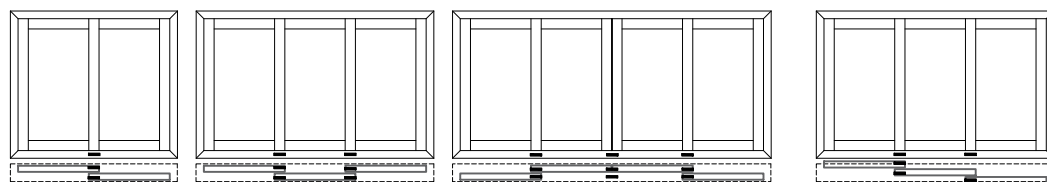


3º Corta-vento



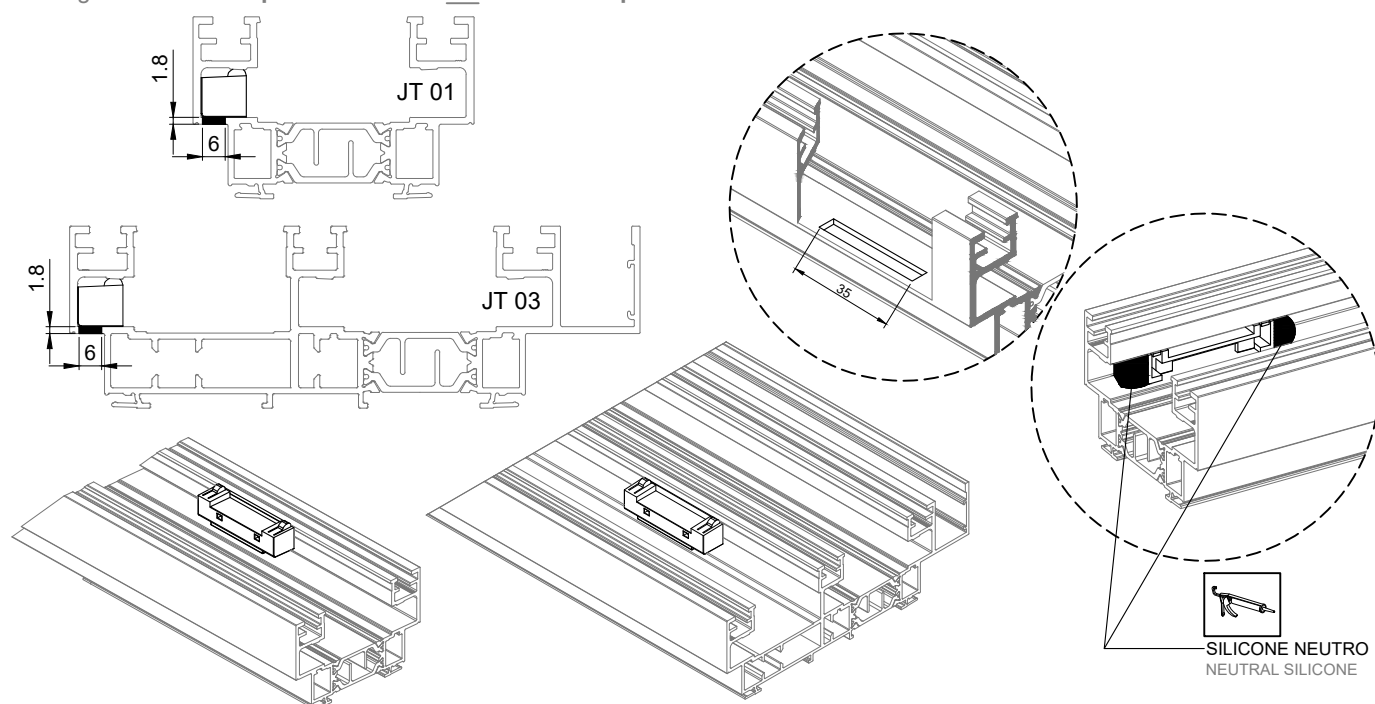
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

### 2 - Colocação de goteiras nos aros fixos. Drips placing in fixed frames.



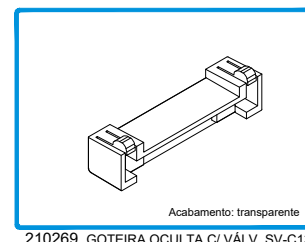
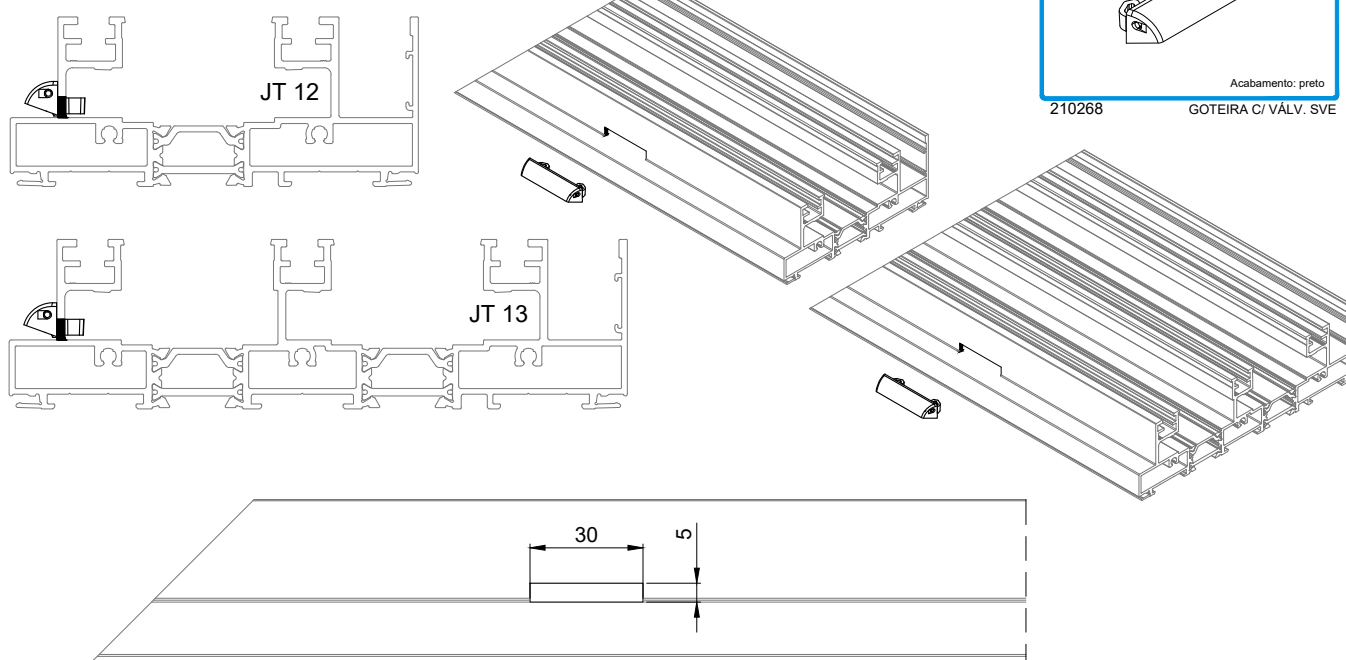
#### 2.1 - Colocar as goteiras ocultas antes do perfil PVC U e fixá-las com pontos de silicone nas extremidades. **Seguir este procedimento em todos os perfis de aro fixo FR.**

Place the hidden drips before the U PVC profile and fix them with silicone points at the edges. **Follow this procedure in all FR fixed frame profiles.**

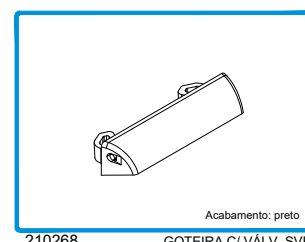


#### 2.2 - Colocar as goteiras pelo exterior do perfil e fixá-las com pontos de silicone nas extremidades. **Seguir este procedimento em todos os perfis de aro fixo PT.**

Place the drips from the outside of the profile and fix them with silicone points at the edges. **Follow this procedure in all PT fixed frame profiles.**



210269 GOTEIRA OCULTA C/ VÁLV. SV-C13



210268 GOTEIRA C/ VÁLV. SVE



## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

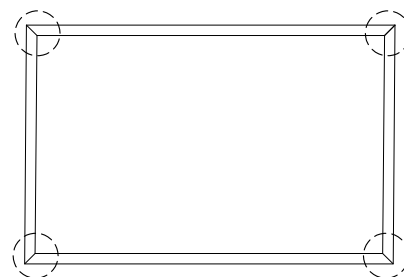
### 3 - Aplicação de silicone nos aros fixos.

Silicone applying in fixed frames.

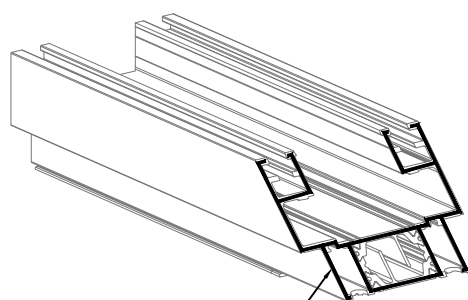
#### 3.1 - Aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias.

**Seguir este procedimento em todos os perfis de aro fixo FR e PT.**

Apply silicone in the same color as the profiles or neutral silicone in the frame's areas. **Follow this procedure in all fixed frame FR and PT profiles.**



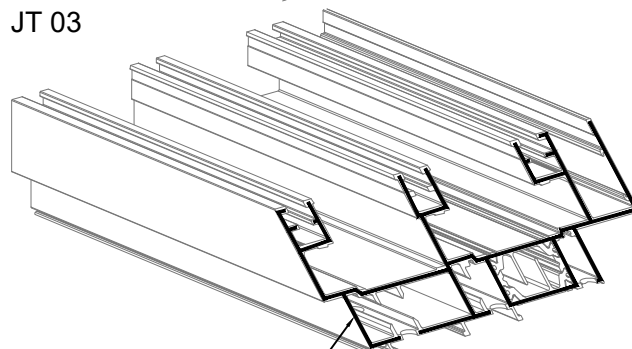
JT 01



SILICONE NEUTRO  
NEUTRAL SILICONE



JT 03



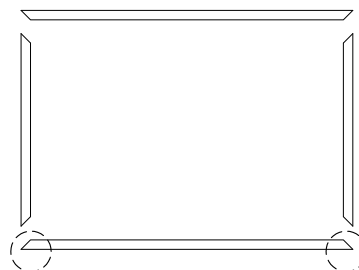
SILICONE NEUTRO  
NEUTRAL SILICONE



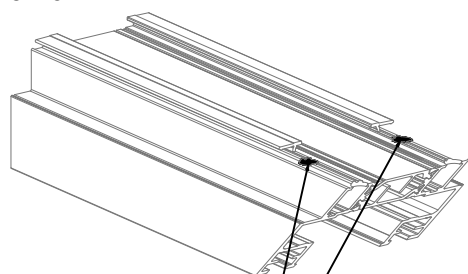
#### 3.2 - Antes de se colocarem os esquadros de aperto, deverão encher-se as câmaras dos perfis fixos com silicone neutro, de modo a ficarem seladas. Seguir este procedimento em todos os perfis de aro fixo FR e PT, apenas na zona inferior do caixilho.

Before placing the corner cleats, the fixed frame profiles chambers must be filled with neutral silicone, in order to be sealed.

**Follow this procedure in all the fixed frame FR and PT profiles, only in the lower zone of the frame.**



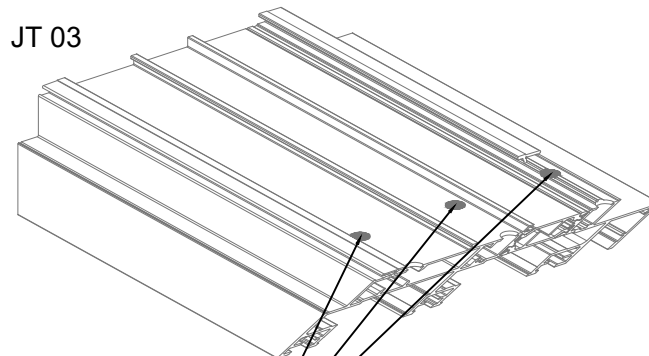
JT 01



SILICONE NEUTRO  
NEUTRAL SILICONE



JT 03



SILICONE NEUTRO  
NEUTRAL SILICONE



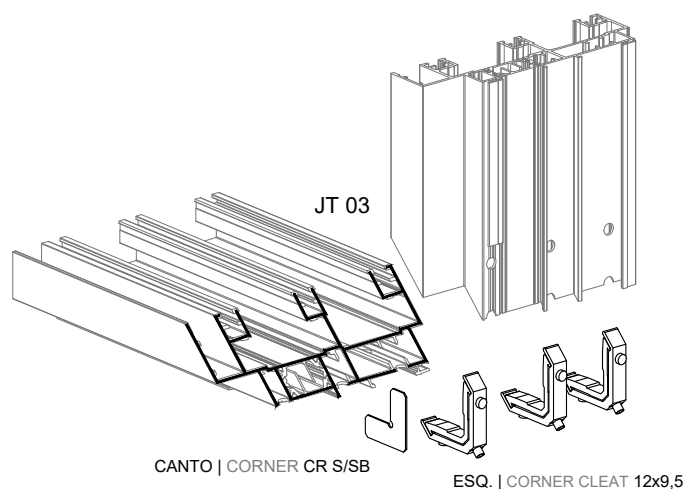
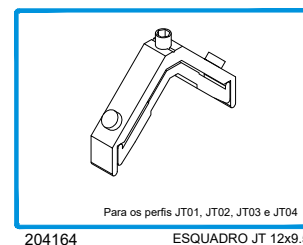
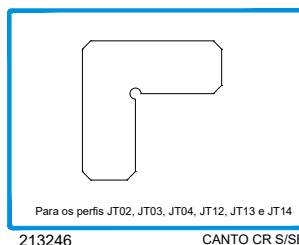
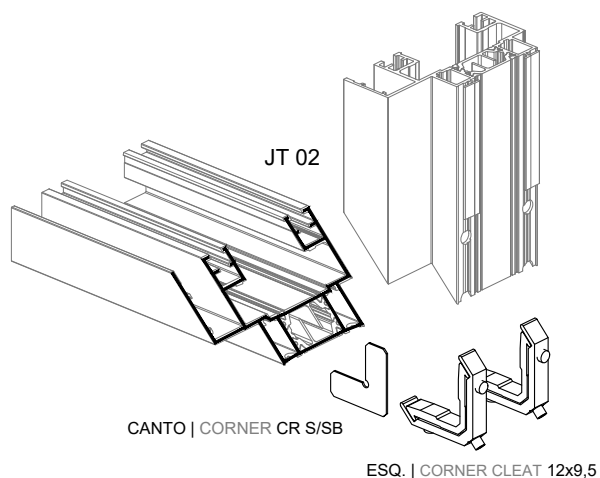
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

- 4 - Aplicação dos esquadros de aperto nos aros fixos e preenchimento de todas as zonas de aperto dos esquadros, com silicone neutro. **Seguir este procedimento em todos os perfis de aro fixo FR e PT.**

Corner cleats applying in fixed frames and filling all the tightening areas of the corner cleats with neutral silicone. Follow this procedure in all FR and PT fixed frames.

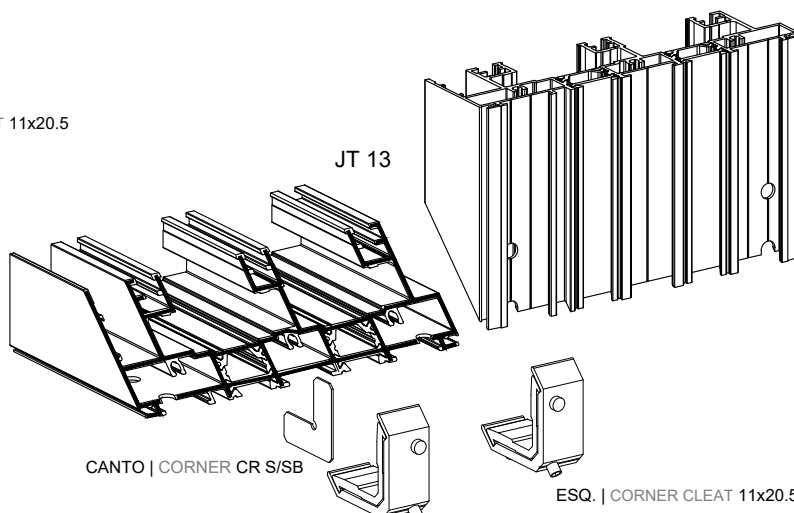
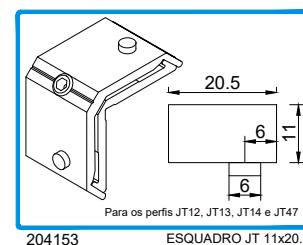
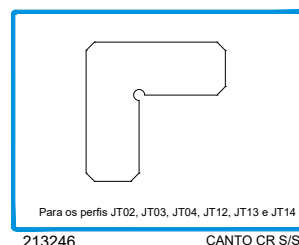
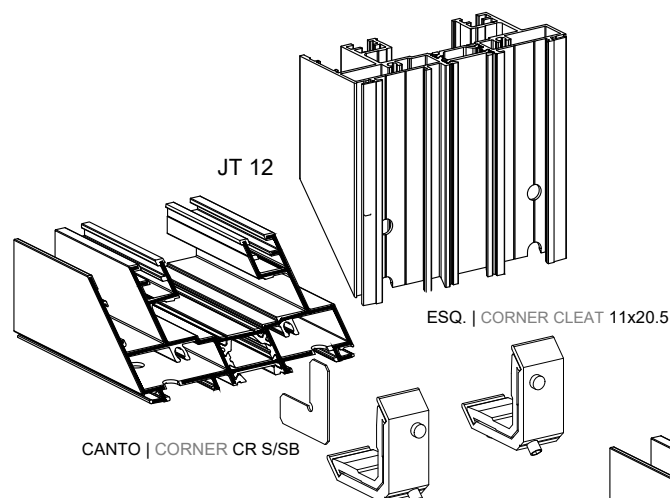
- 4.1 - Colocar os esquadros de aperto e os cantos de alinhamento. **Seguir este procedimento em todos os perfis de aro fixo FR.**

Placing the corner cleats and the alignment corners. Follow this procedure in all fixed frame FR profiles.



- 4.2 - Colocar os esquadros de aperto e os cantos de alinhamento. **Seguir este procedimento em todos os perfis de aro fixo PT.**

Placing the corner cleats and the alignment corners. Follow this procedure in all fixed frame PT profiles.



## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

5 - Colocação do perfil PVC U nos aros fixos.  
U PVC profile placing in fixed frames.

5.1 - Colocar o perfil PVC U nos aros fixos.

**Seguir este procedimento em todos os perfis de aro fixo FR e PT.**

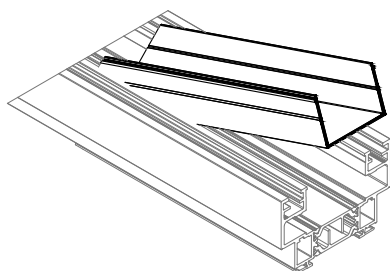
Place the U PVC profile in the fixed frames.

**Follow this procedure in all fixed frame FR and PT profiles.**

### PASSO | STEP 1:

Colocar os perfis PVC inferior e superior.

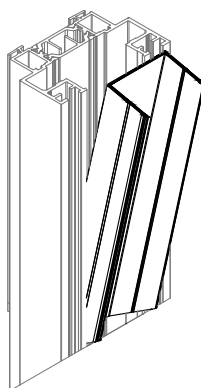
Place the lower and upper PVC profiles.



### PASSO | STEP 2:

Colocar as alturas.

Place the heights.



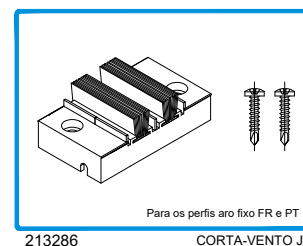
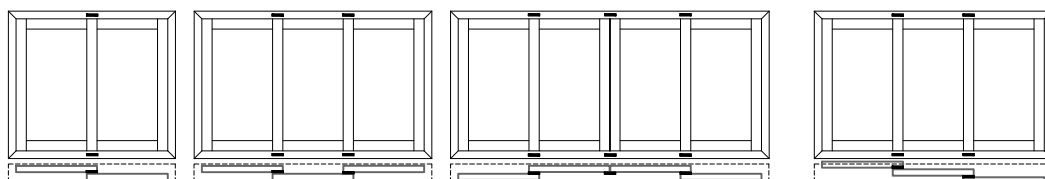
### IMPORTANT | IMPORTANTE:

**Os calços de estanquicidade e as goteiras ocultas já deverão estar aplicadas na soleira antes desta operação.**

Central gasket waterproof kit and hidden drips must already be applied in the sill profile before this operation.

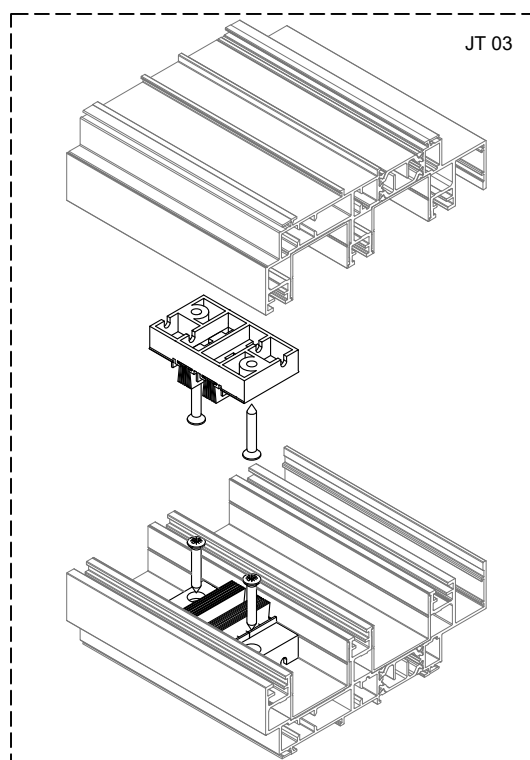
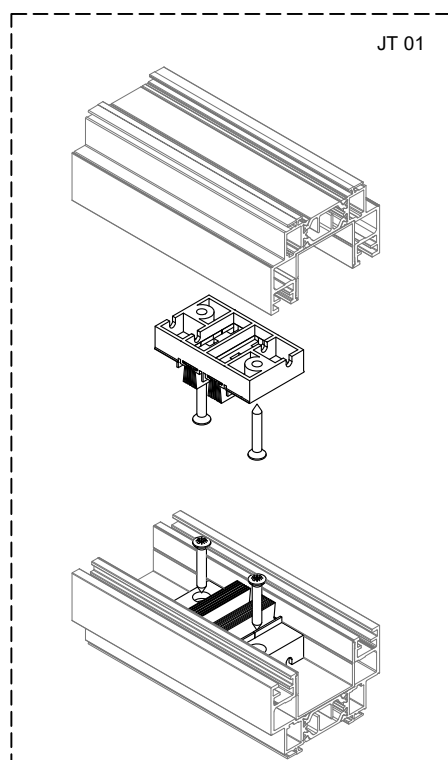
6 - Colocação dos corta-ventos nos aros fixos.

Central insulation gaskets placing in fixed frames.



6.1 - Colocar os corta-vento nas soleiras. Os corta-ventos da padieira deverão ser colocados depois das folhas de correr já estarem aplicadas. **Seguir este procedimento em todos os perfis de aro fixo FR e PT.**

Place the lower central insulation gaskets. The lintel central insulation gaskets must be placed after the sliding leaves are already applied. **Follow this procedure in all fixed frame FR and PT profiles.**



## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°)

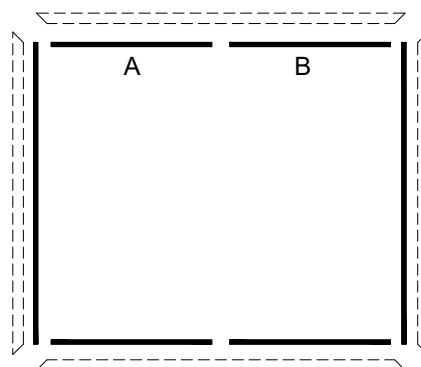
### FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

#### 7 - Corte e aplicação dos perfis PVC T nos aros fixos cortados a 45°.

Cutting and applying of T PVC profiles in fixed frames cutted in 45°.

##### 7.1 - Os perfis PVC T verticais são aplicados numa única peça, enquanto que os horizontais são divididos em várias peças.

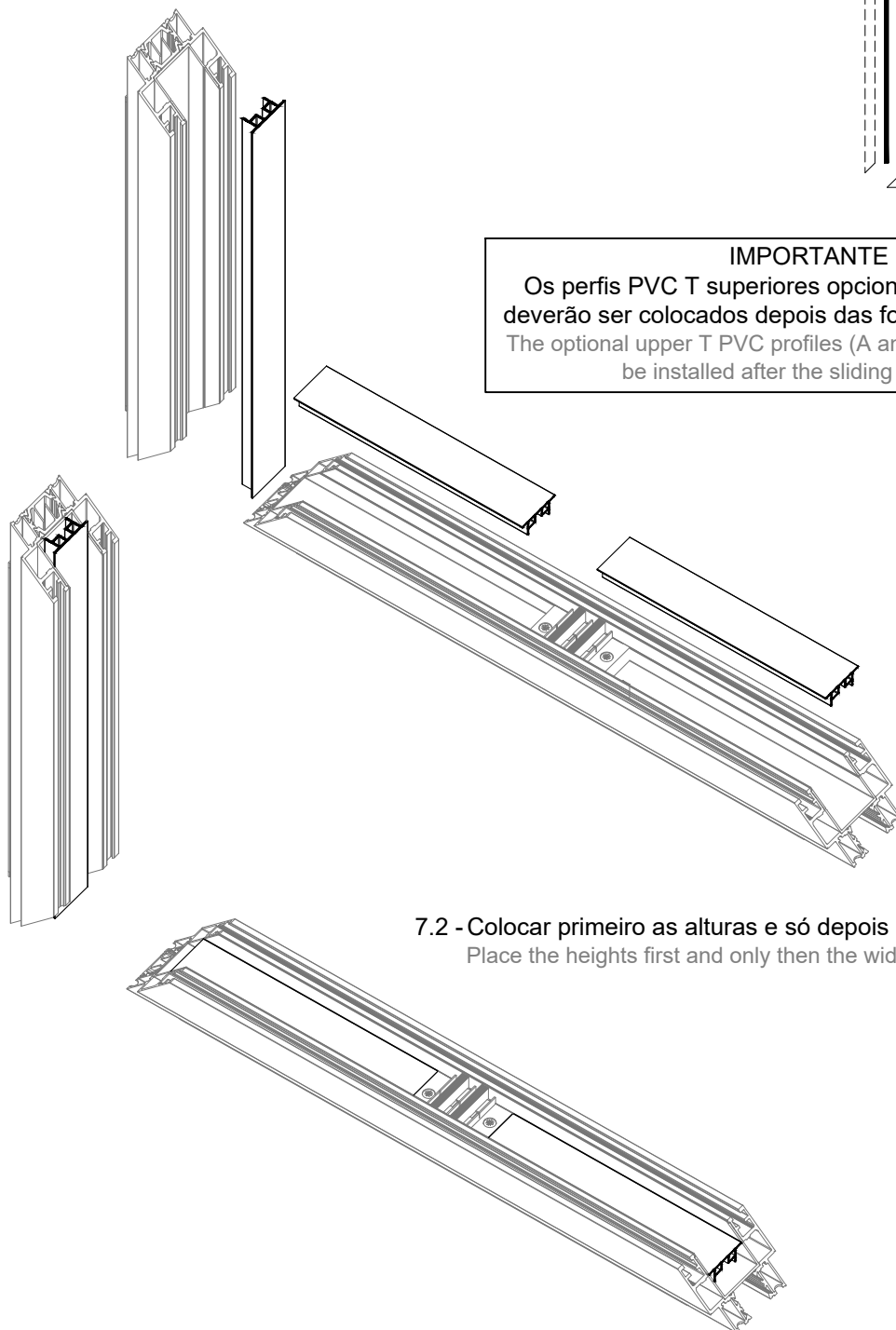
Vertical T PVC profiles are applied in a single piece, while the horizontal ones are divided into several pieces.



#### IMPORTANTE | IMPORTANT:

Os perfis PVC T superiores opcionais (A e B, no esquema acima) só deverão ser colocados depois das folhas de correr já estarem aplicadas.

The optional upper T PVC profiles (A and B, in the scheme above) should only be installed after the sliding leaves are already applied.



##### 7.2 - Colocar primeiro as alturas e só depois as larguras.

Place the heights first and only then the widths.

#### NOTA | NOTE:

A utilização de perfis PVC T inferiores é apenas aconselhada em vãos recuados (sem incidência direta da chuva), uma vez que diminuem a capacidade de escoamento de águas.

The use of lower PVC T profiles is only recommended in recessed frames (without direct incidence of rain), as they reduce the water drainage capacity.

## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°)

## FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

## 8 - Corte, entalhes e aplicação das capas JT85 e JT88.

Cutting, milling and applying the JT85 and JT88 cover profiles.

## 8.1 - Medidas de corte. A medida de corte do perfil de capa varia consoante a aplicação ou não do perfil PVC T:

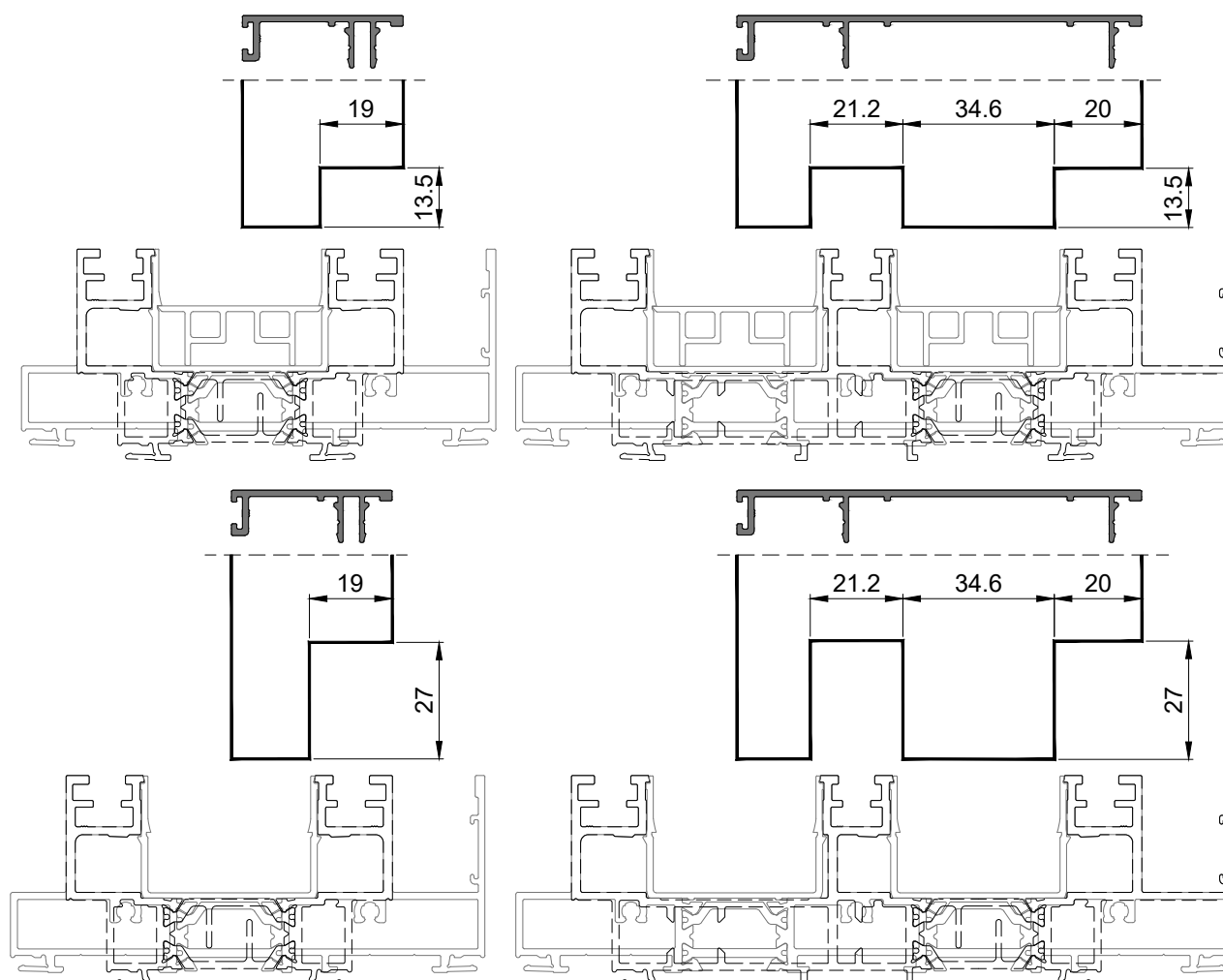
Cutting measures. Cover profile cutting measure varies depending on the application or not of the T PVC profile:

| Situação<br>Situation                                                                            | Medidas de Corte<br>Cutting measures |                         | Esquema de aplicação<br>Application scheme |
|--------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------|--------------------------------------------|
|                                                                                                  | Aros   Frames <b>FR</b>              | Aros   Frames <b>PT</b> |                                            |
| Perfis PVC T aplicados em cima e em baixo<br>T PVC profiles applied on top and bottom            | H - 72                               | H - 65                  |                                            |
| Perfil PVC T aplicado apenas em cima ou em baixo<br>T PVC profiles applied only on top or bottom | H - 58                               | H - 51                  | ou   or                                    |
| Caixilho sem aplicação de perfis PVC T<br>Frame without T PVC profiles applied                   | H - 45                               | H - 38                  |                                            |

8.2 - Maquinação dos perfis, para aros fixos **FR e PT**.Profiles machining, for **FR and PT** fixed frames.

Quando aplicados na vertical, os perfis necessitam de maquinações conforme esquemas abaixo, em ambas as extremidades.

When applied vertically, the profiles require machining according to the diagrams below, at both ends.



Quando aplicados na horizontal, o corte destes perfis deverá ser reto e sem maquinações.

When applied horizontally, the cut of these profiles should be straight and without machining.

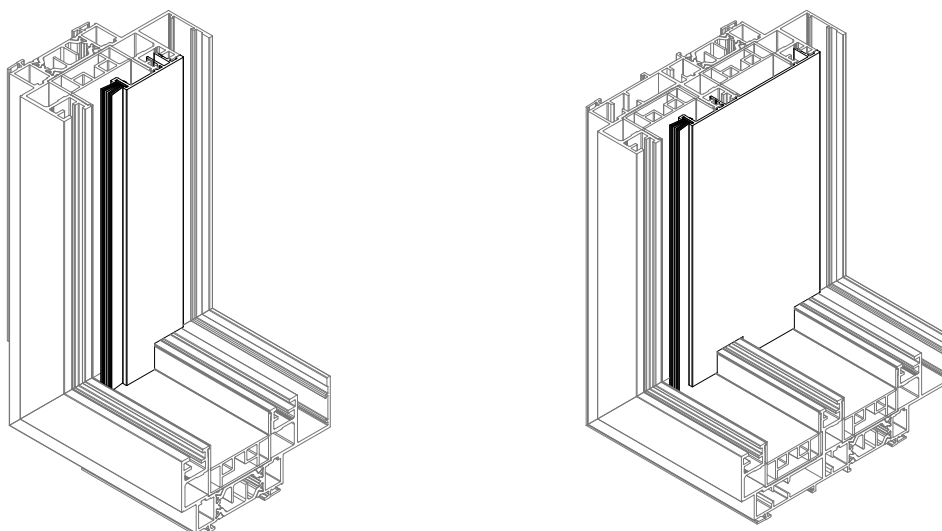
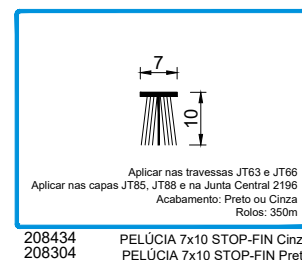
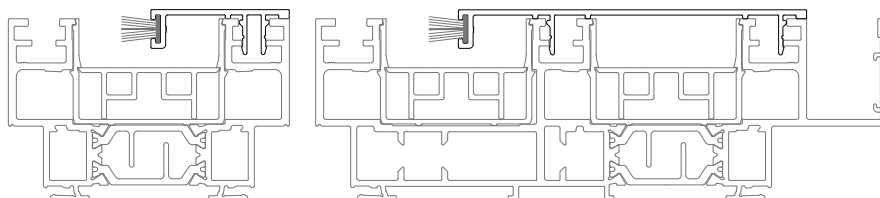
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

### 9 - Corte e aplicação da pelúcias 7x10 Stop-fin nos perfis de capa JT85 e JT88.

Cutting and applying of 7x10 Stop-fin gaskets in JT85 and JT88 cover profiles.

#### Exemplos de aplicação vertical dos perfis JT85 e JT88:

Examples of vertical application on JT85 and JT88 profiles:



### 10 - Corte e aplicação da Junta Tapa Canal 2116 JT nos aros fixos.

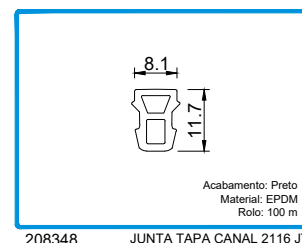
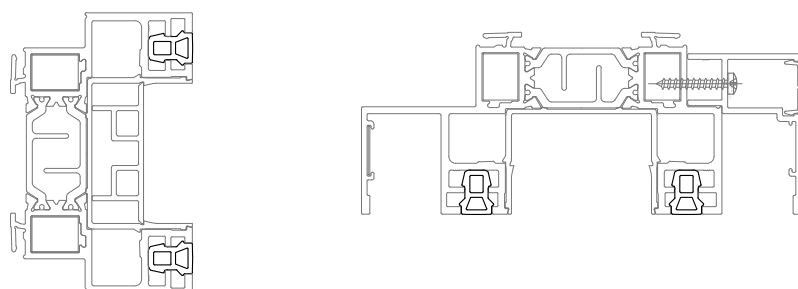
Cutting and applying of 2116 channel cover joint in fixed frames.

Esta junta deverá ser aplicada no aro fixo, na padieira e nas laterais. Nas zonas onde se localizarão os contra-fechos, a junta deverá ser interrompida.

#### Seguir este procedimento em todos os perfis de aro fixo.

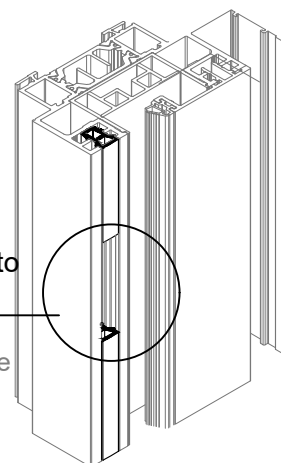
This joint must be applied in the fixed frame, in the lintel and the laterals. In the zones where the counter-locks will be located, the joint must be interrupted.

Follow this procedure in all fixed frame profiles.



**Zona de localização do contra-fecho**  
(a esta folga dever-se-à adicionar a altura de funcionamento do gancho, no caso da ferragem multiponto SOT)

**Locking plate location zone**  
(to this gap must be added the working height of the hook, in the case of SOT multipoint hardware)



#### IMPORTANTE | IMPORTANT:

**A zona de interrupção da junta deverá ser suficiente para permitir os movimentos do fecho multiponto SOT.**  
The joint interruption zone must be sufficient to allow the movements of the SOT multipoint lock.



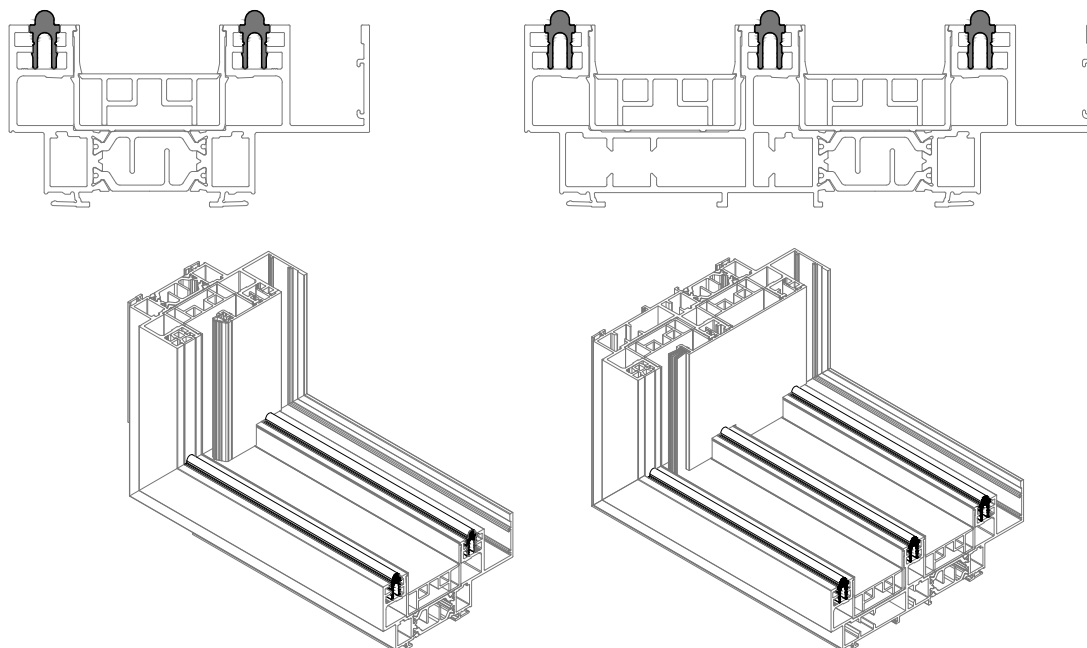
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

### 11 - Corte e aplicação do perfil guia JT87 nos aros fixos.

Cutting and applying of JT87 rail profile in fixed frames.

O perfil JT87 deverá ser aplicado nas soleiras, conforme esquemas abaixo:

The JT87 profile must be applied in the sills, according to the schemes below:



### 12 - Aplicação do conj. união reta JT nos aros fixos, em emendas de perfis de aro fixo

Straight union kit and angles applying in fixed frames, in splicing of fixed frame profiles

#### 12.1 - Colocar as peças que constituem o conj. união reta JT no interior dos perfis e fixá-las com parafusos M4x16.

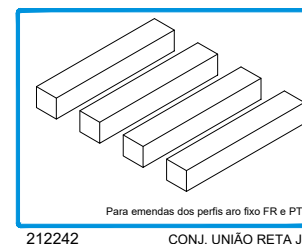
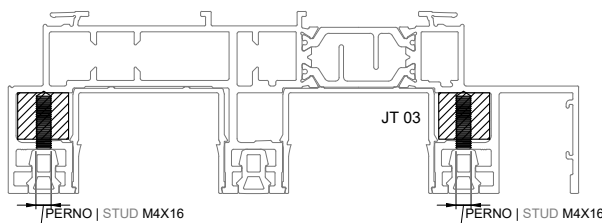
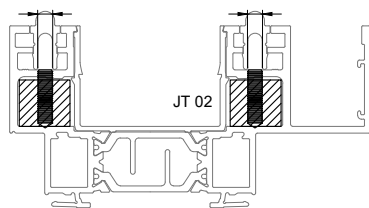
**Seguir este procedimento em todos os perfis de aros fixos.**

Place the pieces that constitute the straight union kit inside the profiles and fix them with M4x16 studs.

**Follow this procedure in all fixed frame profiles.**

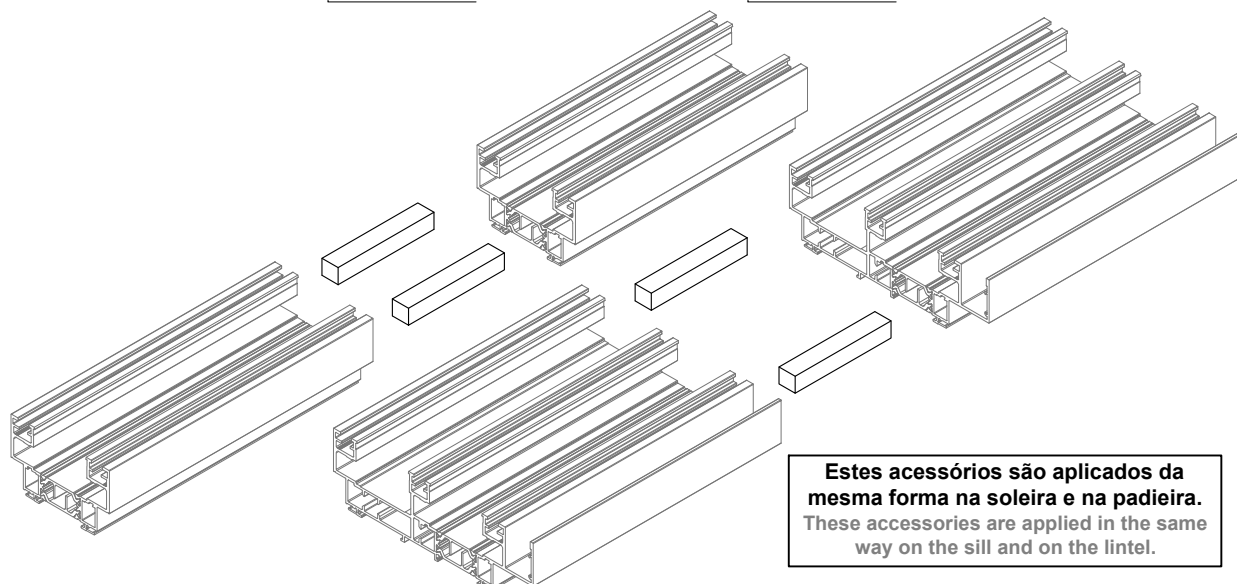
PERNO | STUD M4X16

PERNO | STUD M4X16



212242

CONJ. UNIÃO RETA JT

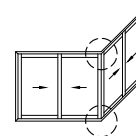


**Estes acessórios são aplicados da mesma forma na soleira e na padieira.**  
These accessories are applied in the same way on the sill and on the lintel.

## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

### 13 - Montagem de aros fixos, em tipologias de canto 90°.

Fixed frames assembly, in 90° corner typologies.

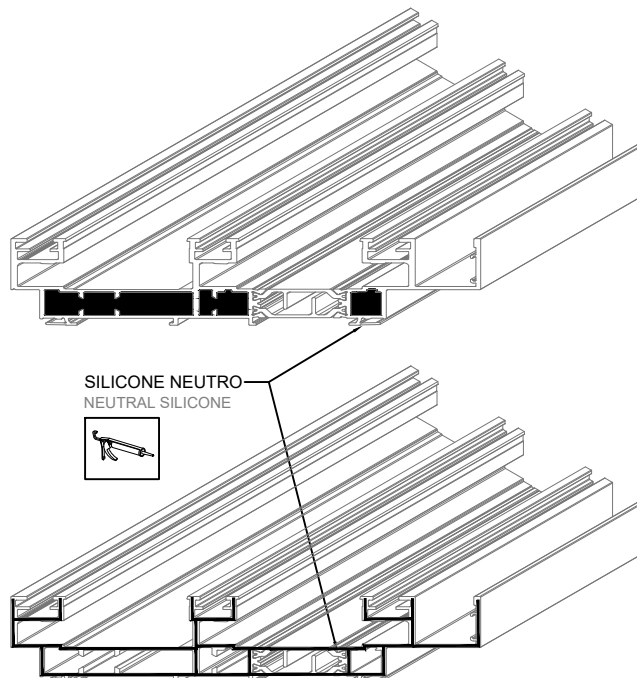
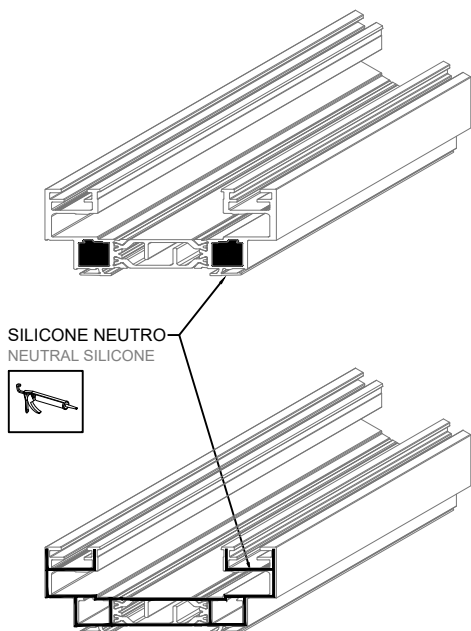


#### 13.1 - Encher as câmaras com silicone e aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias.

**Seguir este procedimento em todos os perfis de aros fixos.**

Fill the chambers with silicone and apply silicone in the same color as the profiles or neutral silicone in the frame's areas.

**Follow this procedure in all fixed frame profiles.**

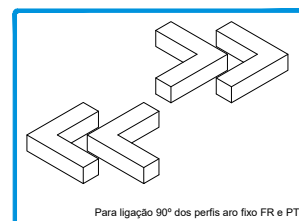
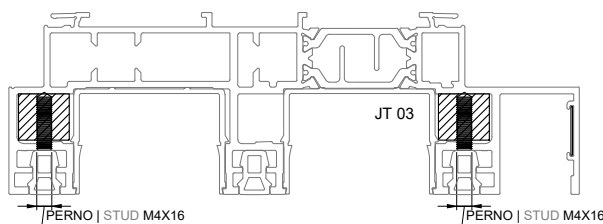
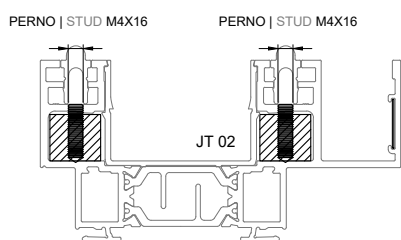


#### 13.2 - Colocar as peças que constituem o conj. união e os esquadros inox canto 90° nos perfis e fixá-los com parafusos M4x16.

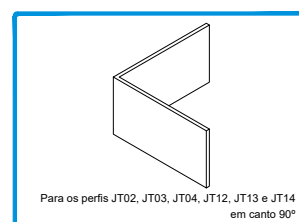
**Seguir este procedimento em todos os perfis de aros fixos.**

Place the 90° corner union kit pieces and corners and fix them with M4x16 studs.

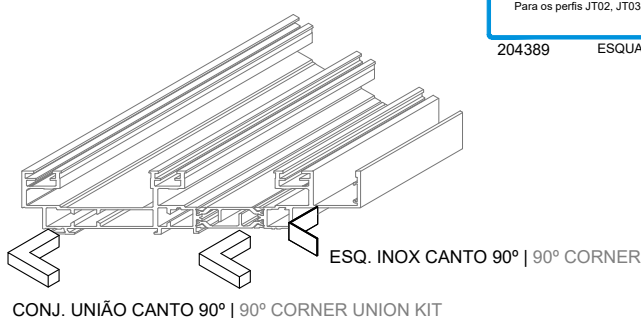
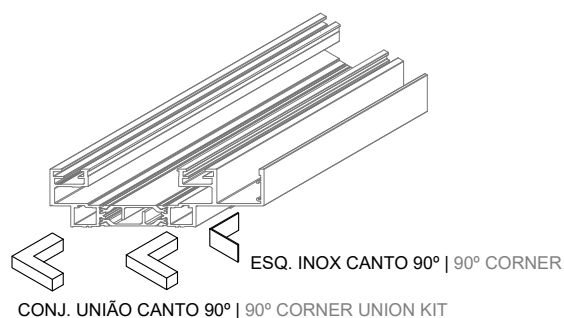
**Follow this procedure in all fixed frame profiles.**



212243 CONJ. UNIÃO CANTO 90° JT



204389 ESQUADRO INOX CANTO 90°





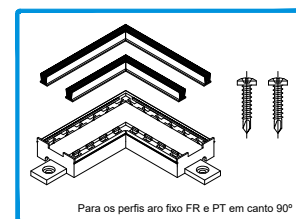
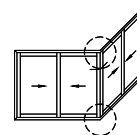
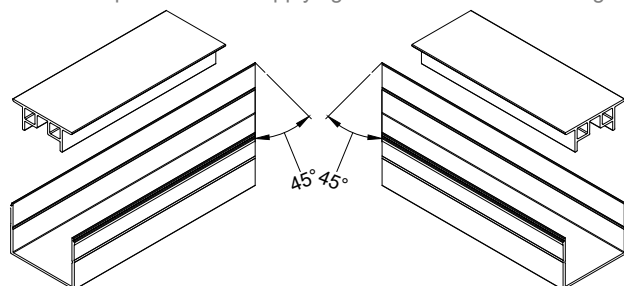
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

### 13 - Montagem de aros fixos, em tipologias de canto 90°.

Fixed frames assembly, in 90° corner typologies.

#### 13.4 - Cortar os perfis de PVC antes de aplicar o corta-vento canto 90°.

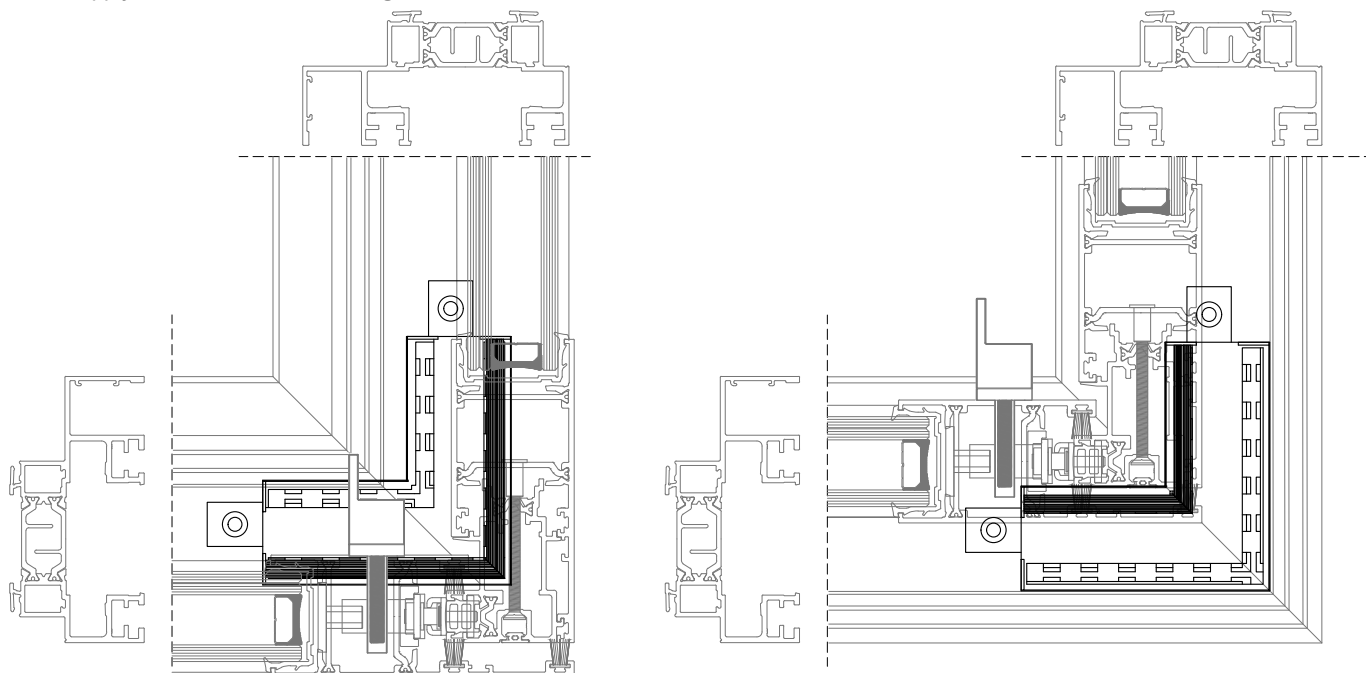
Cut the PVC profiles before applying the 90° corner insulation gasket.



Para os perfis aro fixo FR e PT em canto 90°  
213287 CORTA-VENTO CANTO 90° JT

#### 13.5 - Aplicar o corta-vento canto 90° JT no aro fixo.

Apply the 90° corner insulation gasket in the fixed frame.



#### 13.6 - Fixar os corta-vento canto 90° na soleira e na padieira.

Fix the 90° corner insulation gaskets to the sill and the lintel.

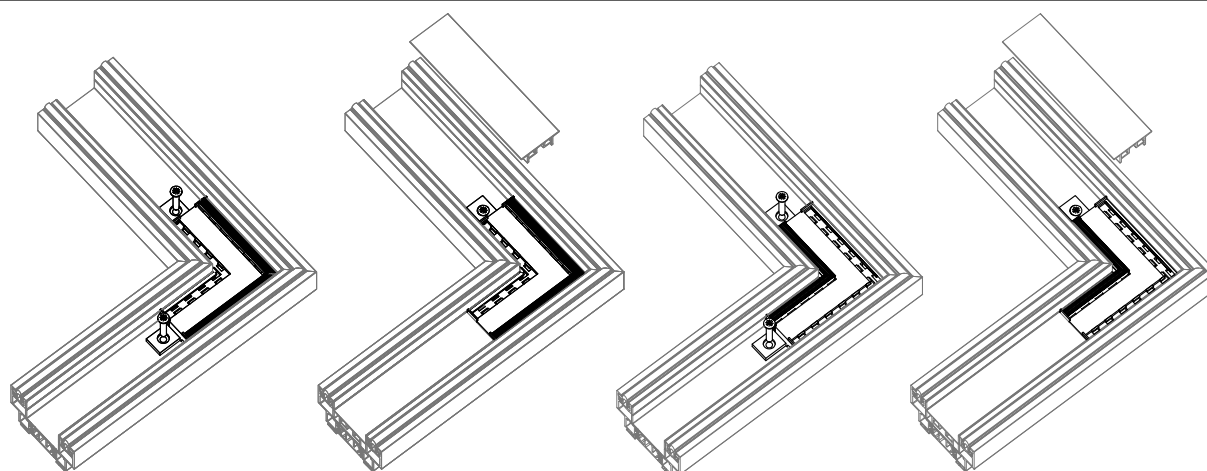
As medidas de corte dos perfis PVC T encontram-se no mapa de quantidades das tipologias de canto.

The cutting measures of the T PVC profiles can be found in the corners typologies quantity map.

### IMPORTANTE | IMPORTANT:

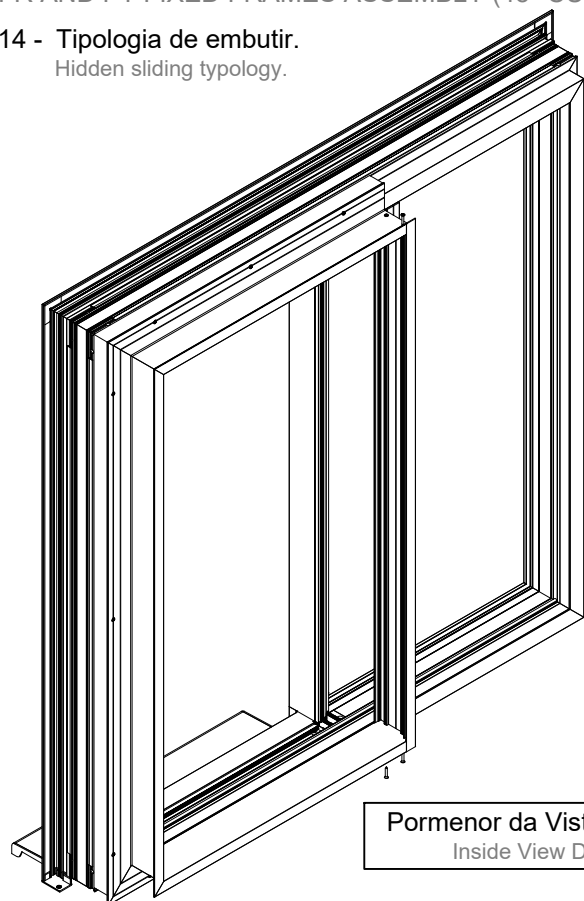
**Os perfis PVC T superiores só deverão ser colocadas depois de os aros móveis estarem aplicados.**

The upper T PVC profiles must only be installed after the mobile frames are applied.

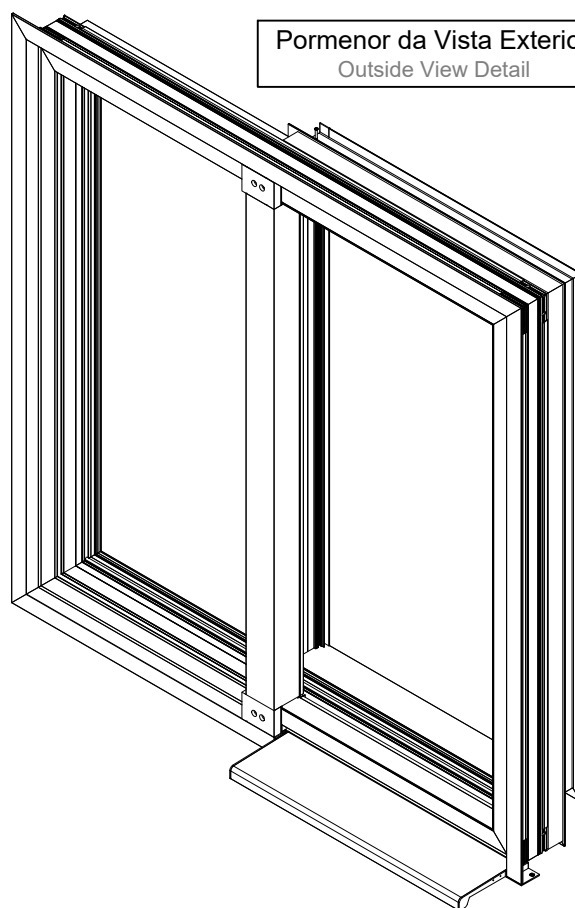


## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

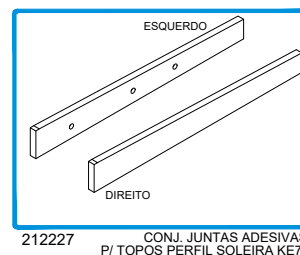
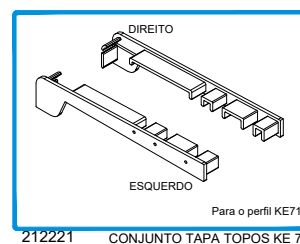
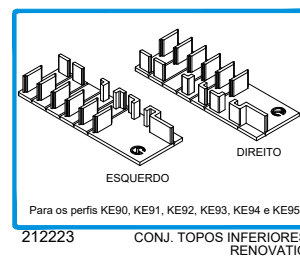
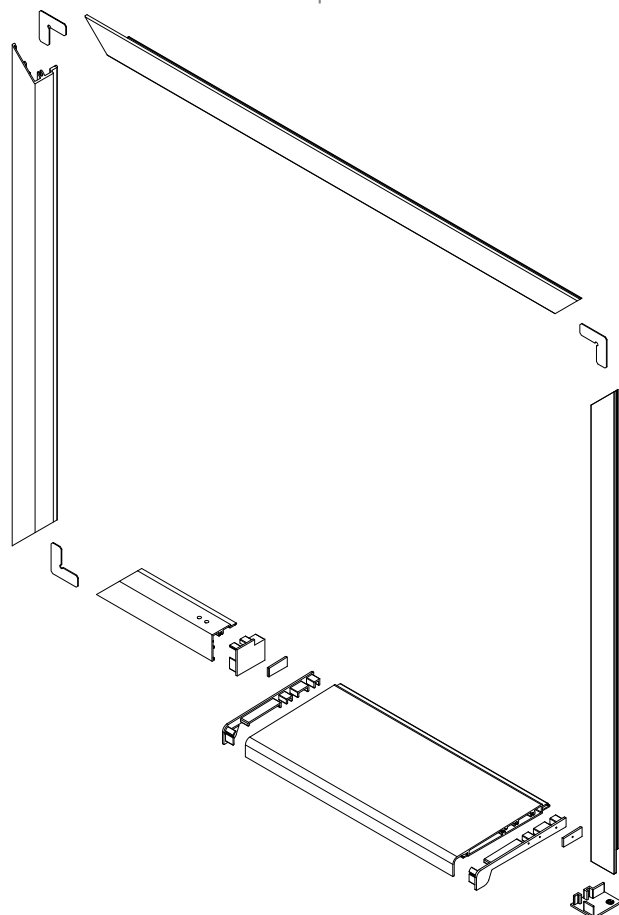


Pormenor da Vista Interior  
Inside View Detail



Pormenor da Vista Exterior  
Outside View Detail

### 14.1 - Esquema de aplicação de acessórios para perfis KE71 e KE90. Application detail of accessories for KE71 and KE90 profiles.

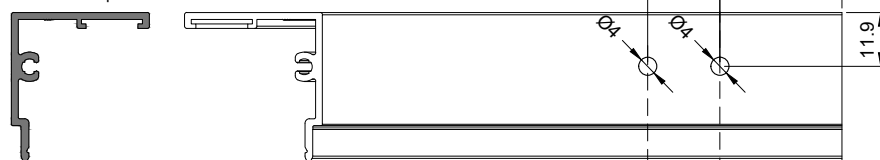


## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

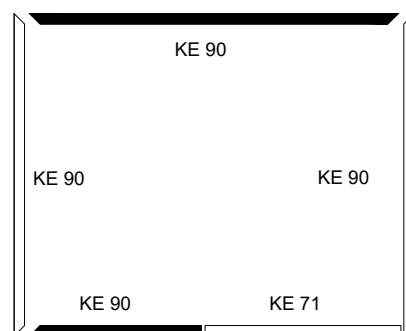
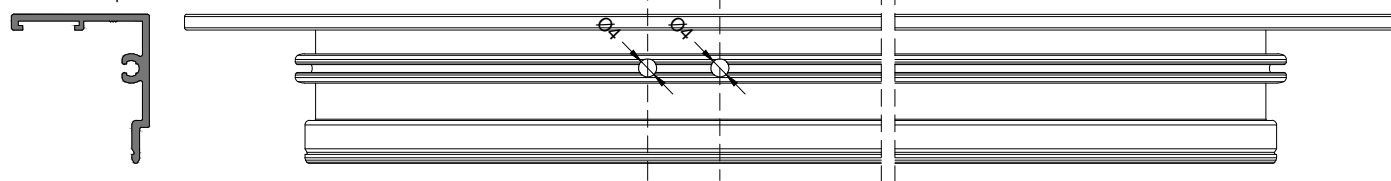
**14 - Tipologia de embutir.**  
Hidden sliding typology.

**14.2 - Medidas de corte e maquinações dos perfis KE90 horizontais.**  
Cutting measures and machining for KE90 horizontal profiles.

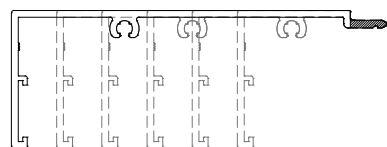
INFERIOR | BOTTOM



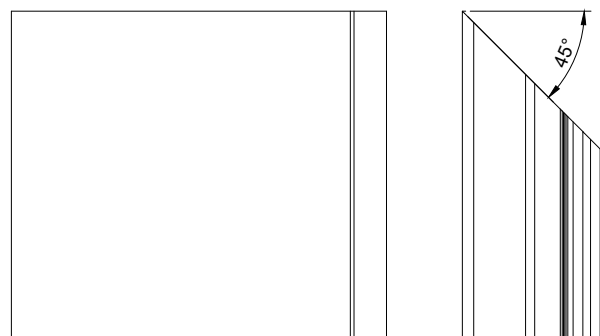
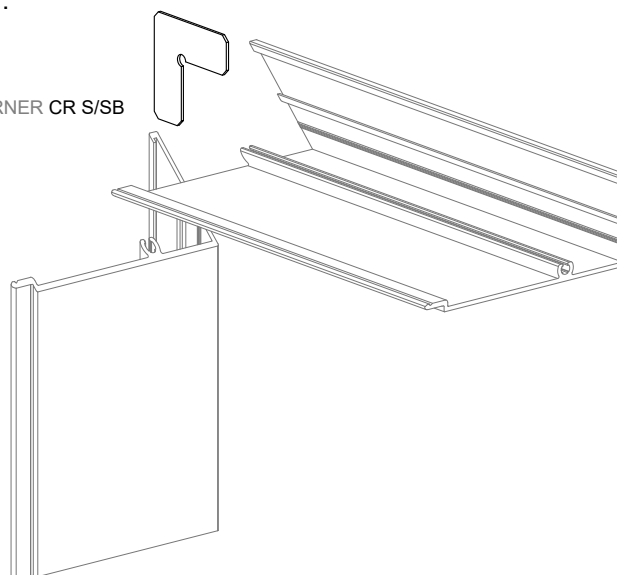
SUPERIOR | TOP



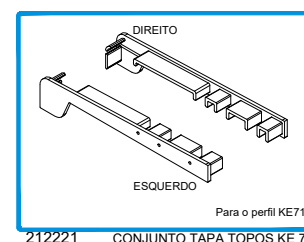
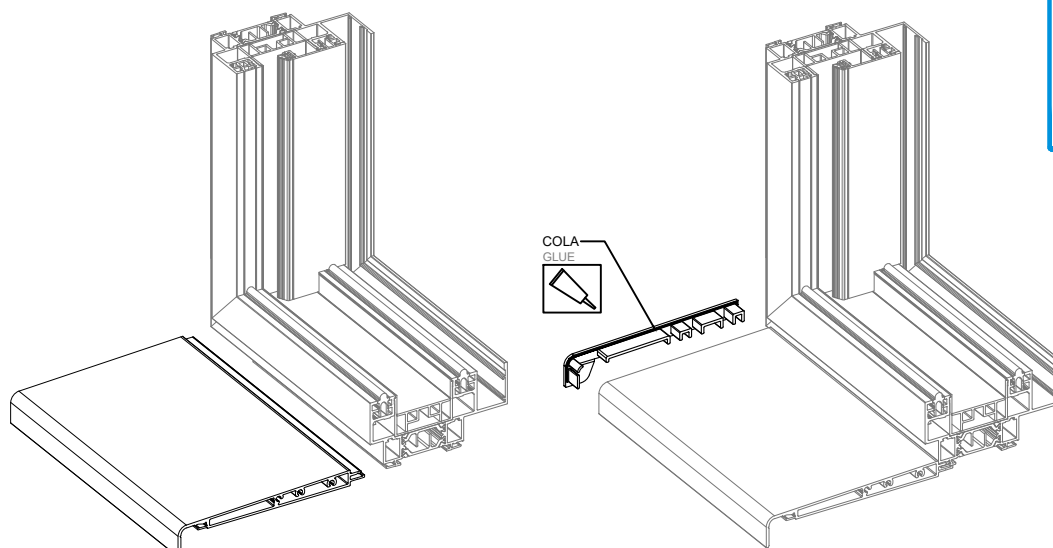
**14.3 - Cortar os perfis de remate laterais a 45° na parte superior.**  
45° Cut at the of top of the lateral finishing profiles.



CANTO | CORNER CR S/SB



**14.4 - Colocar o perfil KE71 e aplicar cola no topo, antes de o colocar no perfil KE 71.**  
Place the KE71 profile and apply glue in the end-cap, before placing it on the KE71 profile.

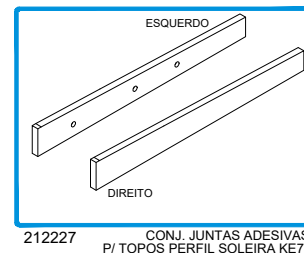
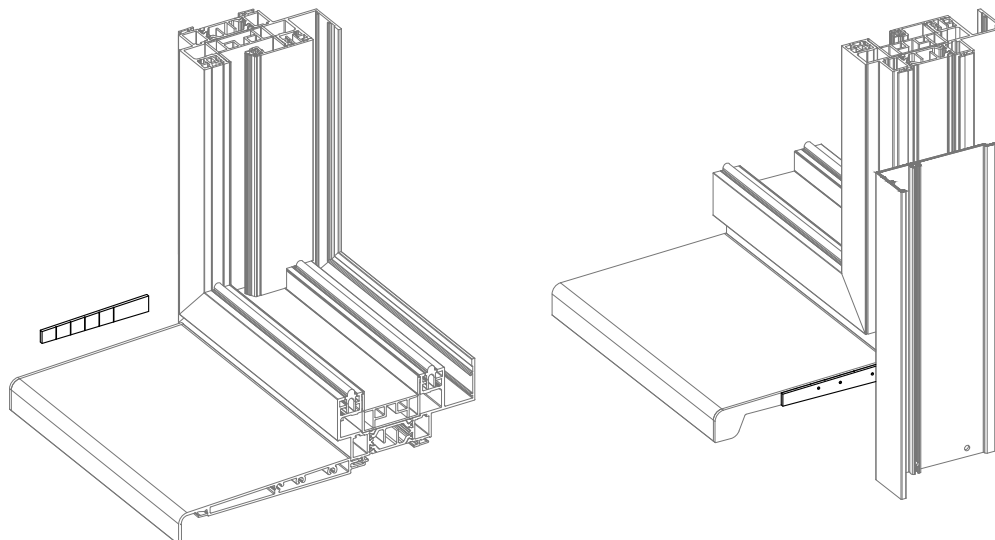


212221 CONJUNTO TAPA TOPOS KE 71

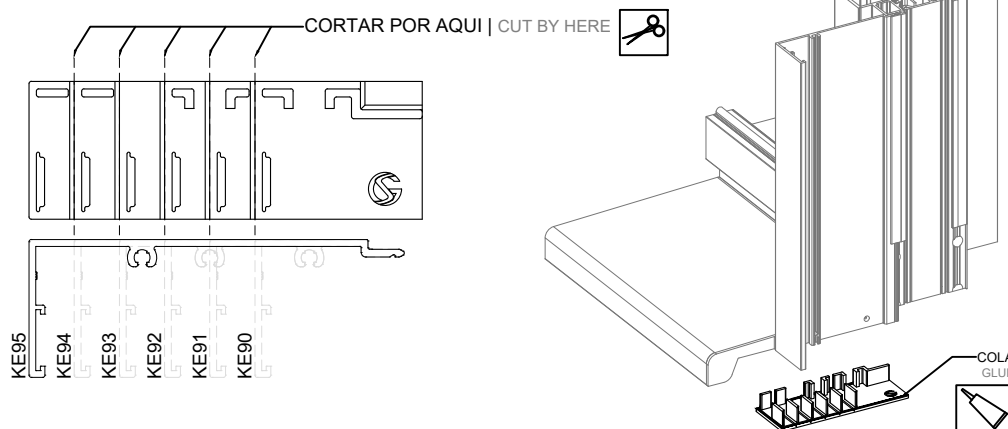
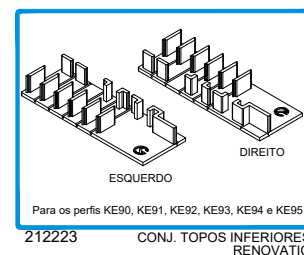
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

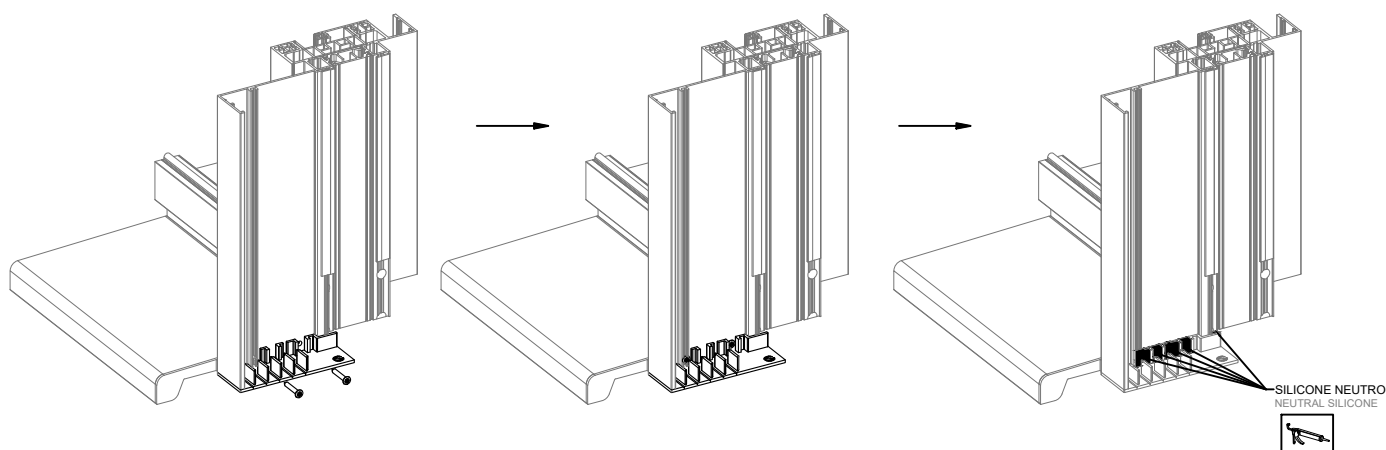
14.5 - Aplicar a junta adesiva no topo do perfil e colocar posteriormente os perfis de remate.  
Apply the adhesive joint at the top of the profile and then place the finishing profiles.



14.6 - Cortar o Conj. de topos inferiores Renovatio na utilização dos perfis KE90, KE91, KE92, KE93, KE94 e KE95 e aplicar cola no topo antes de o aplicar.  
Cut the Renovatio lower end-caps kit when using KE90, KE91, KE92, KE93, KE94 and KE95 profiles and apply glue in the end-cap before applying it.



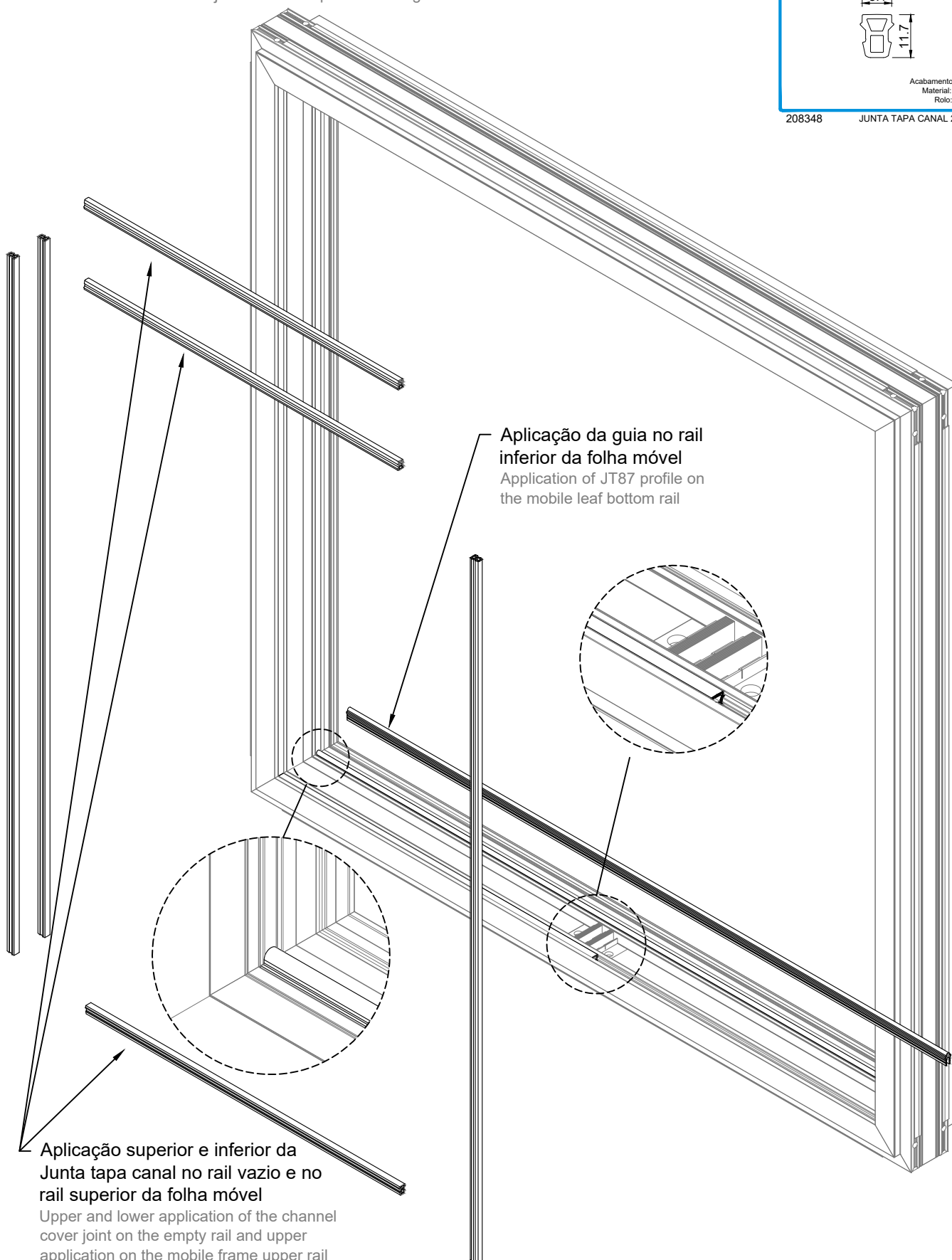
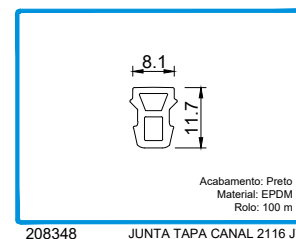
14.7 - Fixar o topo e o perfil lateral de remate à soleira KE71e preencher com silicone.  
Fix the end-cap and the lateral finishing profile to the KE71 sill and fill with silicone.



## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

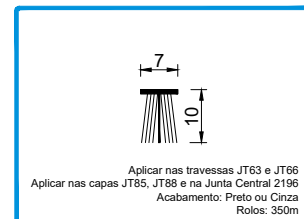
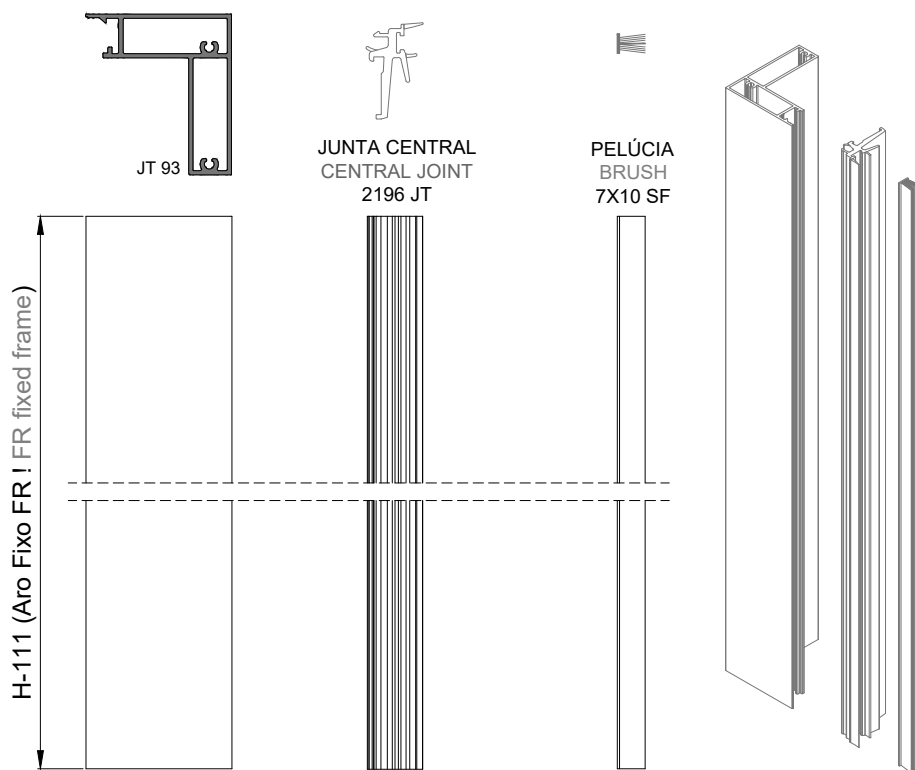
14.8 - Corte da Junta Tapa Canal 2116 JT e dos perfis JT87.  
2116 channel cover joint and JT87 profiles cutting.



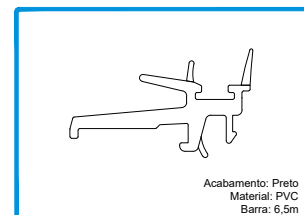
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

14.9 - Corte do perfil JT93 e aplicação da junta central e pelúcia.  
JT93 profile cutting and central joint and brush applying.



208434 PELÚCIA 7x10 STOP-FIN Cinza  
208304 PELÚCIA 7x10 STOP-FIN Preta



208346 JUNTA CENTRAL 2196 JT

14.10 - Aplicação de acessórios no perfil JT93.  
Application of accessories in the JT93 profile.

### PASSO | STEP 1:

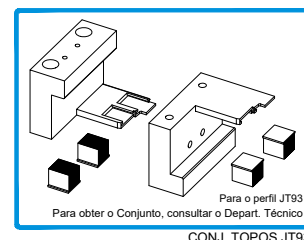
Aplicar cola nas extremidades do perfil  
Apply glue to the ends of the profile

### PASSO | STEP 2:

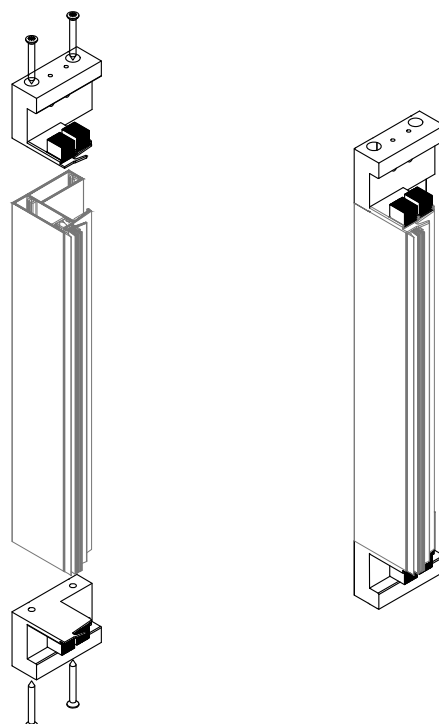
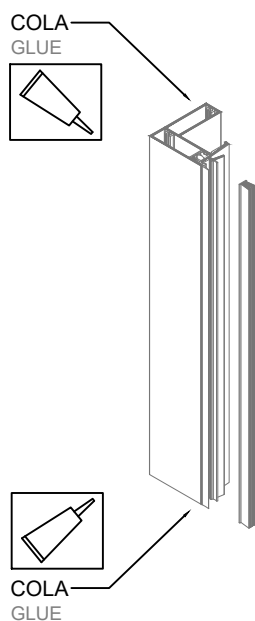
Colocar os topos e aguardar que colem  
Place the end-caps and wait for them to stick

### PASSO | STEP 3:

Aparafusar os topos ao perfil  
Screw the end-caps to the profile



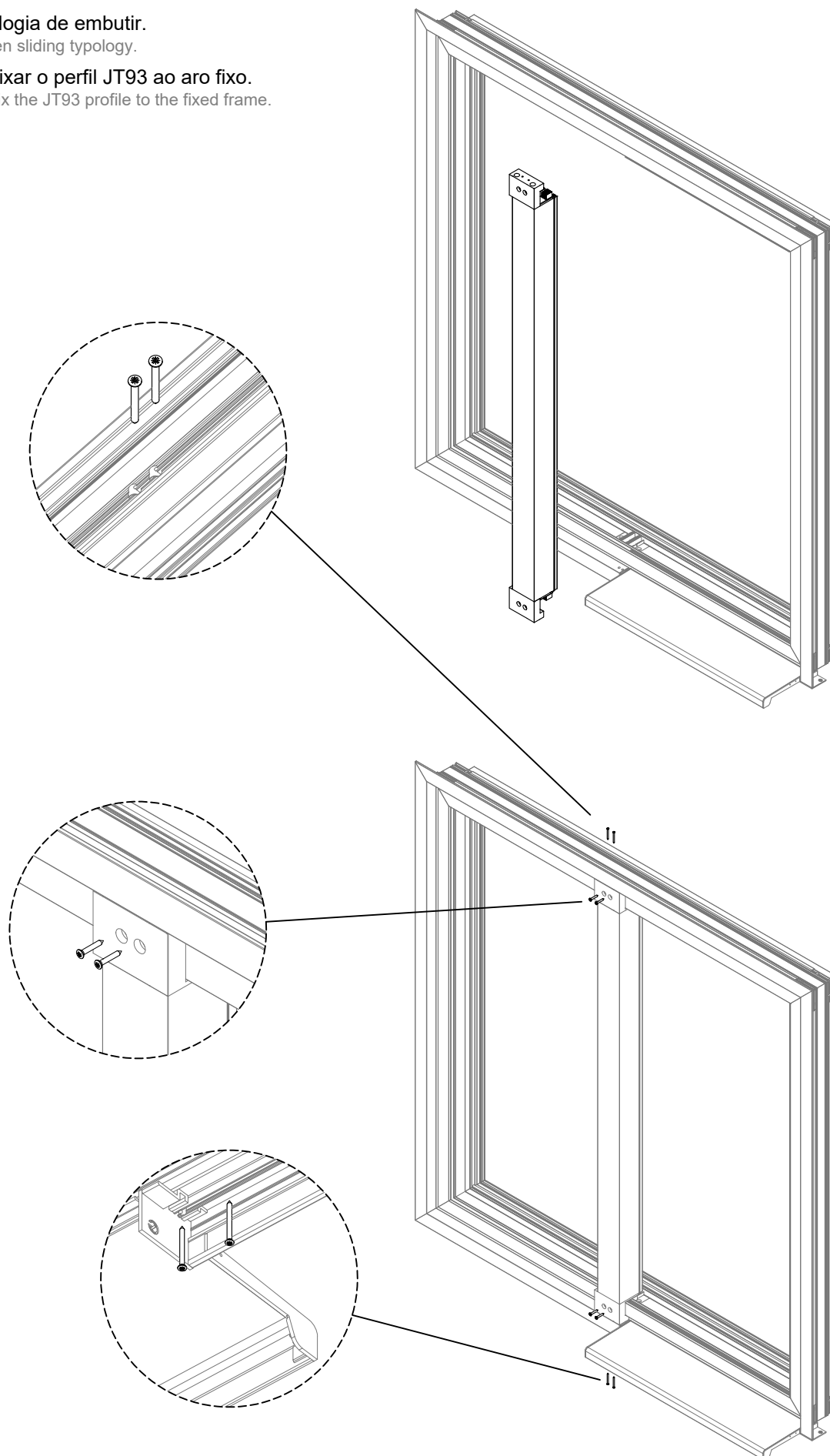
CONJ. TOPOS JT93



## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

14.11 - Fixar o perfil JT93 ao aro fixo.  
Fix the JT93 profile to the fixed frame.





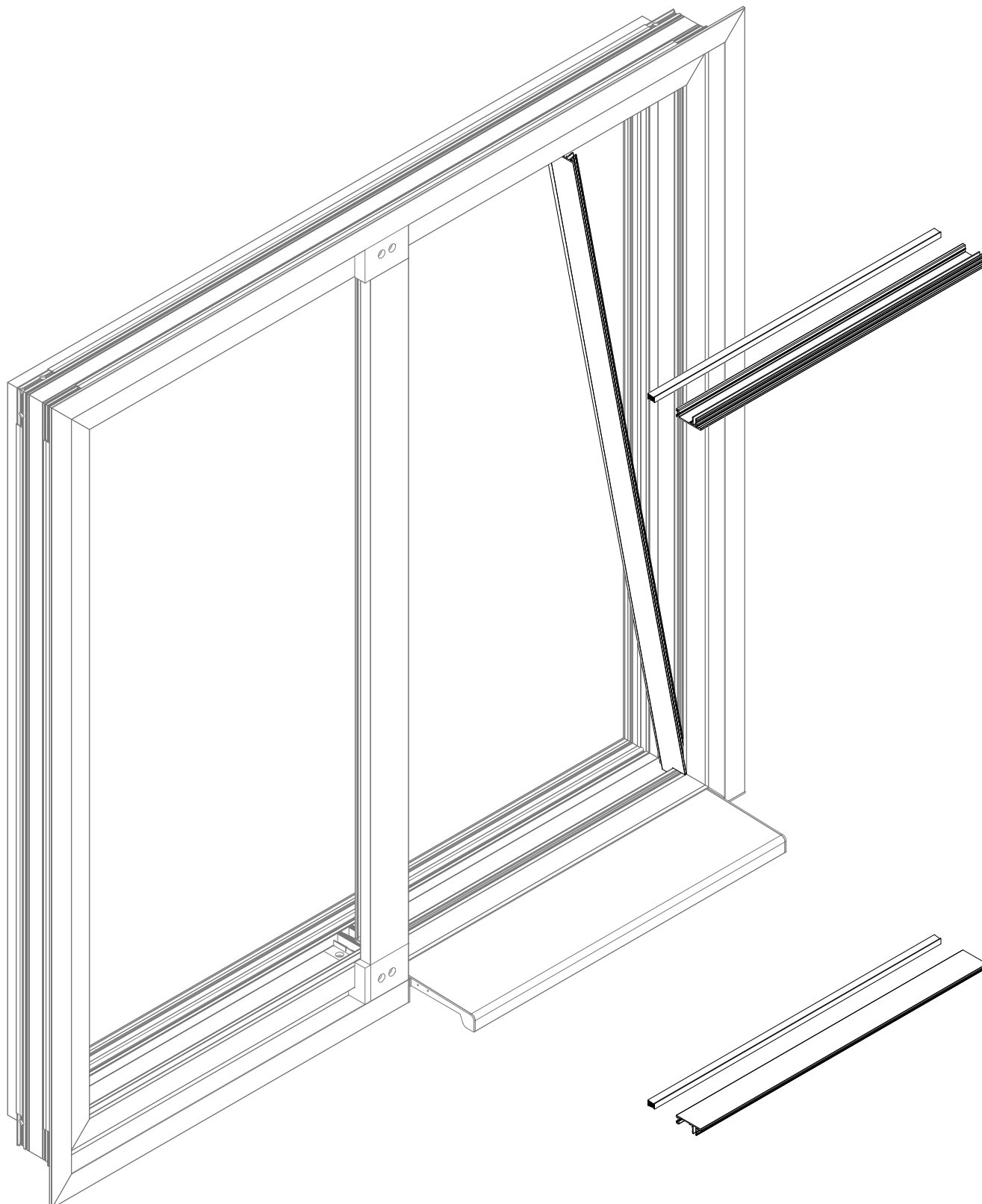
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

14.12 - Aplicar os perfis JT85.  
JT85 profile applying.

### IMPORTANTE | IMPORTANT:

**As pelúcias já deverão estar colocadas nos perfis JT85 antes da sua aplicação e deverão ser aplicadas primeiro as alturas e só depois as larguras.**  
**The brushes must already be placed on the JT85 profiles before application and the heights must be applied first and only then the widths.**





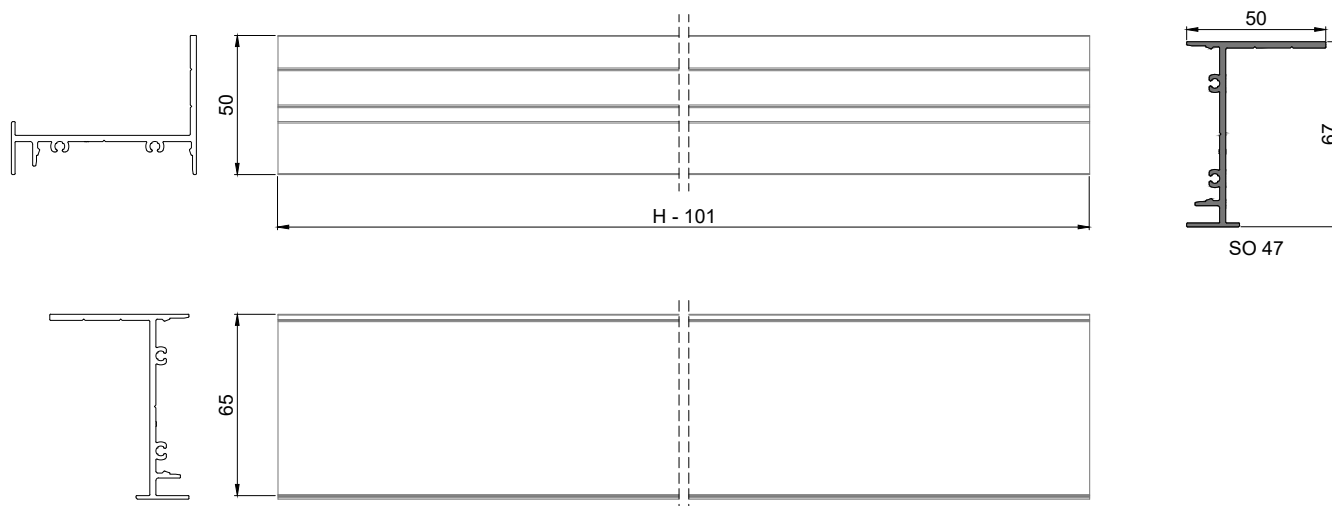
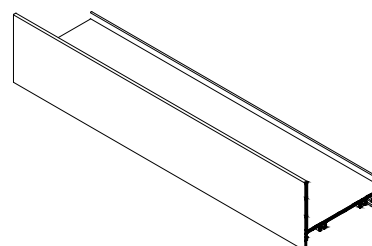
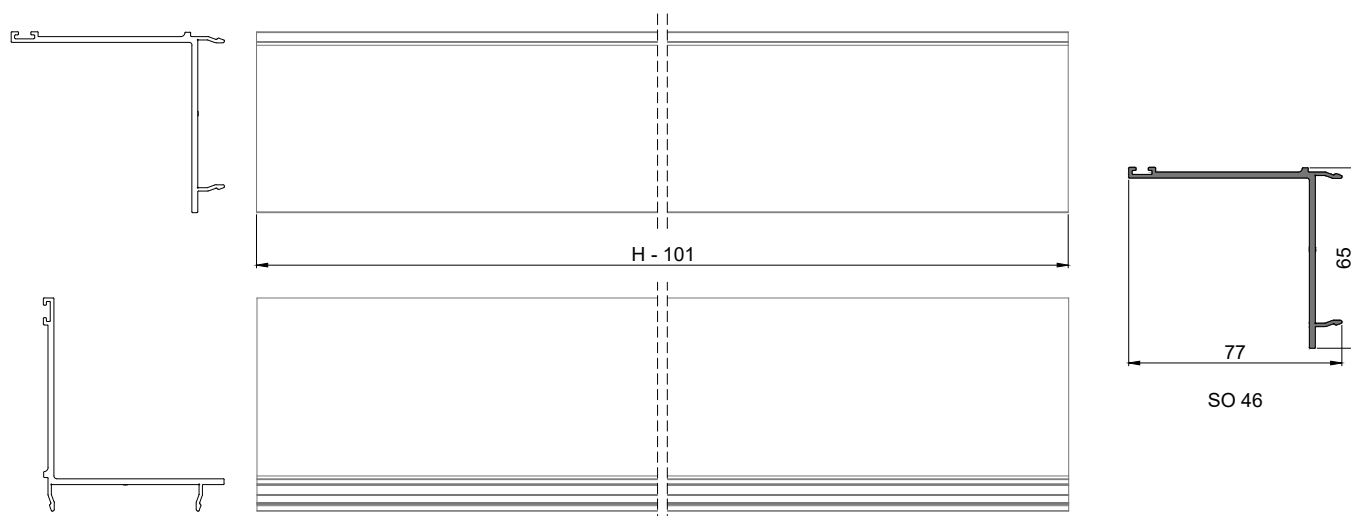
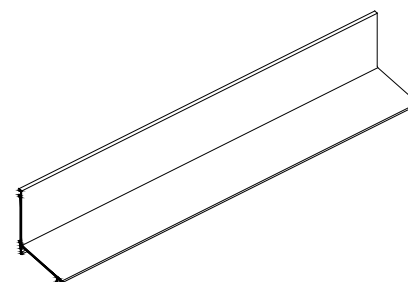
## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

14.13 - Corte e fresagem dos perfis de remate SO46 e SO47.  
SO46 and SO47 finishing profiles cutting and milling.

### IMPORTANTE | IMPORTANT:

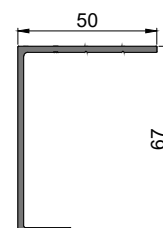
**As medidas de corte podem variar consoante a tipologia do vão.**  
**The cutting measures may vary according to the typology of the frame.**



## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

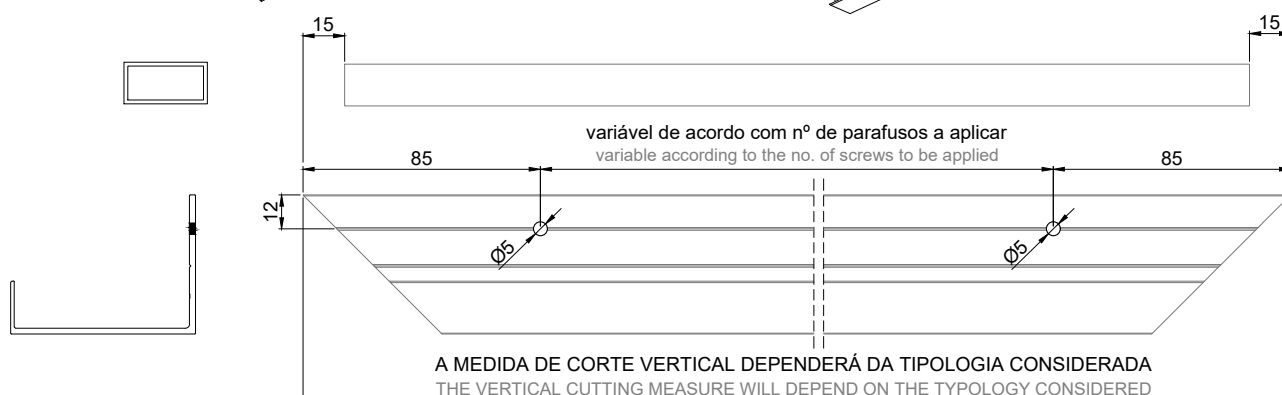
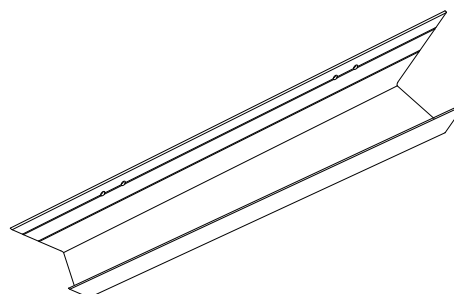
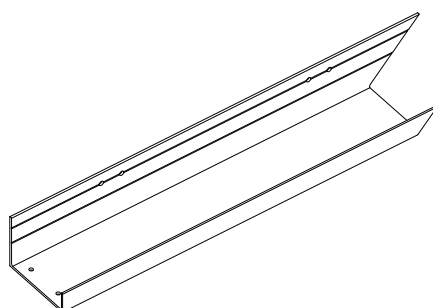
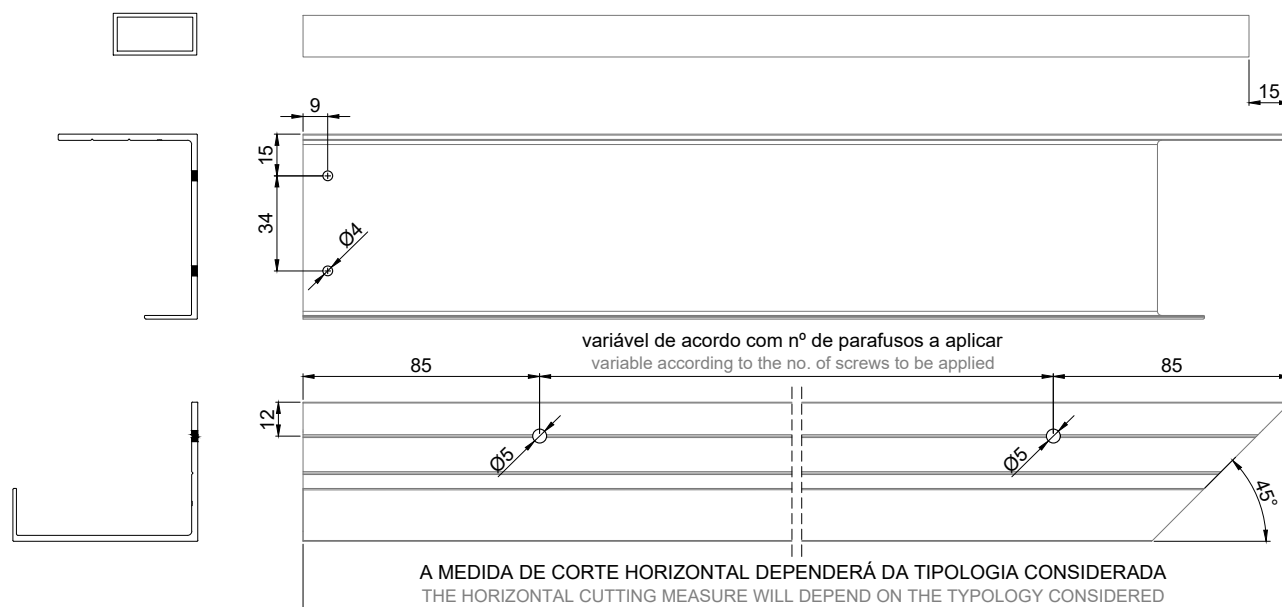
14.14 - Corte e fresagem dos perfis de remate KP32 e SO48.  
KP32 and SO48 finishing profiles cutting and milling.



SO 48

### IMPORTANTE | IMPORTANT:

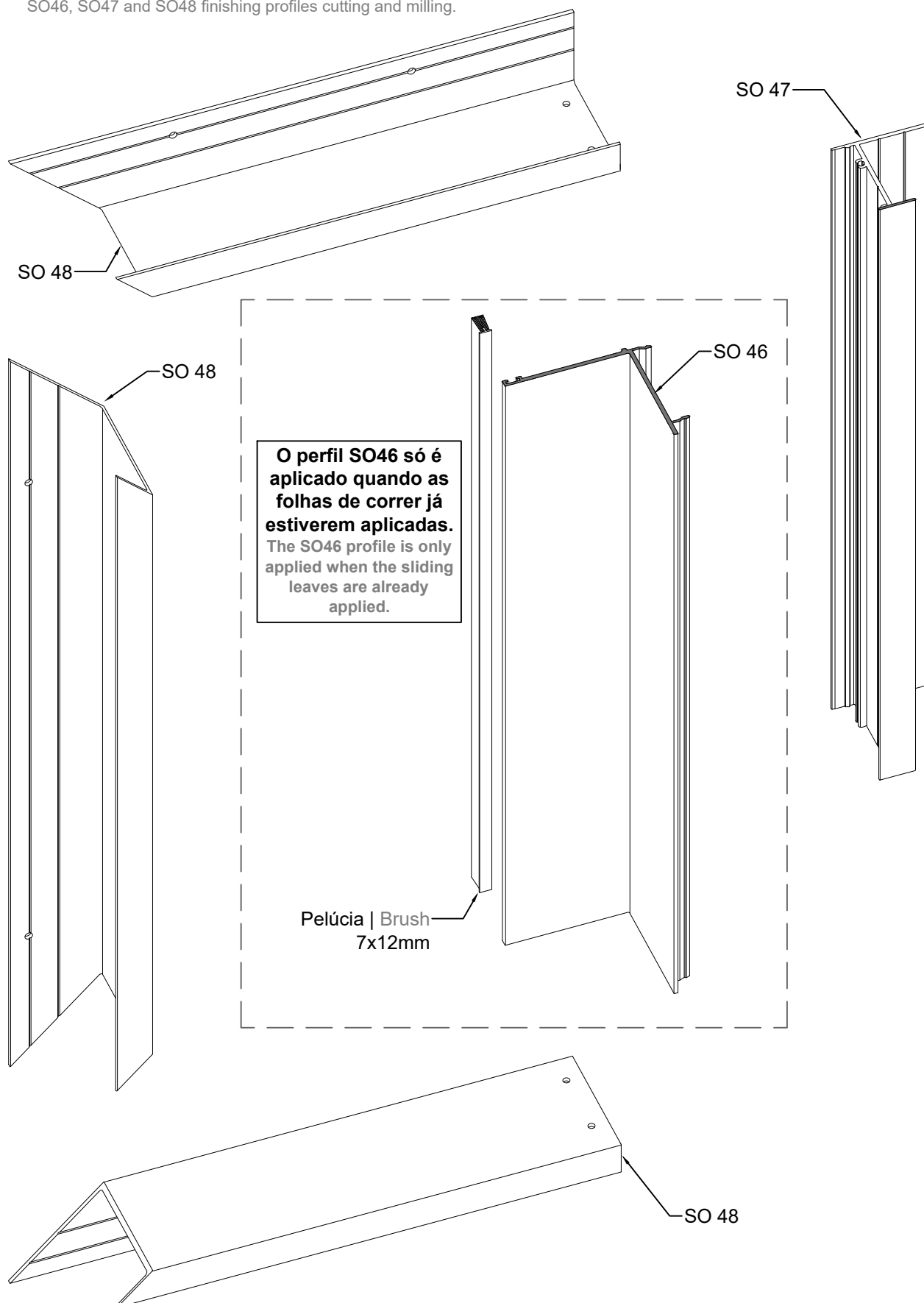
**As medidas de corte podem variar consoante a tipologia do vão.**  
**The cutting measures may vary according to the typology of the frame.**



## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

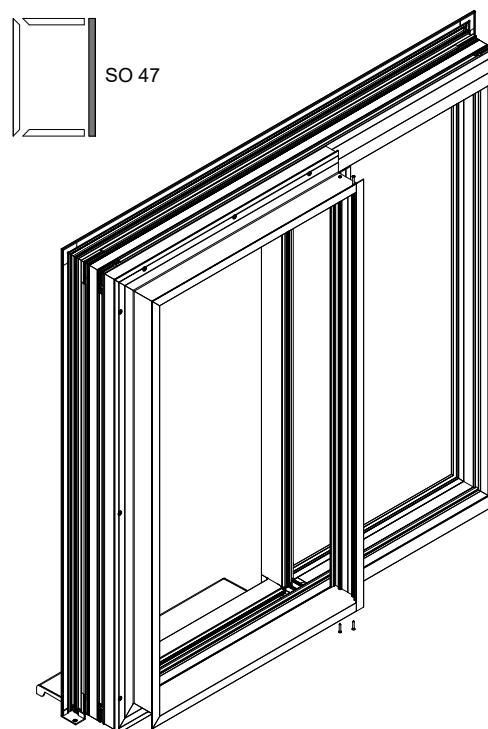
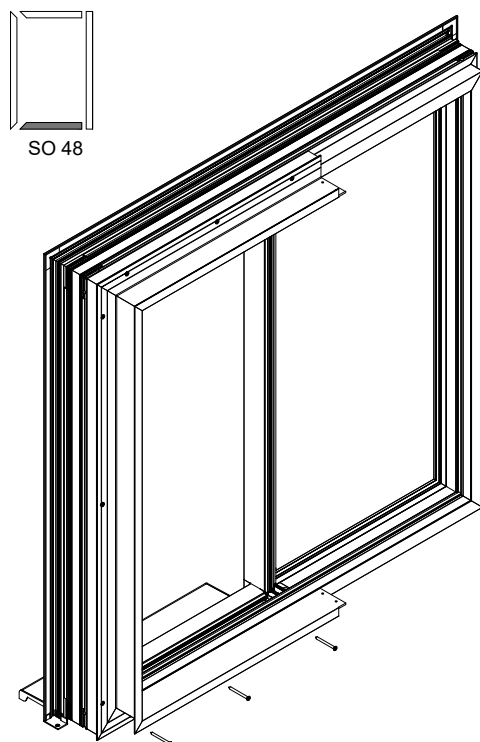
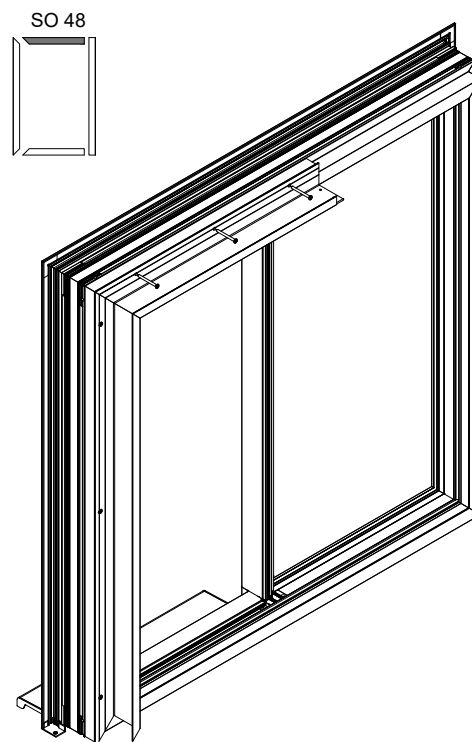
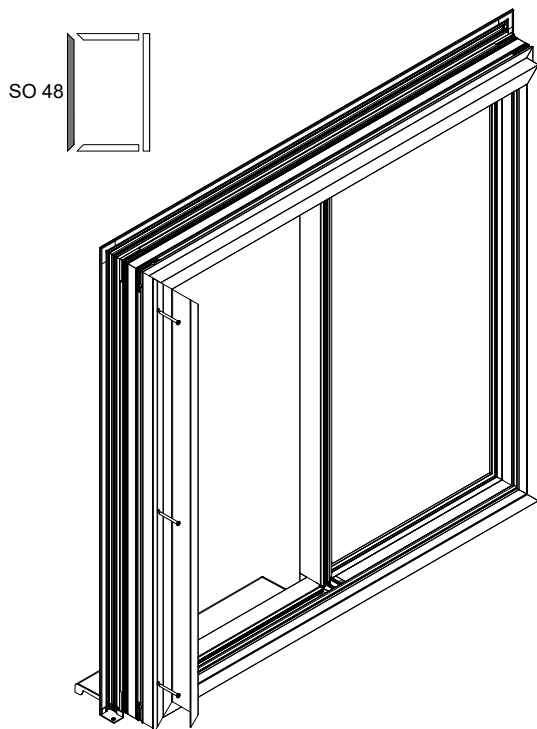
14.15 - Corte e fresagem dos perfis de remate SO46, SO47 e SO48.  
SO46, SO47 and SO48 finishing profiles cutting and milling.



## MONTAGEM DE AROS FIXOS FR E PT (CORTE 45°) FR AND PT FIXED FRAMES ASSEMBLY (45° CUT)

14 - Tipologia de embutir.  
Hidden sliding typology.

14.16 - Aplicar e fixar os perfis SO47 e SO48.  
Apply and fix the SO47 and SO48 profiles.



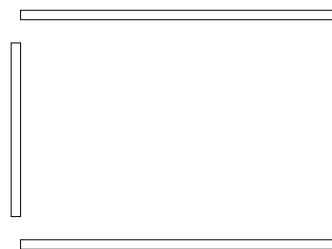
## MONTAGEM DE AROS FIXOS COM PERFIL SOLEIRA 30MM (CORTE 90°)

### FIXED FRAMES ASSEMBLY WITH 30MM SILL PROFILE (90° CUT)

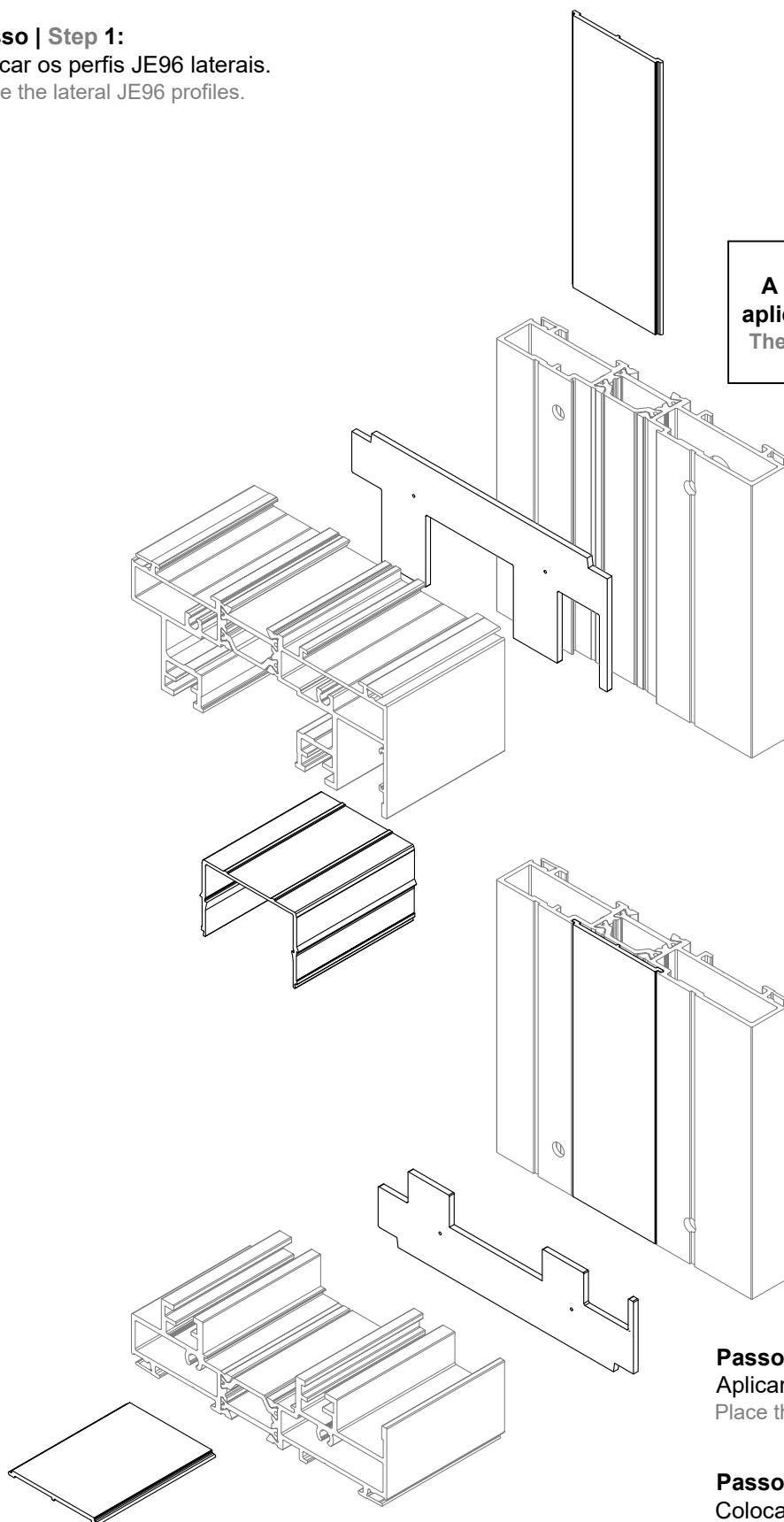
1 - Aplicação dos perfis JE96 e PVC U nos aros fixos.  
JE96 e U PVC profiles application in fixed frames.

#### Passo | Step 1:

Aplicar os perfis JE96 laterais.  
Place the lateral JE96 profiles.



**IMPORTANTE | IMPORTANT:**  
A calha superior U só deverá ser aplicada depois de fechar o aro fixo.  
The top U PVC profile must be applied after the fixed frame is closed.



**Passo | Step 2:**  
Aplicar os perfis JE96 inferiores.  
Place the bottom JE96 profiles.

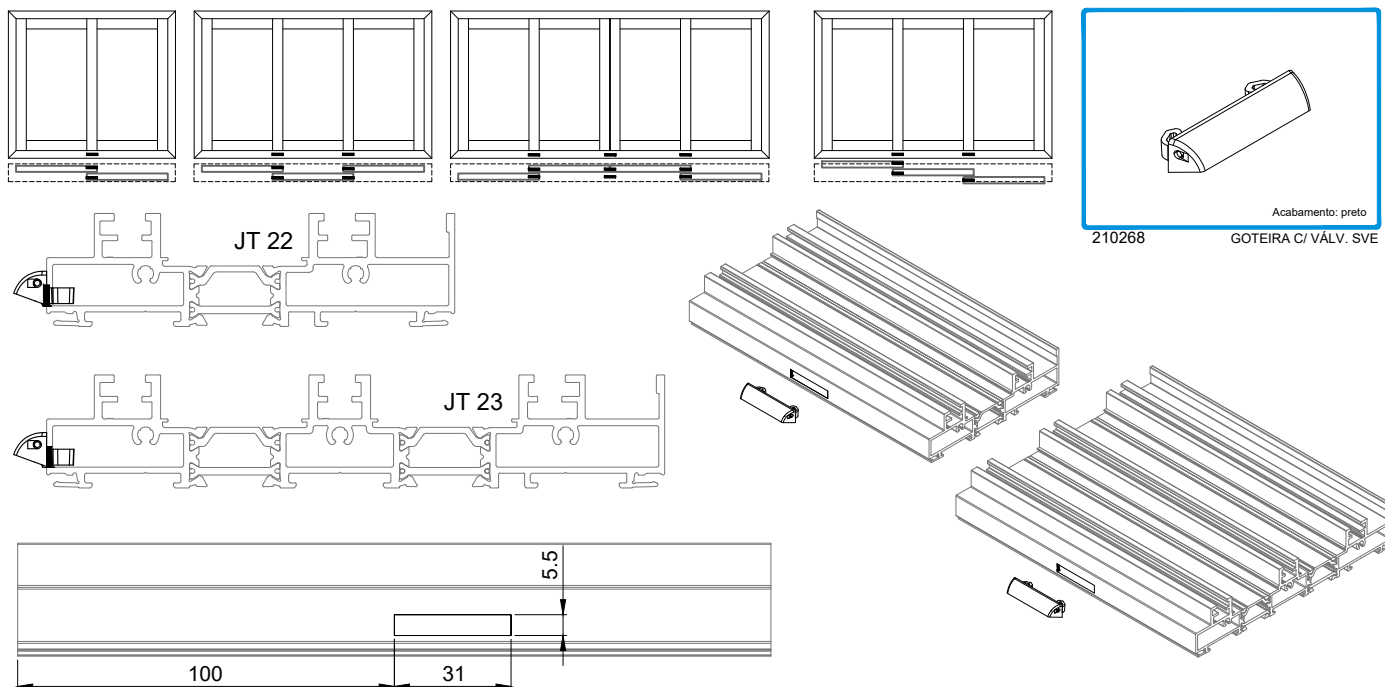
**Passo | Step 3:**  
Colocar as juntas adesivas.  
Place the adhesive joints.

## MONTAGEM DE AROS FIXOS COM PERFIL SOLEIRA 30MM (CORTE 90°)

### FIXED FRAMES ASSEMBLY WITH 30MM SILL PROFILE (90° CUT)

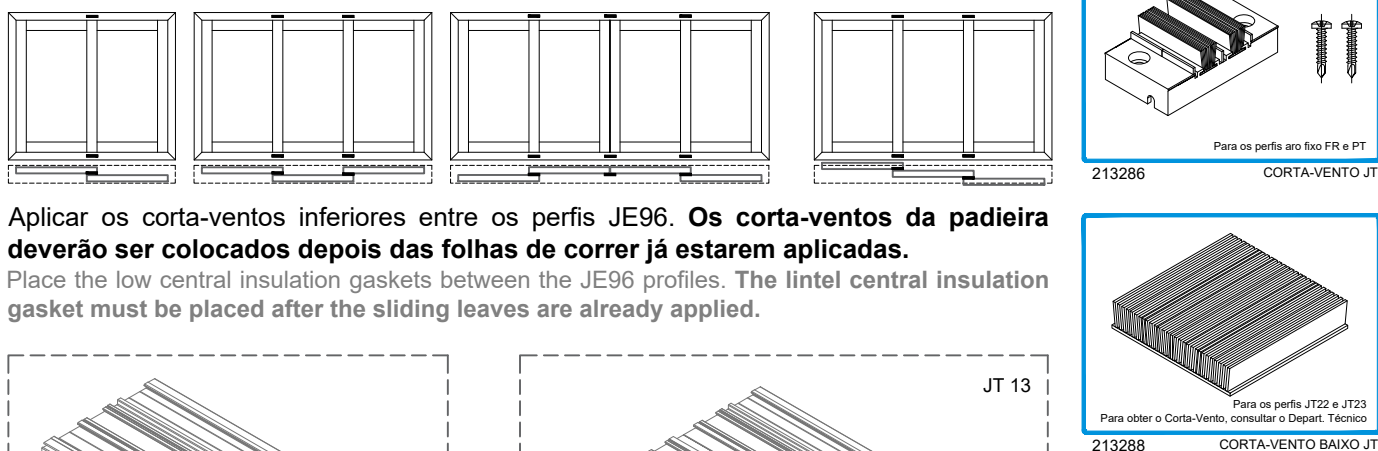
#### 2 - Colocação de goteiras nos aros fixos.

Drips placing in fixed frames.



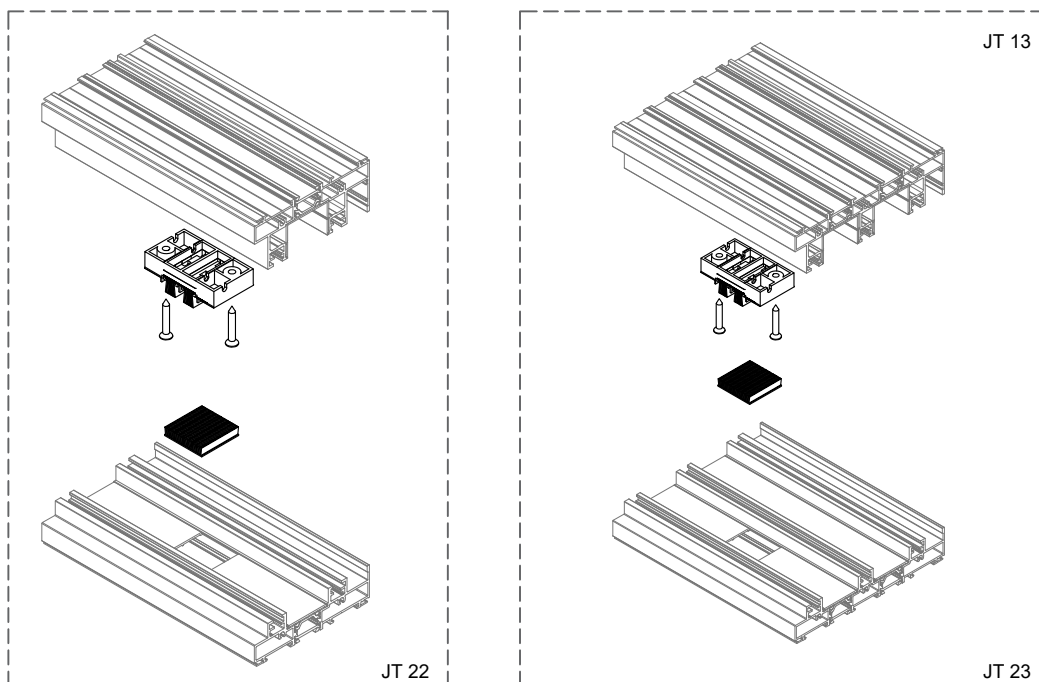
#### 3 - Colocação dos corta-ventos nos aros fixos.

Central insulation gaskets placing in fixed frames.



Aplicar os corta-ventos inferiores entre os perfis JE96. **Os corta-ventos da padieira deverão ser colocados depois das folhas de correr já estarem aplicadas.**

Place the low central insulation gaskets between the JE96 profiles. **The lintel central insulation gasket must be placed after the sliding leaves are already applied.**



## MONTAGEM DE AROS FIXOS COM PERFIL SOLEIRA 30MM (CORTE 90°)

### FIXED FRAMES ASSEMBLY WITH 30MM SILL PROFILE (90° CUT)

#### 4 - Aplicação de juntas adesivas e perfil poliamida JE96.

Adhesive joint and polyamide profile application.

##### PASSO | STEP 1:

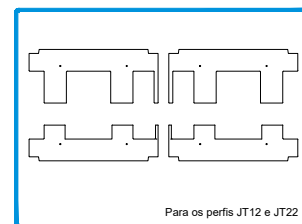
Colocação do perfil JE96 nos perfis ombreira | JE96 profile applying in jamb frames.

##### PASSO | STEP 2:

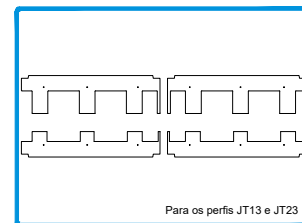
Colocação de juntas adesivas nas extremidades do perfil soleira | Adhesive joints applying in the edges of the sill profile.

##### PASSO | STEP 3:

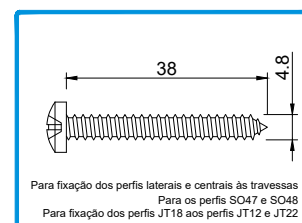
Fixação das ombreiras à soleira e à padieira através de parafusos | Jamb profiles fixation to the sill and lintel through screws.



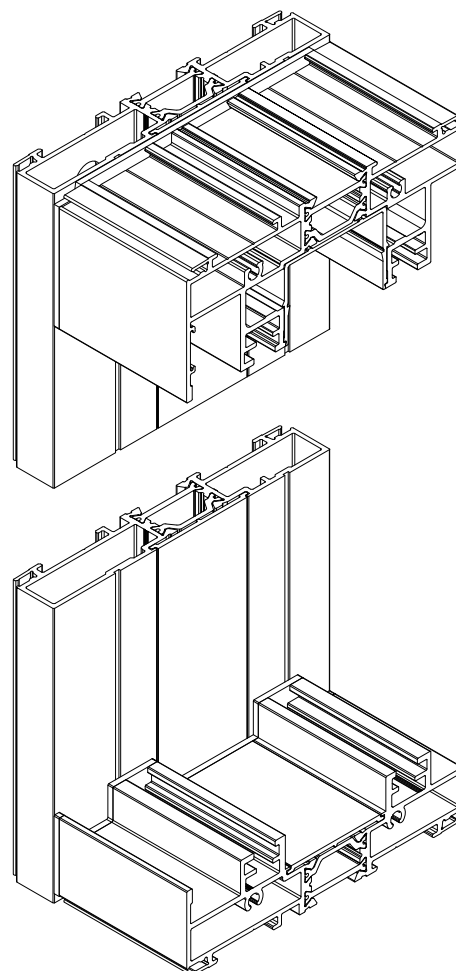
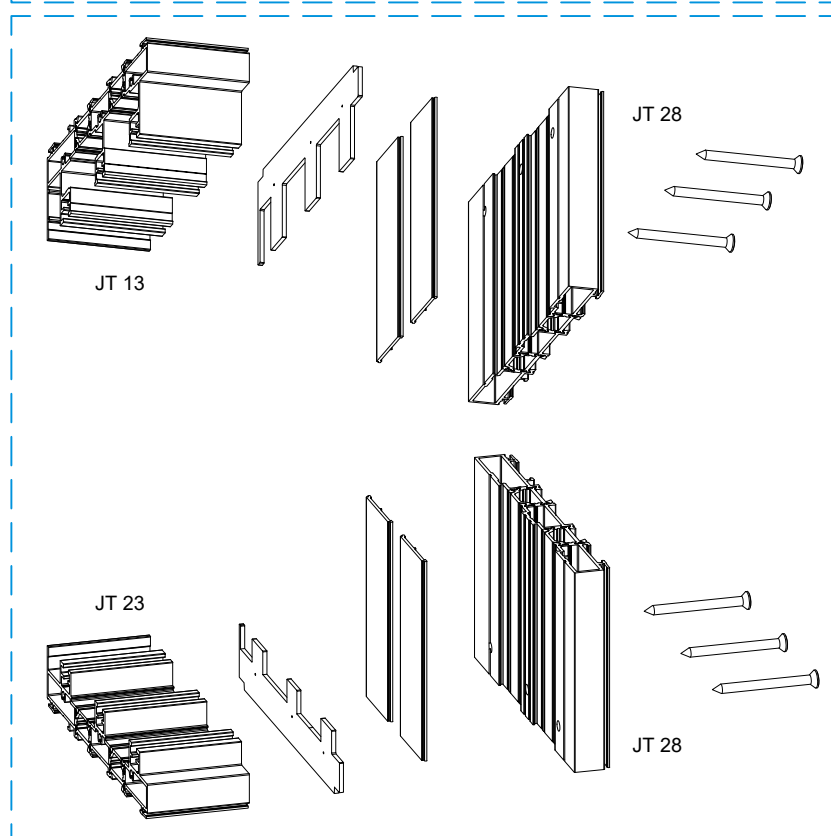
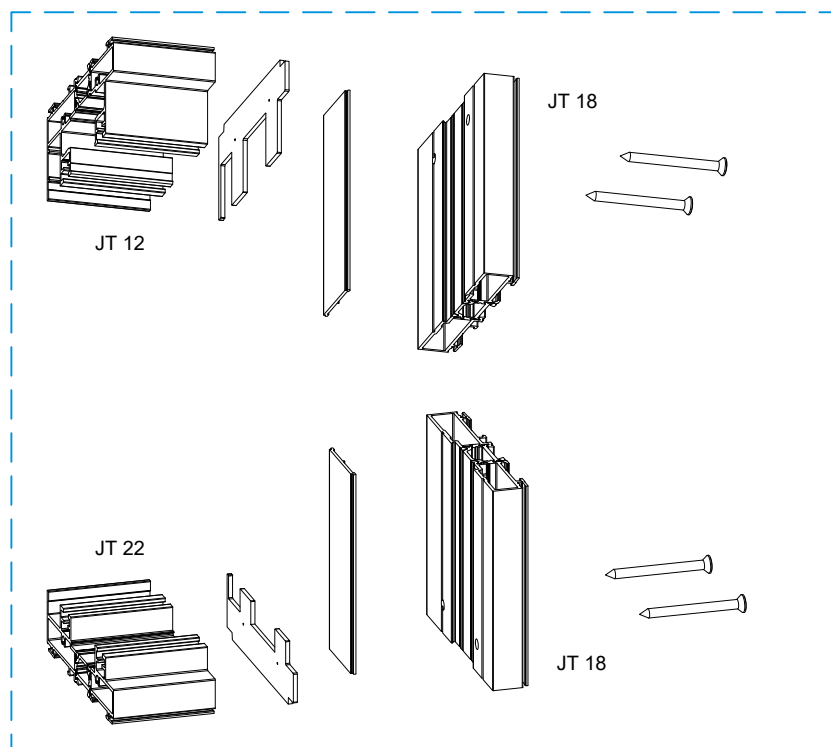
223105 KIT JUNTAS ADESIVAS Nº1 JT



223106 KIT JUNTAS ADESIVAS Nº2 JT

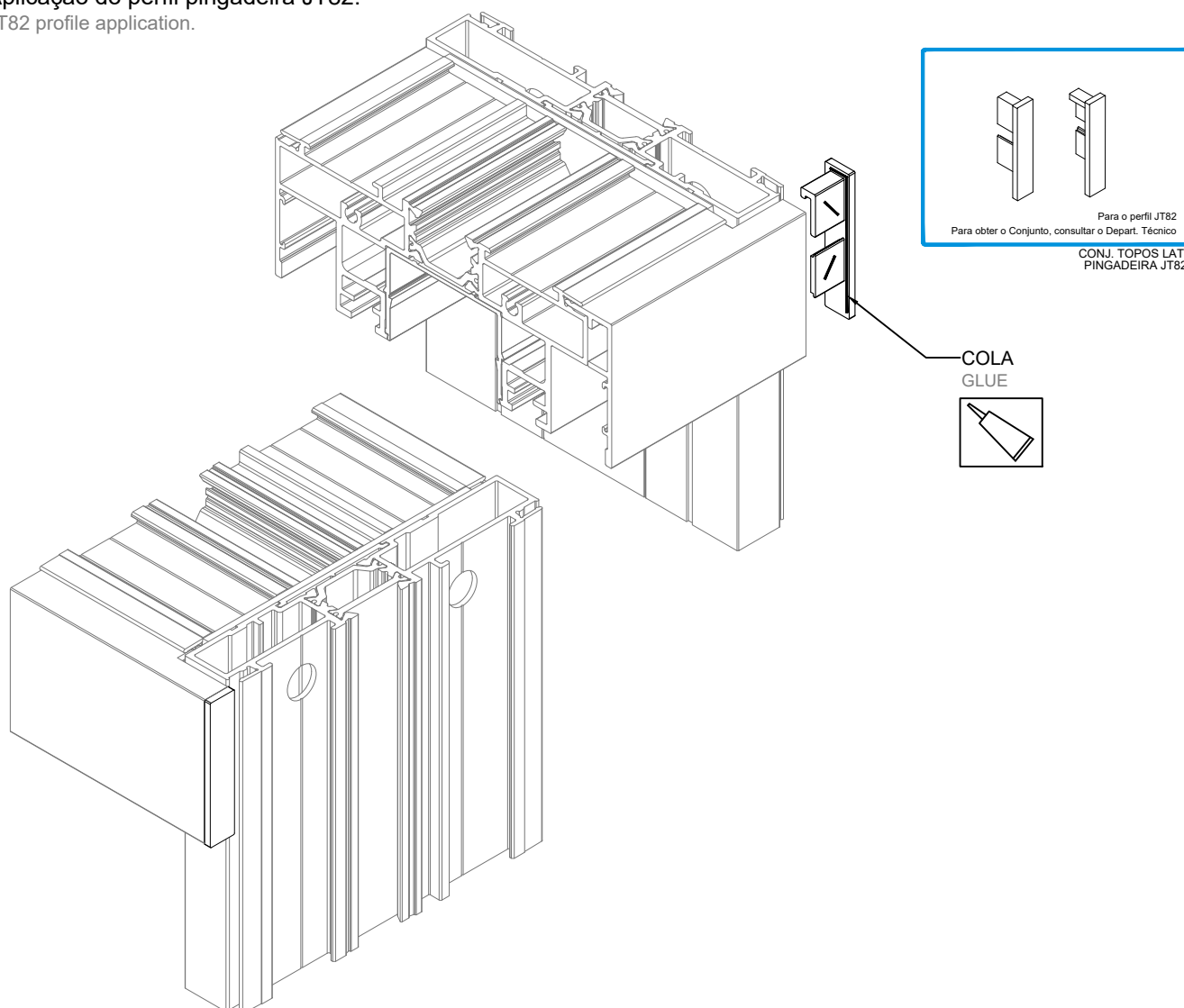


290158 PARAF PKI PH 1 1/2x10 CQ

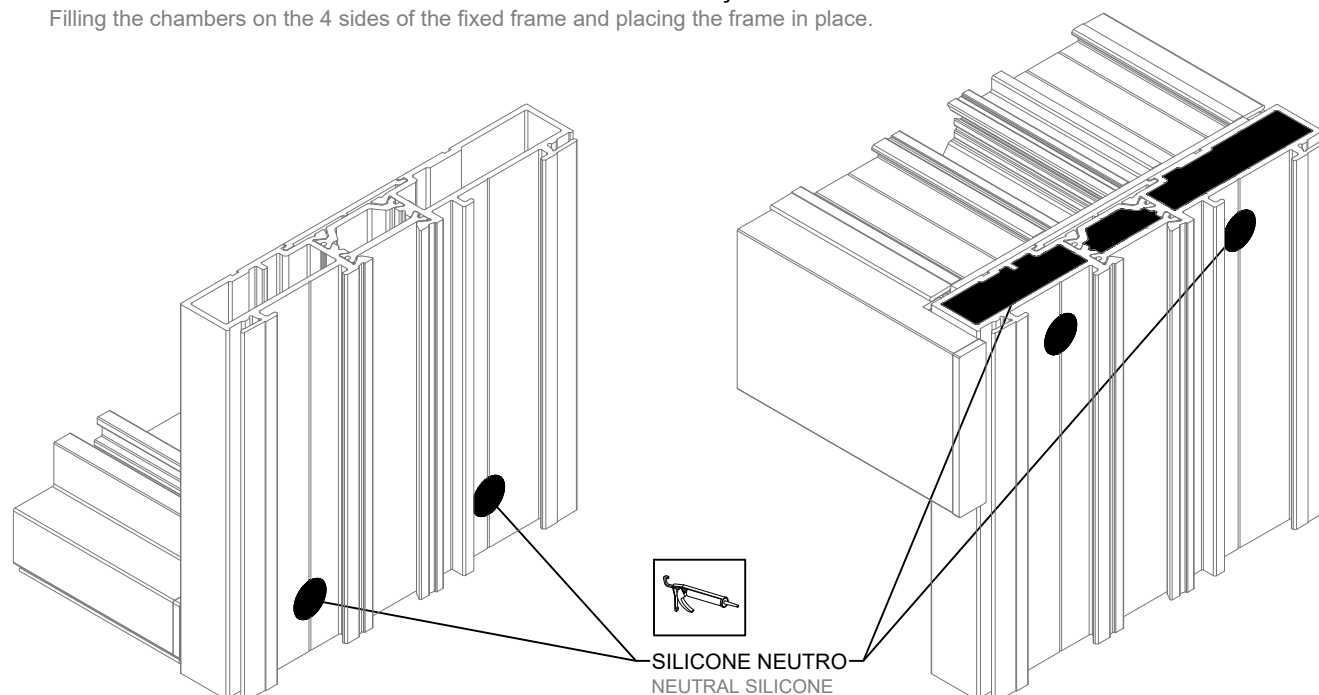


## MONTAGEM DE AROS FIXOS COM PERFIL SOLEIRA 30MM (CORTE 90°) FIXED FRAMES ASSEMBLY WITH 30MM SILL PROFILE (90° CUT)

### 5 - Aplicação do perfil pingadeira JT82. JT82 profile application.



### 6 - Enchimento das câmaras nos 4 lados do aro fixo e colocação do aro ao sítio. Filling the chambers on the 4 sides of the fixed frame and placing the frame in place.



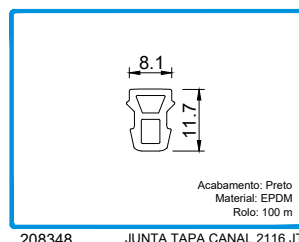
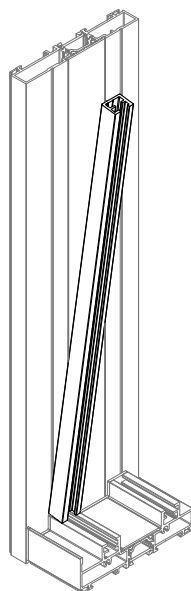


## MONTAGEM DE AROS FIXOS COM PERFIL SOLEIRA 30MM (CORTE 90°) FIXED FRAMES ASSEMBLY WITH 30MM SILL PROFILE (90° CUT)

7 - Aplicação dos perfis JT78 e JT79 nas ombreiras.  
JT78 and JT79 application in jamb profiles.

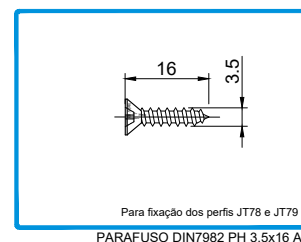
### Passo | Step 1:

Colocar o perfil guia lateral na ombreira.  
Place the lateral guide profile in the jamb.



208348

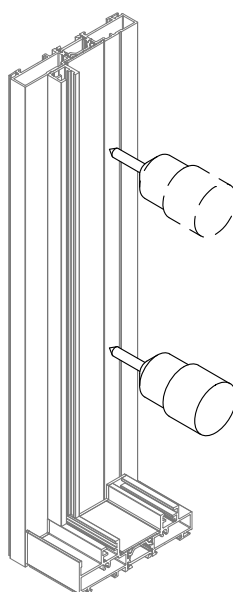
JUNTA TAPA CANAL 2116 JT



PARAFUSO DIN7982 PH 3,5x16 A2

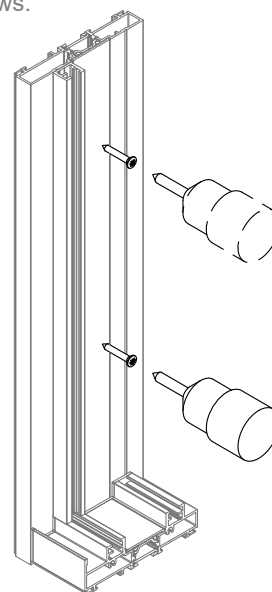
### Passo | Step 2:

Furar os perfis guia lateral e ombreira  
(ver furação na secção MAQUINAÇÃO)  
Drill the lateral guide and jamb profiles  
(see drilling in MACHINING section)



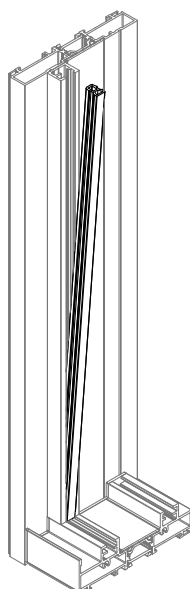
### Passo | Step 3:

Fixar o perfil guia lateral à ombreira  
através de parafusos.  
Fix the lateral guide profile into the jamb  
using screws.



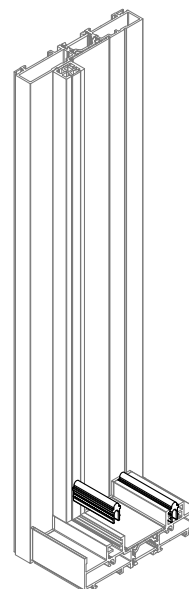
### Passo | Step 4:

Aplicar o vedante tapa canal VD2116.  
Apply the VD 2116 channel cover joint.



### Passo | Step 5:

Aplicar os perfis guias inferiores JT87.  
Apply the JT87 bottom profile guides.



Nas zonas onde se localizarão os contra-fechos, a junta deverá ser interrompida.

In the zones where the counter-locks will be located, the joint must be interrupted.

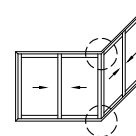
#### IMPORTANTE | IMPORTANT:

A zona de interrupção da junta deverá ser suficiente para permitir os movimentos do fecho multiponto SOT.

The joint interruption zone must be sufficient to allow the movements of the SOT multipoint lock.

## MONTAGEM DE AROS FIXOS COM PERFIL SOLEIRA 30MM (CORTE 90°) FIXED FRAMES ASSEMBLY WITH 30MM SILL PROFILE (90° CUT)

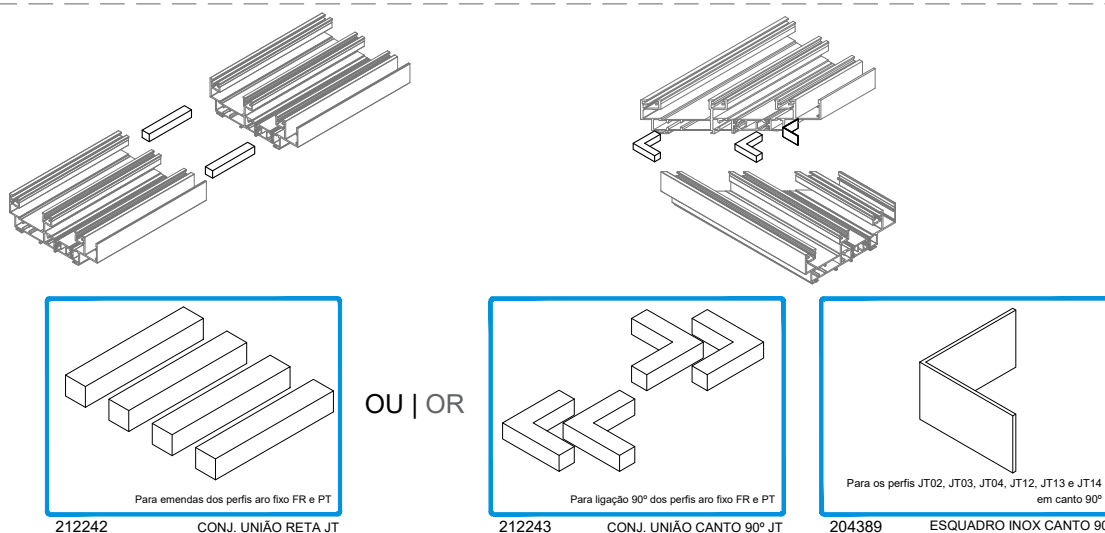
### 8 - Aplicação dos conj. união reta e canto 90° JT Straight union kit and angles applying in fixed frames



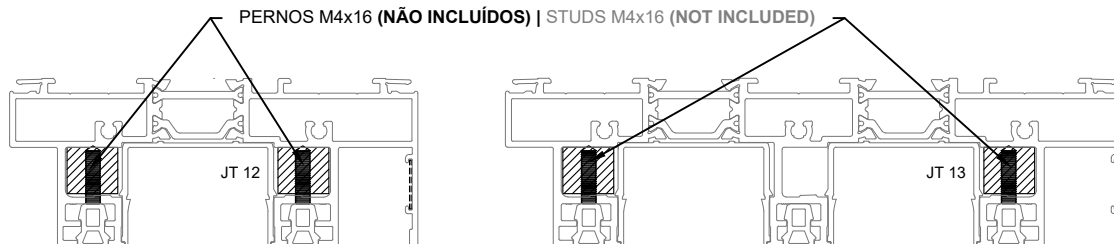
#### IMPORTANTE | IMPORTANT:

Encher as câmaras com silicone antes de colocar as peças que constituem os conjuntos, fixá-las conforme esquemas abaixo e aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias  
Fill the chambers with silicone before placing the pieces that constitute the kits, fix them according to the following schemes and apply silicone in the same color as the profiles or neutral silicone in the frame's areas.

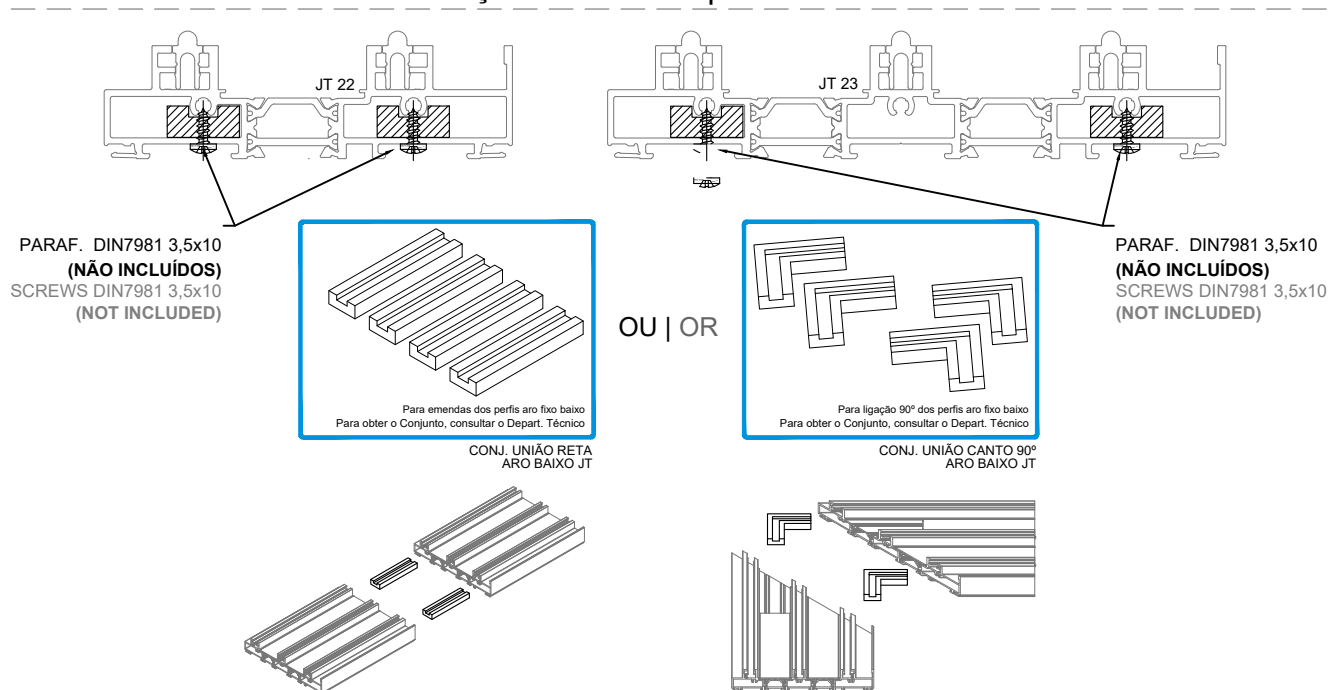
#### APLICAÇÃO NA PADIEIRA | LINTEL APPLICATION



#### PERNOS M4x16 (NÃO INCLuíDOS) | STUDS M4x16 (NOT INCLUDED)



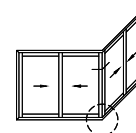
#### APLICAÇÃO NA SOLEIRA | SILL APPLICATION



## MONTAGEM DE AROS FIXOS COM PERFIL SOLEIRA 30MM (CORTE 90°) FIXED FRAMES ASSEMBLY WITH 30MM SILL PROFILE (90° CUT)

### 9 - Montagem de aros fixos, em tipologias de canto 90°.

Fixed frames assembly, in 90° corner typologies.

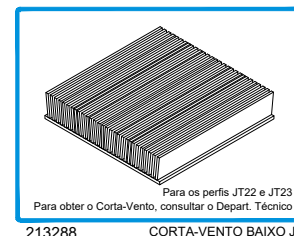
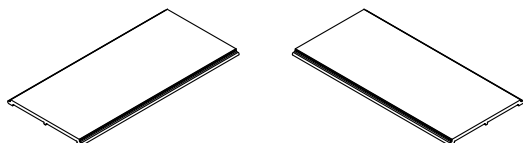


#### 9.1 - Colocar as peças que constituem o conj. união e os esquadros inox canto 90° nos perfis e fixá-los com parafusos M4x16 (ver página anterior).

Place the 90° corner union kit pieces and corners and fix them with M4x16 studs (see previous page).

#### 9.2 - Cortar os perfis JE96 antes de aplicar o corta-vento canto 90°.

Cut the PVC profiles before applying the 90° corner insulation gasket.

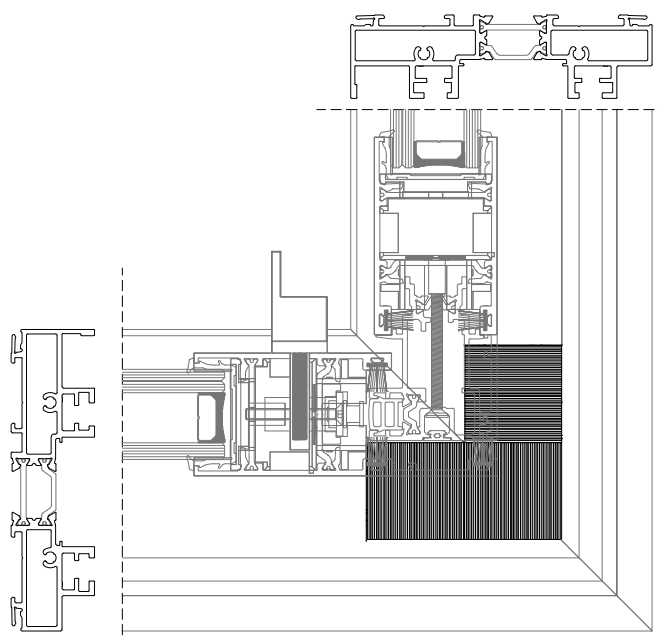
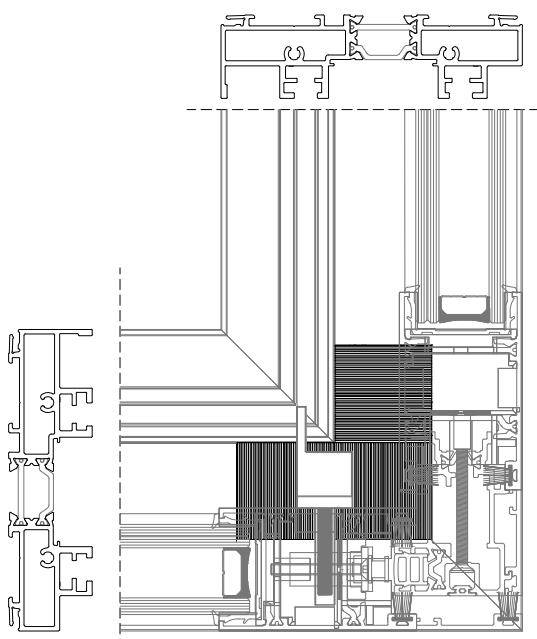


213288

CORTA-VENTO BAIXO JT

#### 9.3 - Aplicar o corta-vento canto 90° JT no aro fixo.

Apply the 90° corner insulation gasket in the fixed frame.



#### 9.4 - Fixar os corta-vento canto 90° na soleira e na padieira.

Fix the 90° corner insulation gaskets to the sill and the lintel.

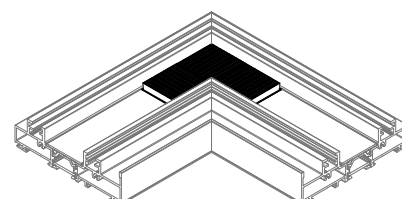
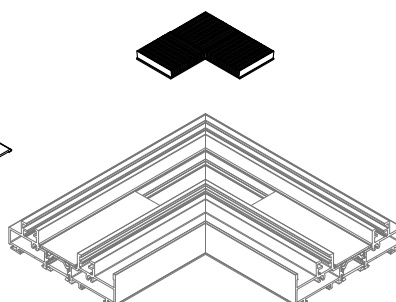
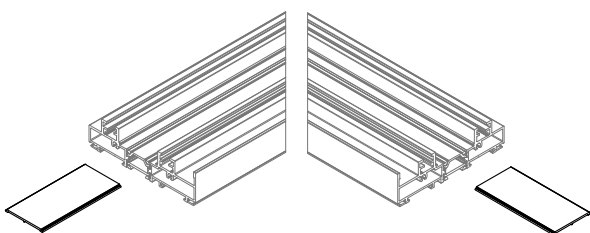
As medidas de corte dos perfis JE96 encontram-se no mapa de quantidades das tipologias de canto.

The cutting measures of the JE96 profiles can be found in the corners typologies quantity map.

### IMPORTANTE | IMPORTANT:

**Os perfis PVC T superiores só deverão ser colocadas depois de os aros móveis estarem aplicados.**

The upper T PVC profiles must only be installed after the mobile frames are applied.



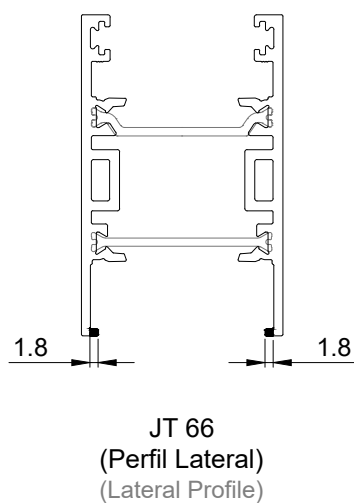
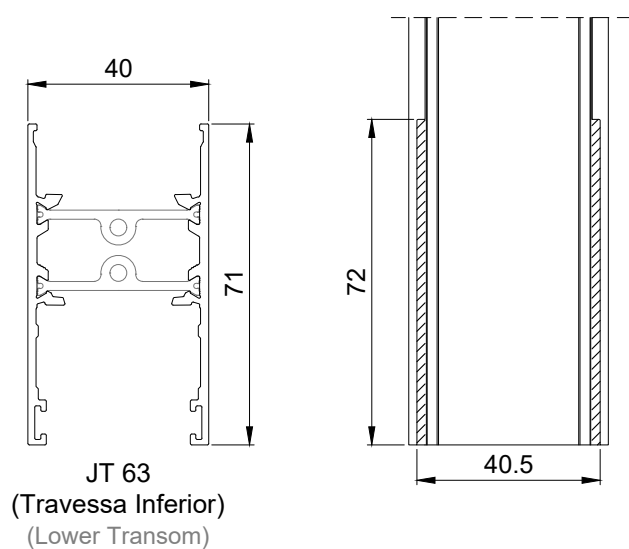
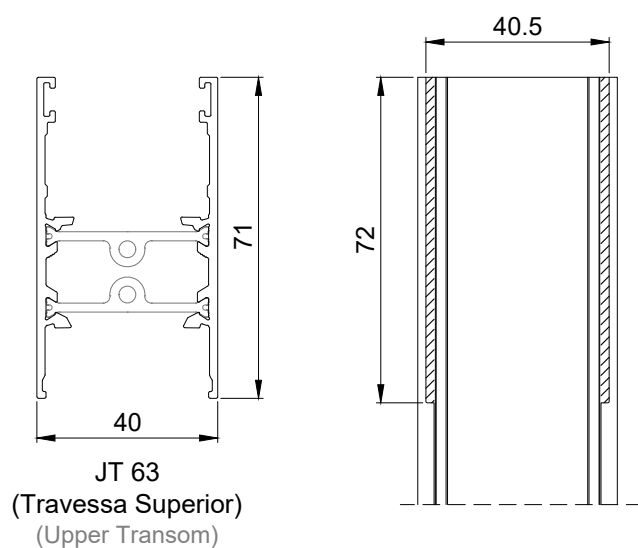
**MAQUINAÇÃO DOS PERFIS ARO MÓVEL**  
MOBILE FRAME PROFILES MACHINING

## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

### MOBILE FRAME PROFILES MACHINING

#### 1 - Fresagem dos perfis laterais para colocação das travessas superior e inferior.

Lateral profiles milling for placing the upper and lower transoms.

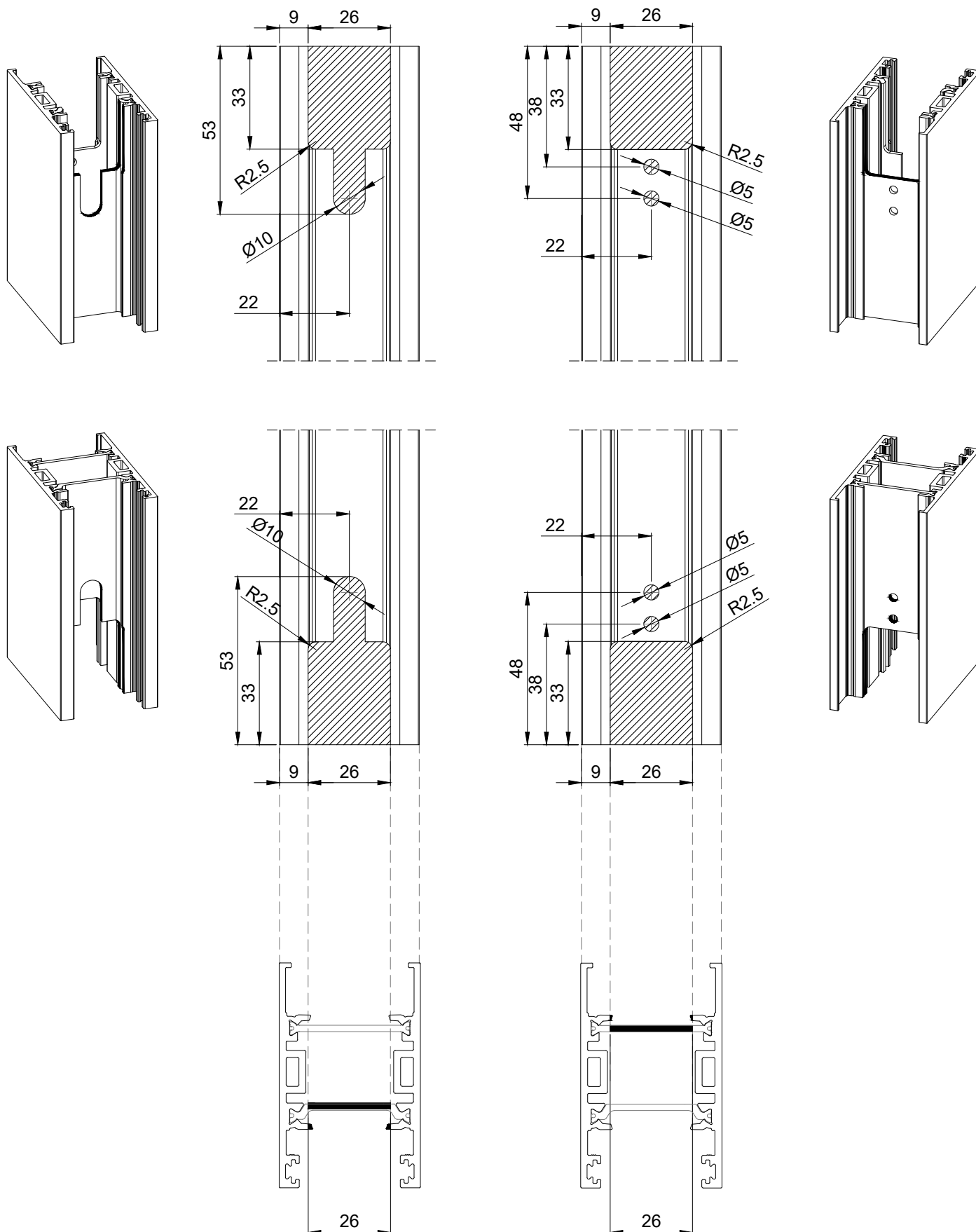


## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

### MOBILE FRAME PROFILES MACHINING

#### 2 - Fresagem dos perfis laterais para colocação dos topos laterais inferiores e superiores.

Lateral profiles milling for placing the lateral upper and lower end-caps.



## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

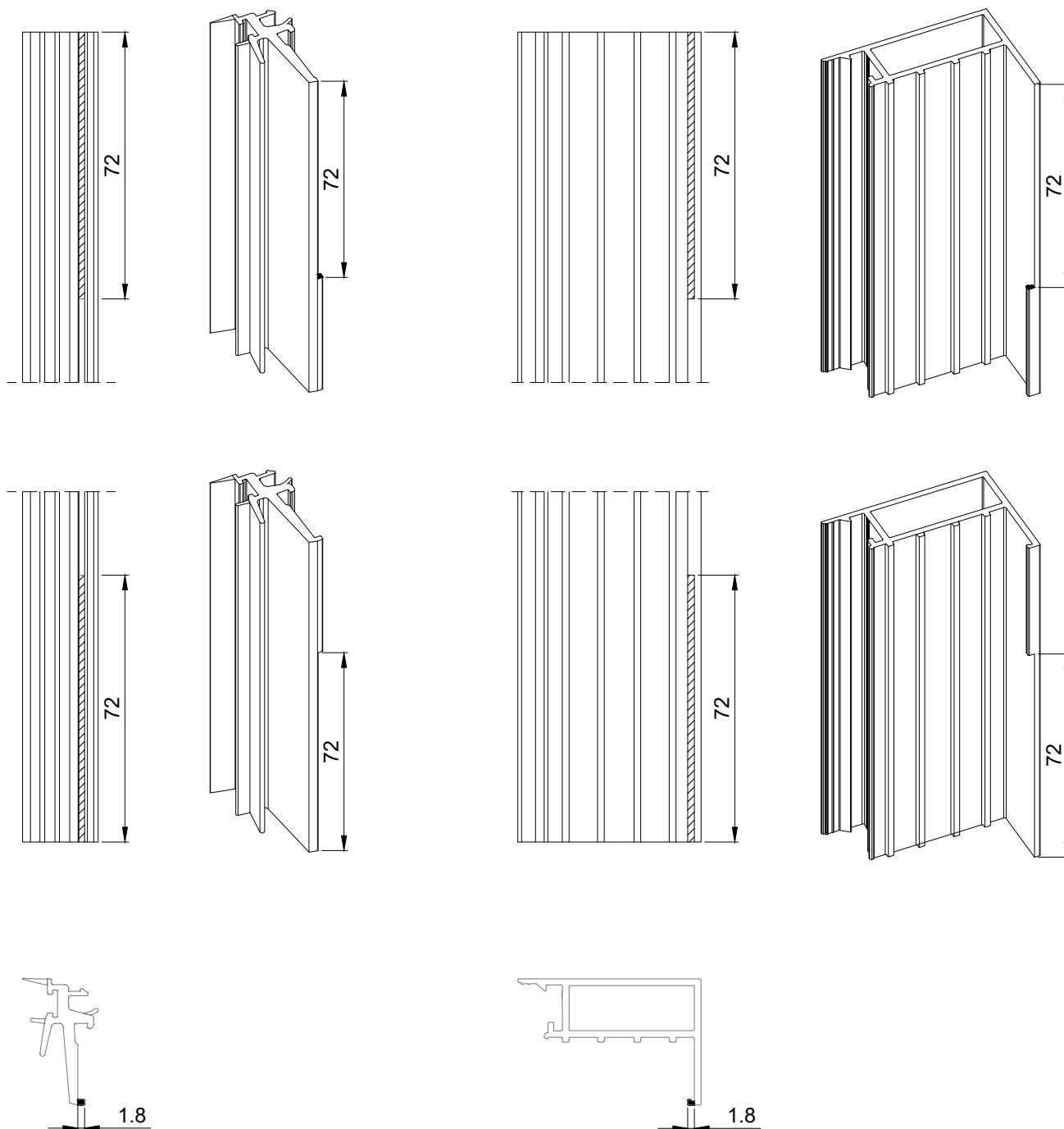
### MOBILE FRAME PROFILES MACHINING

3 - Fresagem do perfil e junta central para colocação das travessas superior e inferior.

**Seguir este procedimento em todos os perfis centrais.**

Central profile and joint milling for placing the upper and lower transoms.

**Follow this procedure in all central profiles.**



JUNTA CENTRAL 2196 JT  
JT 2196 CENTRAL JOINT

JT 51

## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

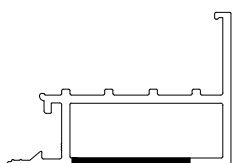
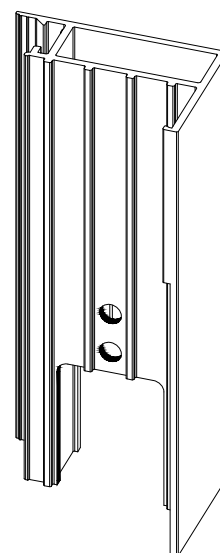
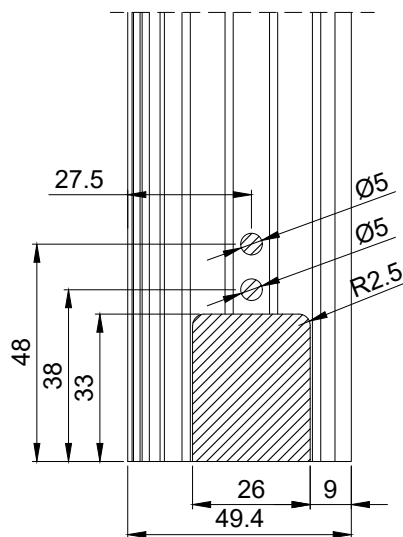
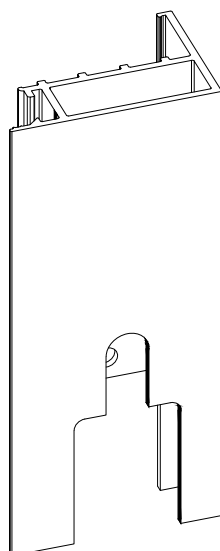
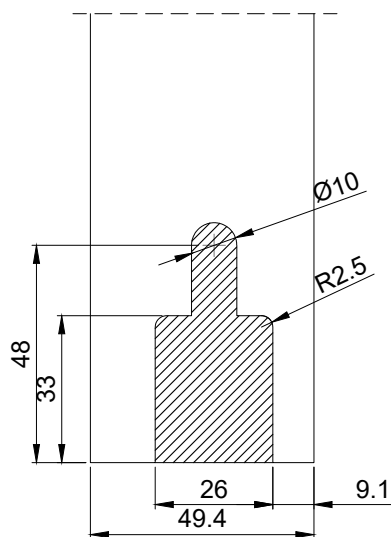
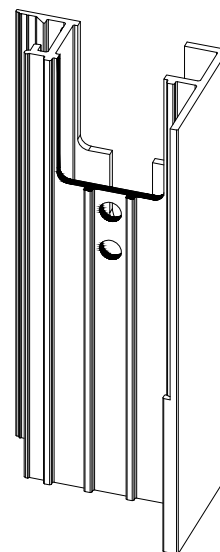
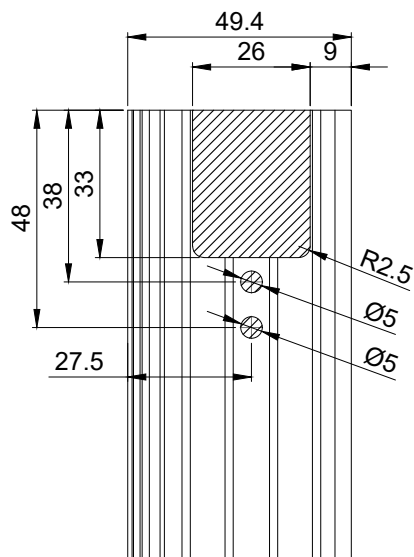
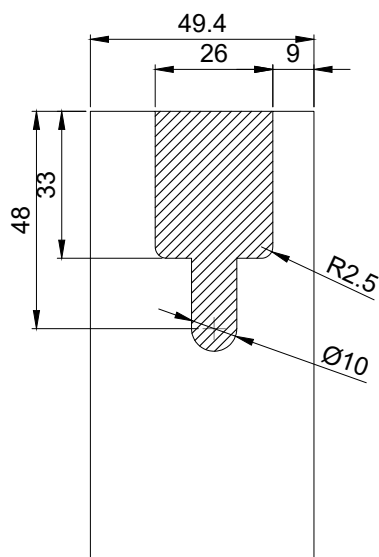
### MOBILE FRAME PROFILES MACHINING

4 - Fresagem do perfil central para colocação dos topos centrais superiores e inferiores.

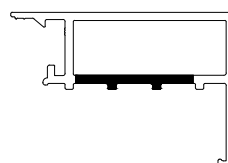
**Seguir este procedimento em todos os perfis centrais.**

Central profile milling for placing the central upper and lower end-caps.

**Follow this procedure in all central profiles.**



JT 51



JT 51



## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

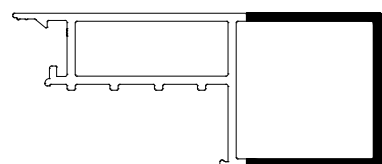
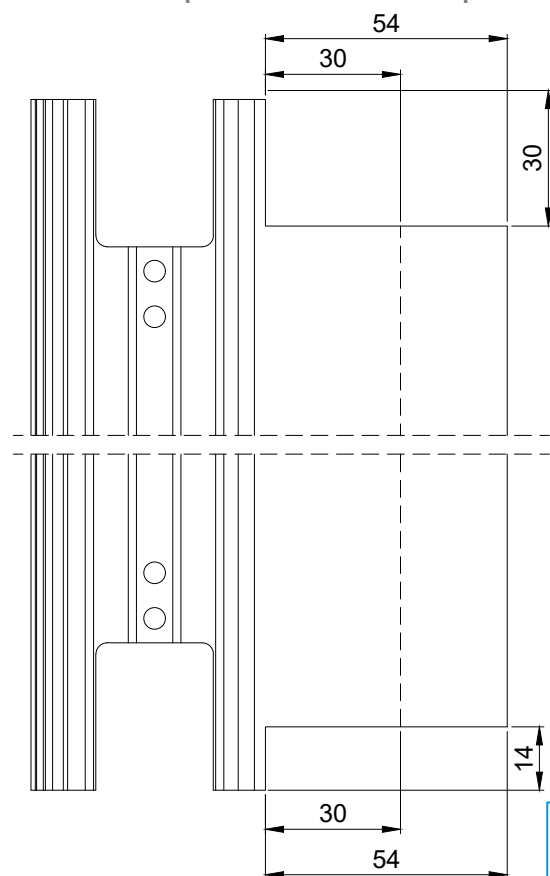
### MOBILE FRAME PROFILES MACHINING

5 - Fresagem dos perfis centrais de reforço.

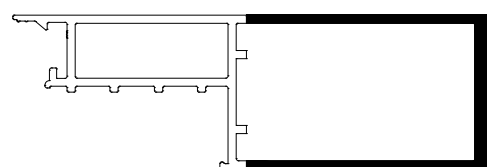
**Seguir este procedimento em todos os perfis centrais.**

Reinforcement central profile milling.

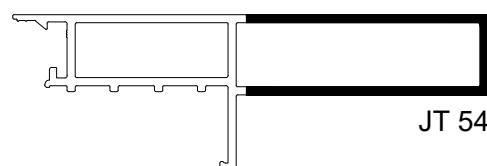
**Follow this procedure in all central profiles.**



JT 52

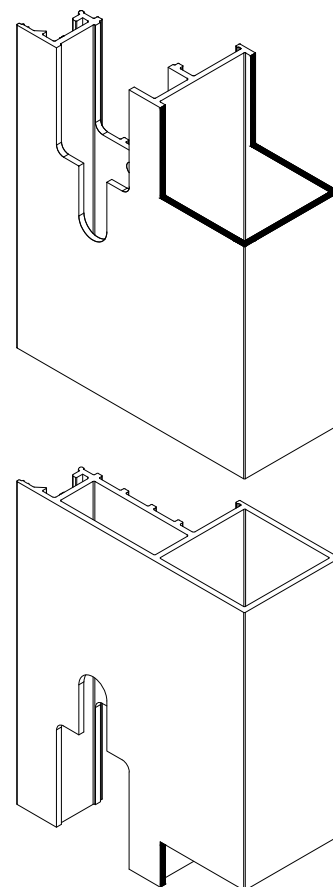


JT 53

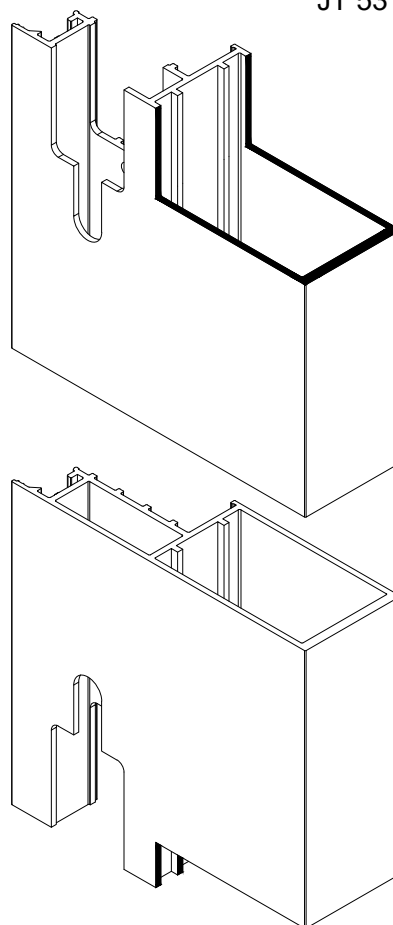


JT 54

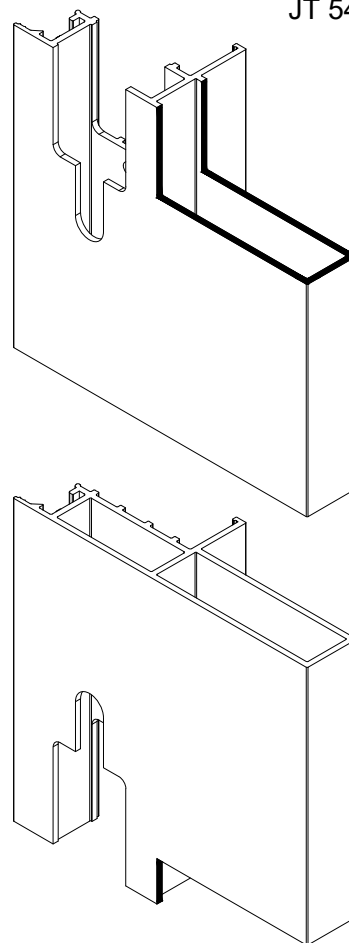
JT 52



JT 53



JT 54



## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

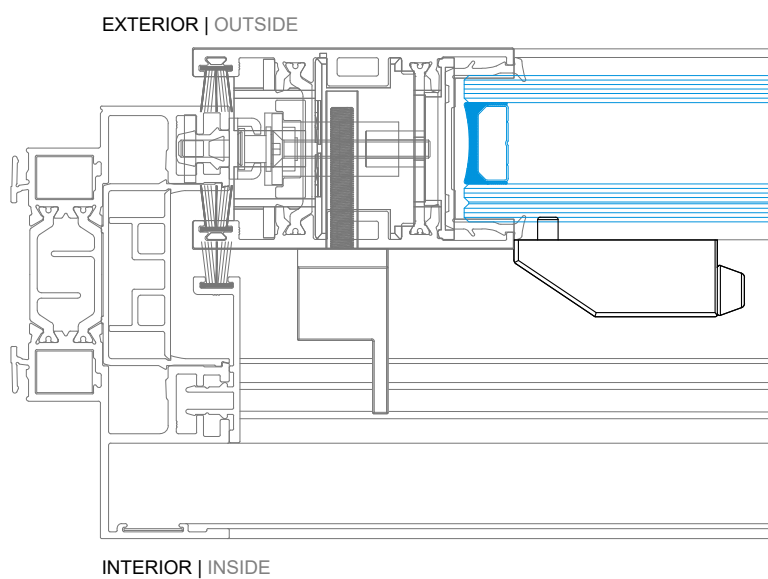
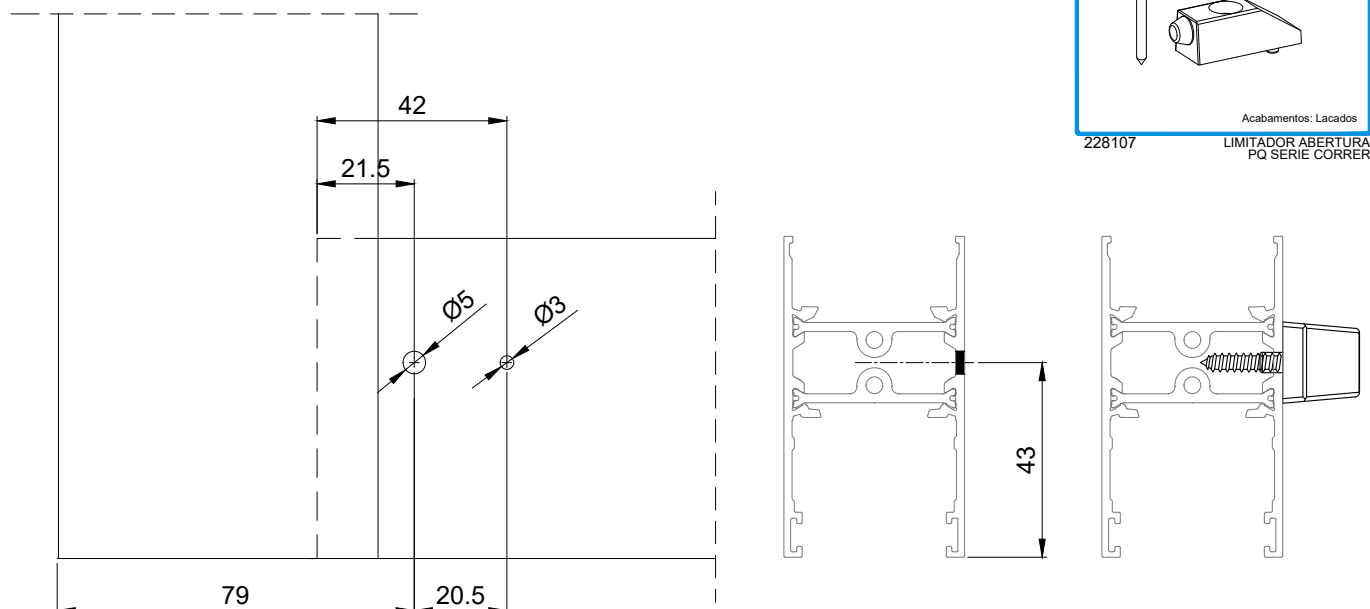
### MOBILE FRAME PROFILES MACHINING

#### 6 - Aplicação do limitador de abertura na travessa inferior JT63.

Buffer application on the lower transom JT63.

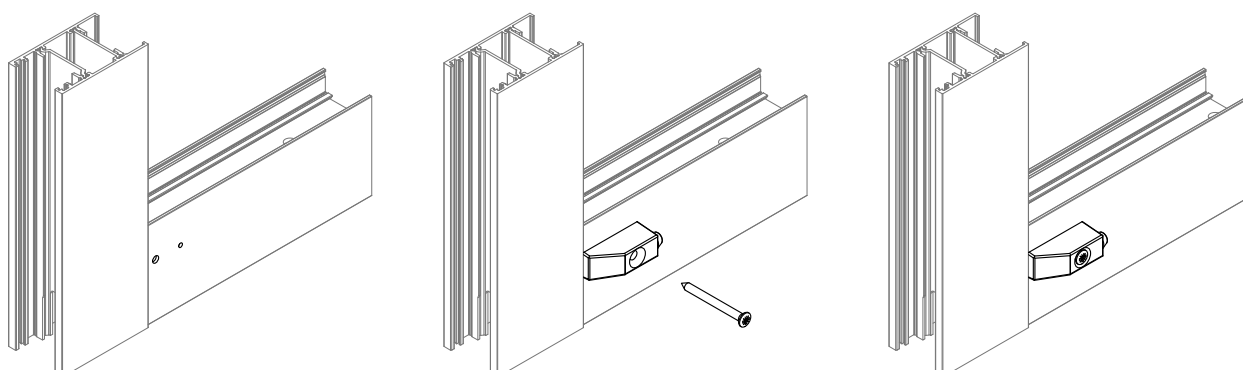
##### 6.1 -Furação para a fixação do limitador de abertura.

Drilling for fixing the buffer.



#### 6.2 -Fixação do limitador de abertura à travessa: fazer 2 furos (1 Ø5mm + 1 Ø3mm), às distâncias recomendadas e depois aparafusar.

Fixing the buffer to the transom: drill 2 holes (1 Ø5mm + 1 Ø3mm), at the recommended distances and then screw.



## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

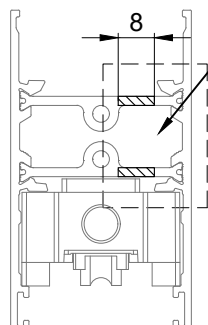
### MOBILE FRAME PROFILES MACHINING

#### 7 - Furação para drenagens e descompressão e aplicação dos carrinhos.

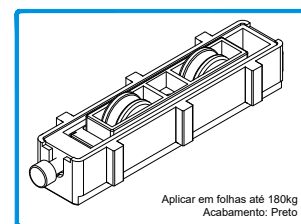
Drainage and decompression drilling and rollers application.

##### 7.1 - Travessa Inferior.

Lower Transom.



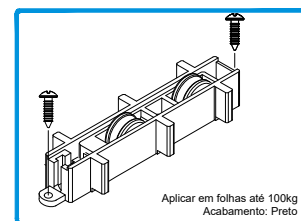
Os furos devem ser feitos no lado exterior do perfil  
The holes must be drilled on the outside of the profile



205129

Aplicar em folhas até 180kg  
Acabamento: Preto

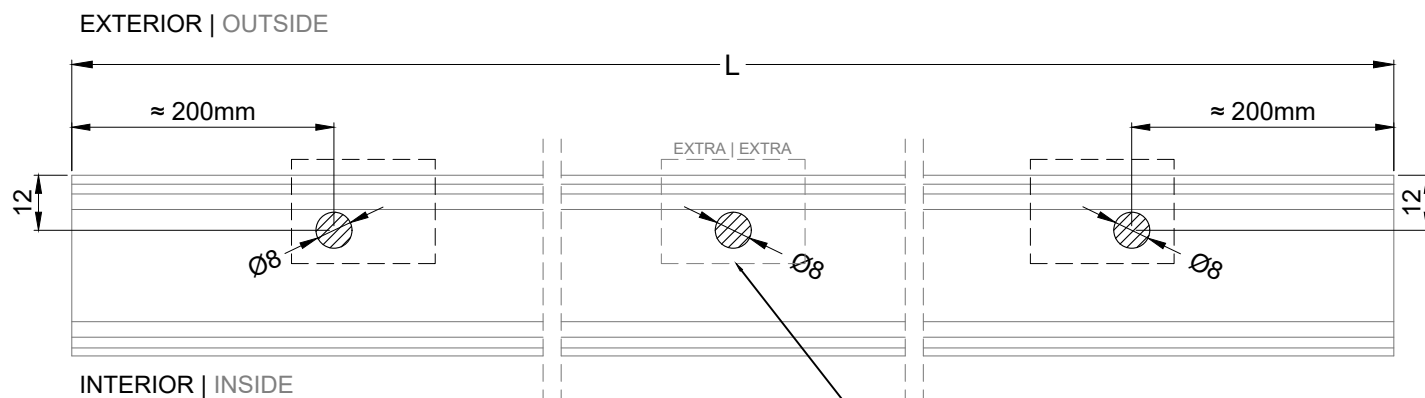
CARRINHO JT 180KG



205108

Aplicar em folhas até 100kg  
Acabamento: Preto

CARRINHO JT 100KG



Se  $L \geq 1m$  deverá ser feito um furo adicional ao centro da travessa inferior  
If  $L \geq 1m$  drill an additional hole in the center of the lower transom

## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

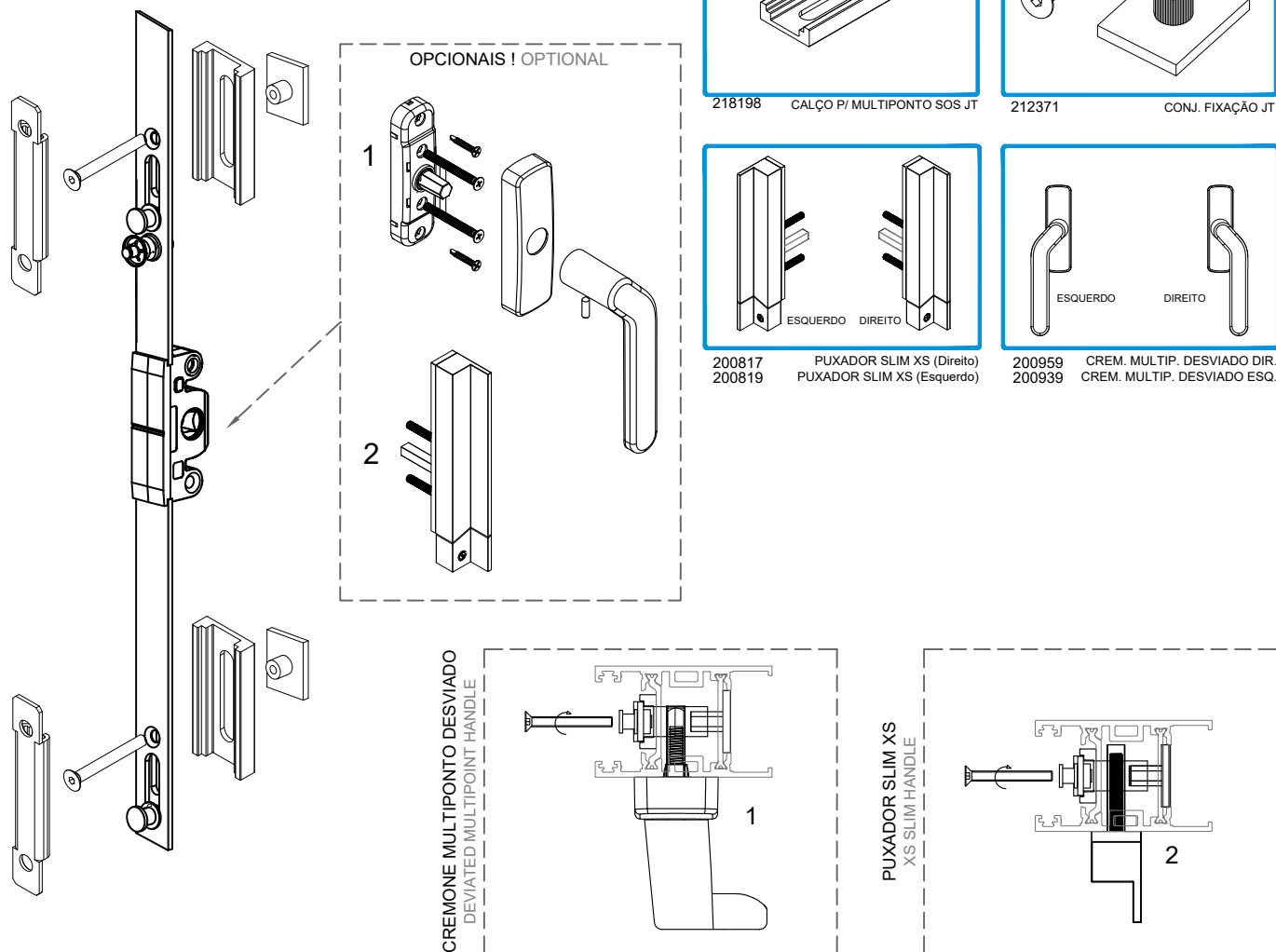
### MOBILE FRAMES PROFILES ASSEMBLY

#### 8 - Ferragem Multiponto SOS.

SOS Multipoint Hardware.

##### 8.1 - Esquema de aplicação da Ferragem Multiponto SOS.

SOS Multipoint Hardware application scheme.



##### 8.2 - Altura do furo do cremone no perfil lateral

Handle's hole height in the side profile

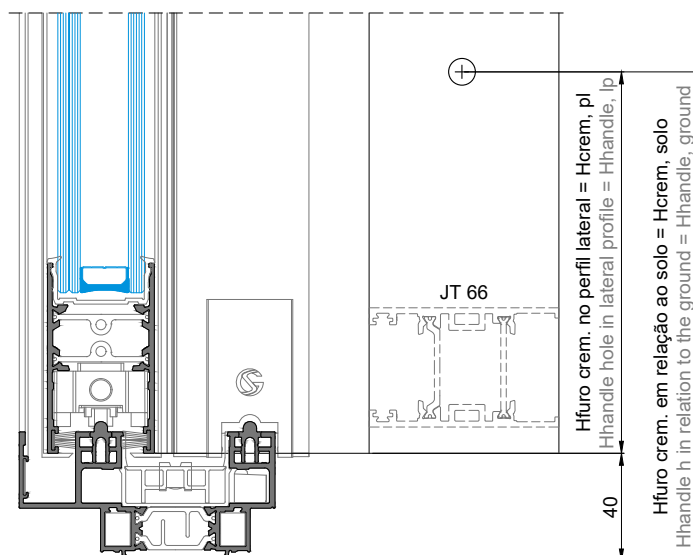
**Hcrem, pl = Hcrem, solo - 40mm**

**Hhandle, lp = Hhandle, ground - 40mm**

#### Exemplo | Example:

Para colocação de um cremone a 1000mm relativamente ao solo, o furo deverá ser feito no perfil lateral a uma altura de  $1000 - 40 = 960\text{mm}$ .

To place a handle at 1000mm in relation to the ground, the hole must be done at  $1000 - 40 = 960\text{mm}$  height in the lateral profile.





## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

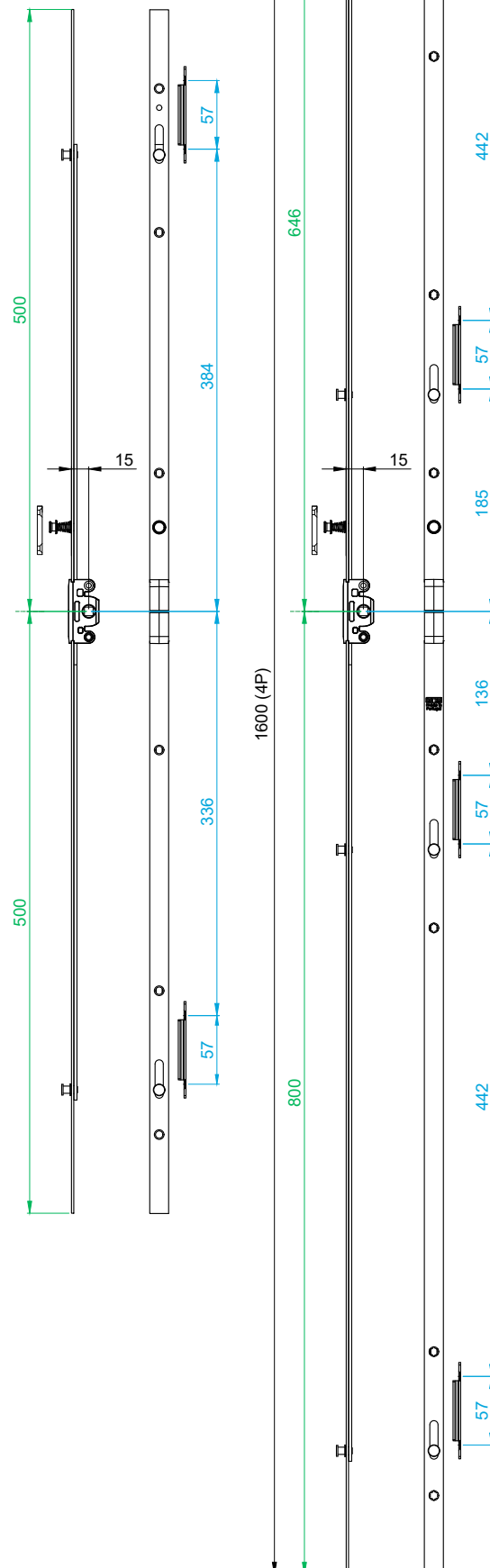
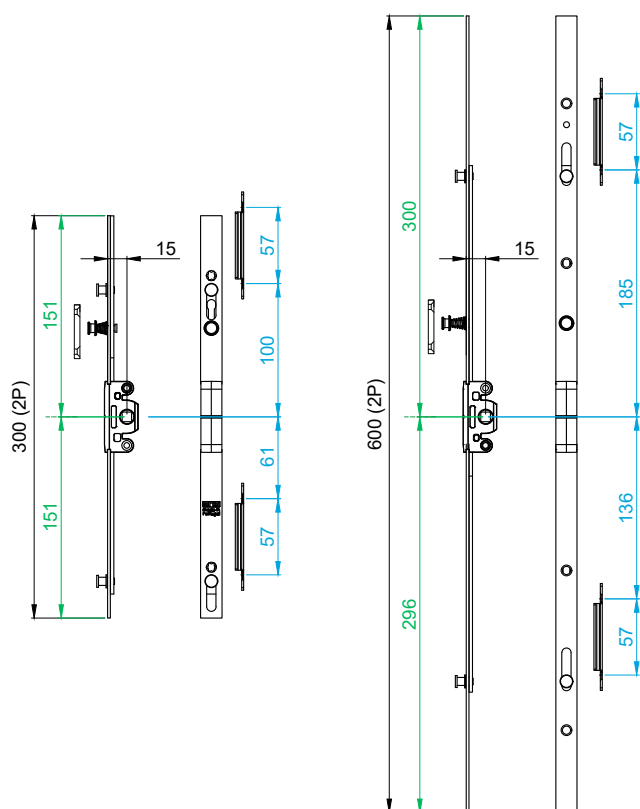
## MOBILE FRAMES PROFILES ASSEMBLY

## 8 - Ferragem Multiponto SOS.

SOS Multipoint Hardware.

## 8.4 - Medidas das ferragens MULT. anti-falsa manobra e posição dos contra-fechos.

Multipoint anti-counterfeit hardware measures and position of locking plates.

ACESSÓRIOS A CONSIDERAR POR FERR. MULTIP. SOS:  
ACCESSORIES TO CONSIDER BY SOS MULTIPOINT HARDWARE:

|                                                             | 300 (2P) | 600 (2P) | 1000 (2P) | 1600 (4P) |
|-------------------------------------------------------------|----------|----------|-----------|-----------|
| CALÇOS DE APOIO<br>SUPPORT SHIMS                            | 2        | 4        | 6         | 8         |
| CONJ. FIXAÇÃO FERR. MULTIP.<br>MULTIPOINT HARDWARE FIX. KIT | 2        | 4        | 6         | 8         |
| ACESSÓRIOS P/ CONTRA-FECHO<br>LOCKING PLATE ACCESSORIES     | 2        | 2        | 2         | 4         |

- TAMANHO MULTIPONTO  
MULTIPOINT MEASURE
- MEDIDAS INFERIOR E SUPERIOR DA FERRAGEM  
LOWER AND UPPER HARDWARE MEASURES
- POSIÇÃO DOS CONTRA FECHOS  
LOCKING PLATE POSITION

## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

### MOBILE FRAMES PROFILES ASSEMBLY

#### 8 - Ferragem Multiponto SOS.

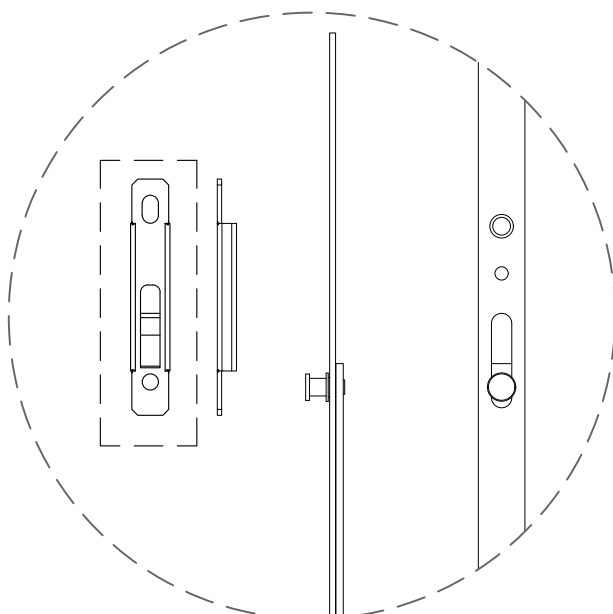
SOS Multipoint Hardware.

#### 8.5 - Características dos pontos de fecho e batente anti-falsa manobra.

Locking points and anti-false maneuver stopper characteristics.

##### PONTO DE FECHO SUPERIOR

TOP LOCKING POINT



##### CONTRA-FECHO COM FUNÇÃO ANTI-LEVANTAMENTO

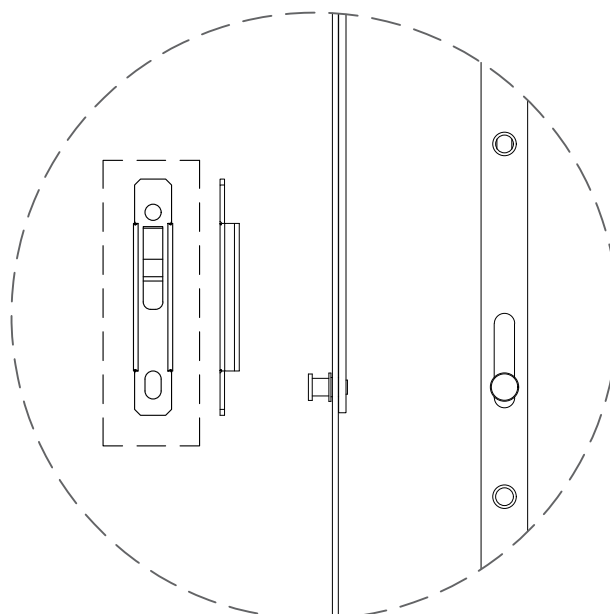
(Rampa na zona inferior do contra-fecho)

LOCKING PLATE WITH ANTI-LEAF FUNCTION

(Ramp in the lower zone of the locking plate)

##### PONTO DE FECHO CENTRAL OU INFERIOR

CENTRAL OR BOTTOM LOCKING POINT



##### CONTRA-FECHOS SEM FUNÇÃO DE ANTI-LEVANTAMENTO

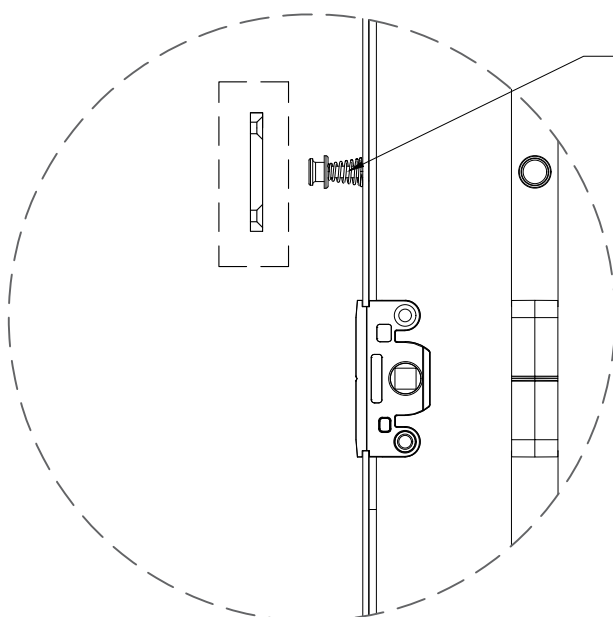
(Rampas nas zonas superiores dos contra-fechos)

LOCKING PLATE WITHOUT ANTI-LEAF FUNCTION

(Ramps in the lower zones of the locking plate)

##### JUNTO AO BATENTE DE ANTI-FALSA MANOBRA

AT THE ANTI-FALSE MANEUVER STOPPER

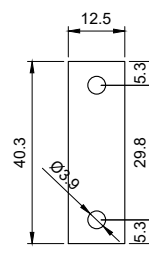


Anti-falsa manobra de extração simples com a utilização de um alicate.  
Evita-se duplicação de stock.

Simple extraction anti-false maneuver with the use of a pliers.  
It avoids duplication of stock.

##### BATENTE DE ANTI-FALSA MANOBRA

ANTI-FALSE MANEUVER STOPPER



Material: PVC Rígido  
Material: Rigid PVC

Acabamento: Preto  
Finishing: Black

Fixar com paraf. DIN 7991 auto-roscante M4  
Secure with DIN 7991 self-tapping screws M4

##### APLICAÇÃO DO BATENTE P/ MECANISMO ANTI-FALSA MANOBRA

(Este acessório é entregue em conjunto com a ferragem e deverá ser aplicado no aro fixo para evitar danos nos perfis aquando do fecho da folha móvel)

STOPPER APPLICATION FOR ANTI-FALSE MANEUVERING MECHANISM

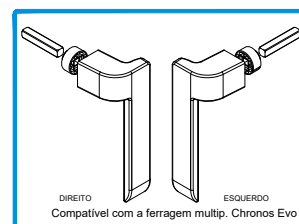
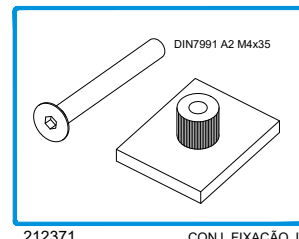
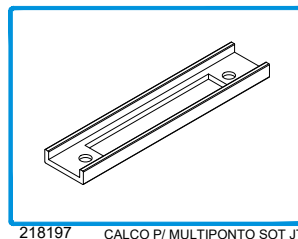
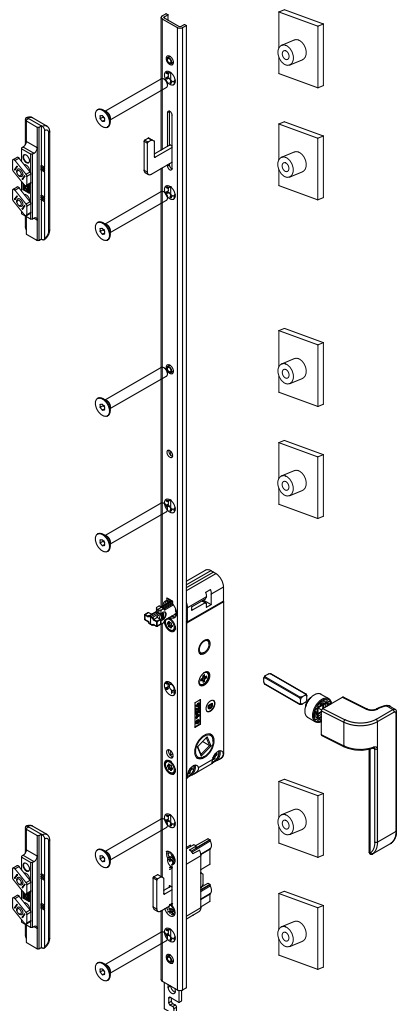
(This accessory is always delivered with the hardware and should be applied in the fixed frame in order to prevent damage the profiles when closing the mobile leaf)

## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

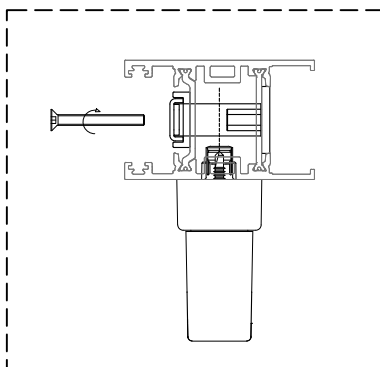
### MOBILE FRAMES PROFILES ASSEMBLY

#### 9 - Ferragem Multiponto SOT. SOT Multipoint Hardware.

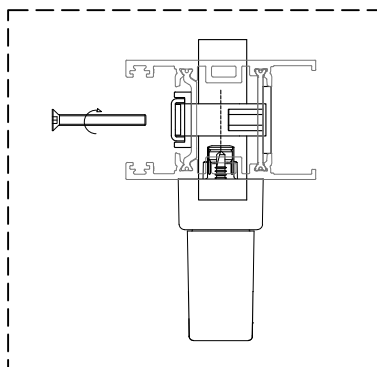
##### 9.1 - Esquema de aplicação da ferragem multiponto SOT. SOT Multipoint Hardware application scheme.



ESQUEMA FER. MULTIPONTO S/ CILINDRO  
MULTIPOINT HARDWARE SCHEME WITHOUT CYLINDER



ESQUEMA FER. MULTIPONTO C/ CILINDRO  
MULTIPOINT HARDWARE SCHEME WITH CYLINDER



##### 9.2 - Altura do furo do cremone no perfil lateral. Handle's hole height in the side profile.

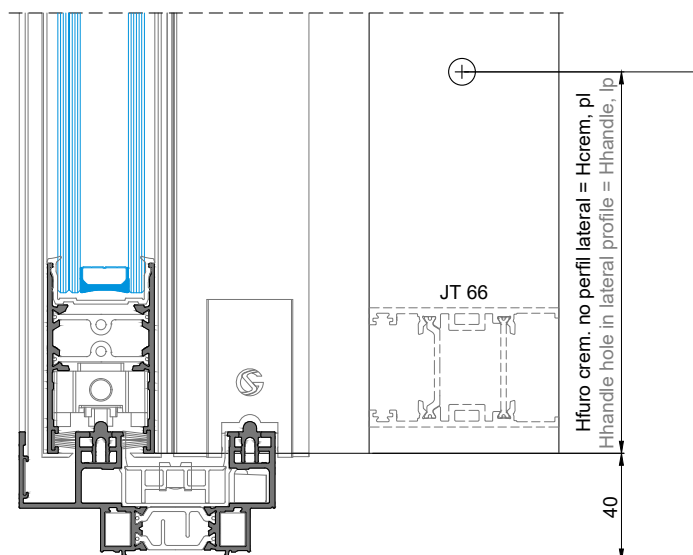
$$H_{\text{crem, pl}} = H_{\text{crem, solo}} - 40\text{mm}$$

$$H_{\text{handle, lp}} = H_{\text{handle, ground}} - 40\text{mm}$$

#### Exemplo | Example:

Para colocação de um cremone a 1000mm relativamente ao solo, o furo deverá ser feito no perfil lateral a uma altura de  $1000 - 40 = 960\text{mm}$ .

To place a handle at 1000mm in relation to the ground, the hole must be done at  $1000 - 40 = 960\text{mm}$  height in the lateral profile.



Hfuro crem. em relação ao solo = Hhandle, lp  
Handle hole in relation to the ground = Hhandle, lp



## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

### MOBILE FRAMES PROFILES ASSEMBLY

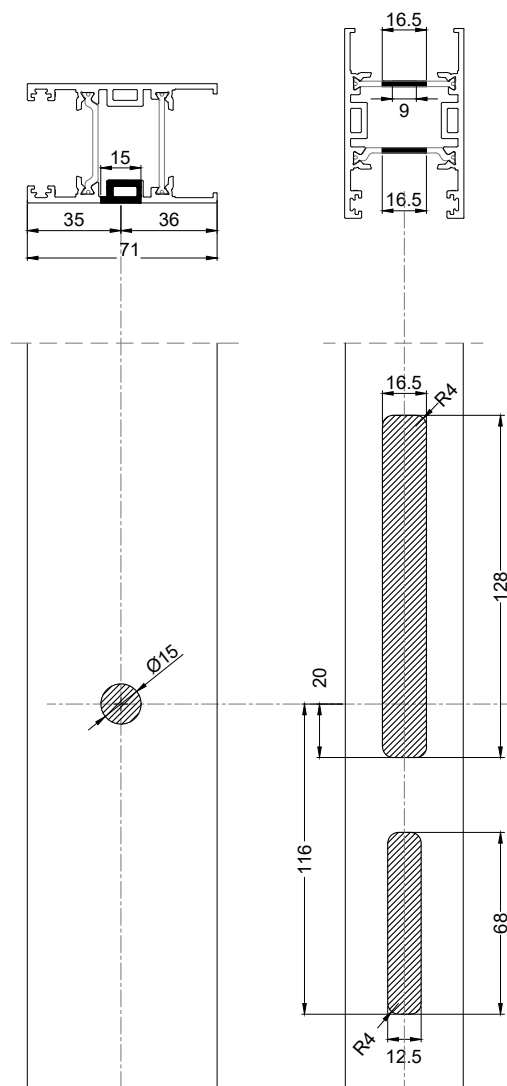
#### 9 - Ferragem Multiponto SOT.

SOT Multipoint Hardware.

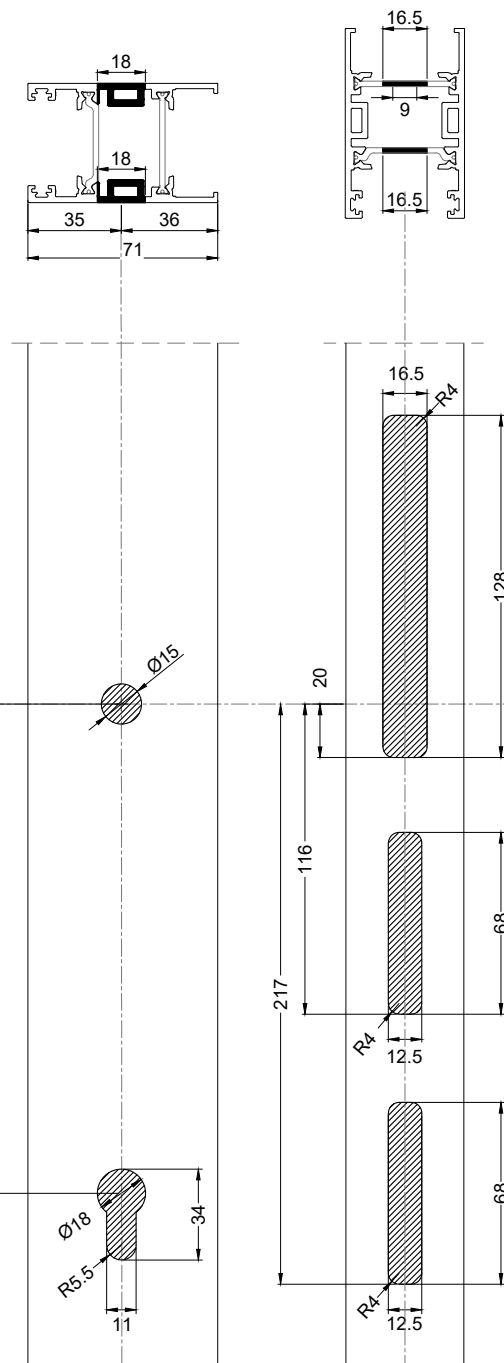
#### 9.3 -Maquinação para cremone e ferragem multiponto SOT.

Handle and SOS Multipoint Hardware machining.

FERRAGEM 2P OU 3P SEM CILINDRO  
2P OR 3P HARDWARE WITHOUT CYLINDER



FERRAGEM 3P COM CILINDRO  
3P HARDWARE WITH CYLINDER



## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

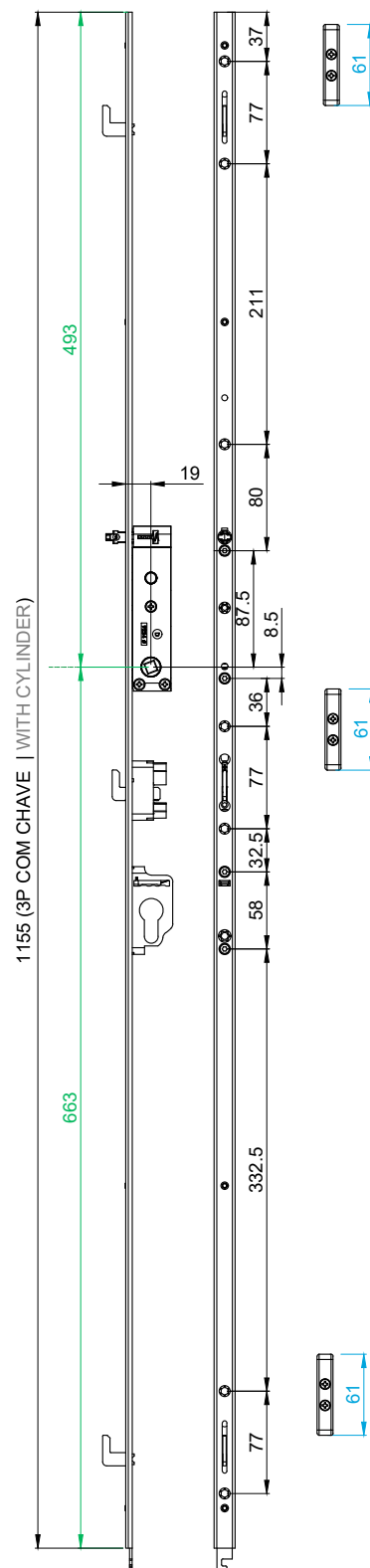
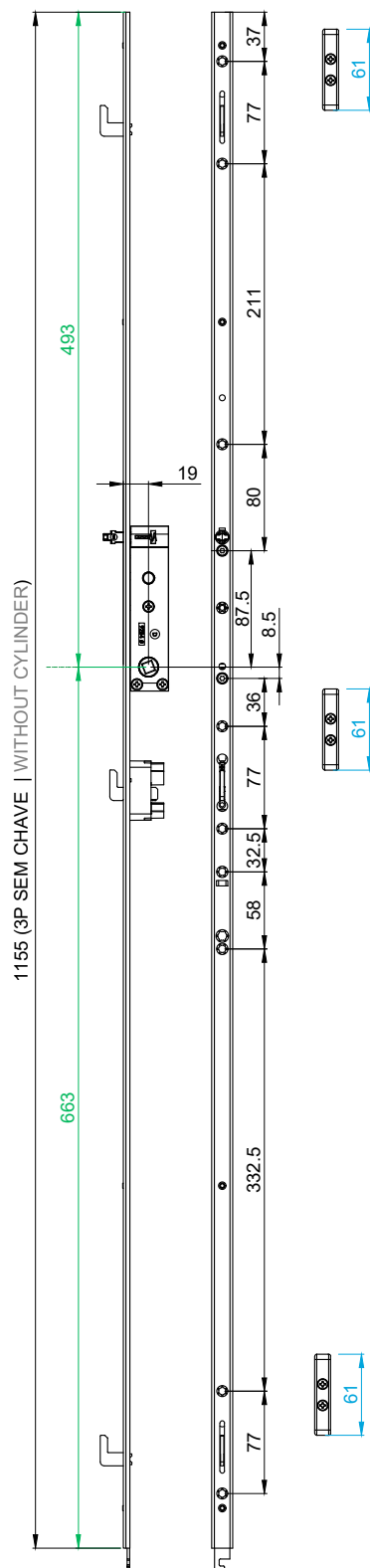
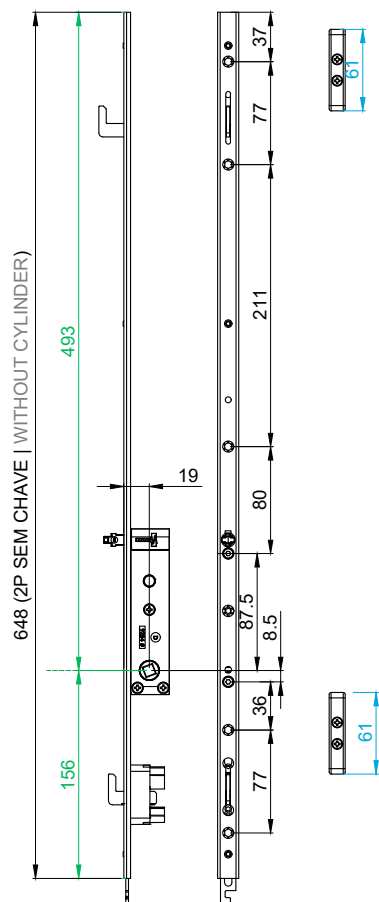
## MOBILE FRAMES PROFILES ASSEMBLY

## 9 - Ferragem Multiponto SOT.

SOT Multipoint Hardware.

## 9.4 - Medidas das ferragens multiponto SOT.

SOT Multipoint hardware measures.

ACESSÓRIOS A CONSIDERAR POR FERR. MULTIP. SOT:  
ACCESSORIES TO CONSIDER BY SOT MULTIPOINT HARDWARE:

|                                                             | 2P<br>S/ CILINDRO<br>WITHOUT<br>CYLINDER | 3P<br>S/ CILINDRO<br>WITHOUT<br>CYLINDER | 3P<br>C/ CILINDRO<br>WITH<br>CYLINDER |
|-------------------------------------------------------------|------------------------------------------|------------------------------------------|---------------------------------------|
| CALÇOS DE APOIO<br>SUPPORT SHIMS                            | 3                                        | 6                                        | 5                                     |
| CONJ. FIXAÇÃO FERR. MULTIP.<br>MULTIPOINT HARDWARE FIX. KIT | 5                                        | 10                                       | 10                                    |

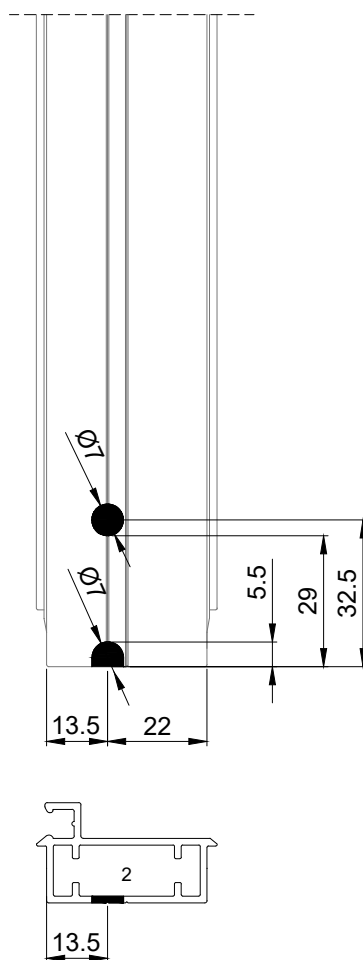
- TAMANHO MULTIPONTO  
MULTIPOINT MEASURE
- MEDIDAS INFERIOR E SUPERIOR DA FERRAGEM  
LOWER AND UPPER HARDWARE MEASURES
- MEDIDA DOS CONTRA FECHOS  
LOCKING PLATE MEASURE

## MAQUINAÇÃO DOS PERFIS ARO MÓVEL

### MOBILE FRAME PROFILES MACHINING

#### 10 - Maquinação do perfil JT47

JT47 profile machining.



JT 47

**MONTAGEM DE AROS MÓVEIS**  
MOBILE FRAMES ASSEMBLY

## MONTAGEM DE AROS MÓVEIS

### MOBILE FRAMES ASSEMBLY

#### 1 - Medidas de corte para juntas de vidro U.

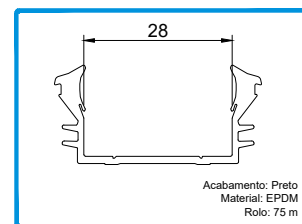
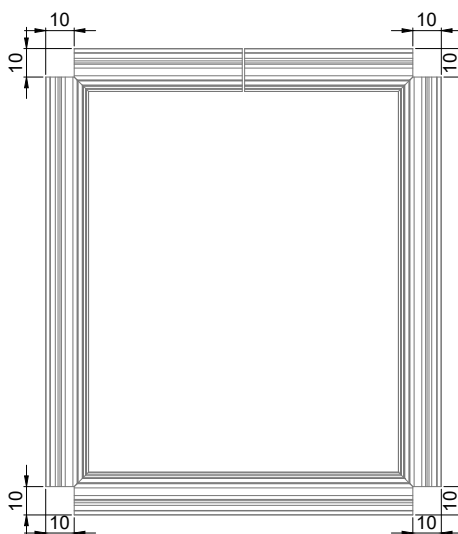
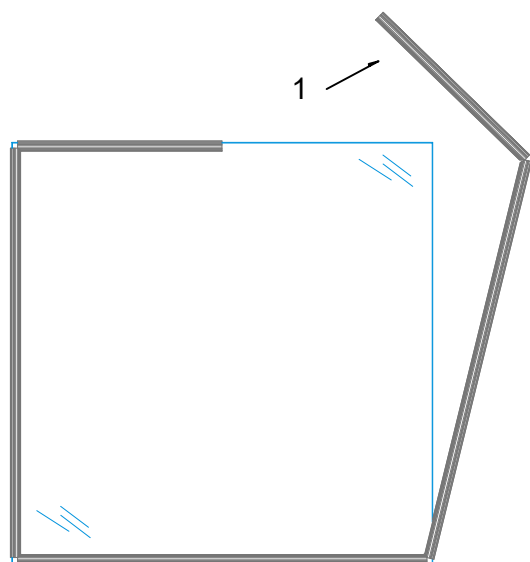
U Glazing gasket cutting measures.

As operações a efetuar na junta deverão ser feitas com esta já aplicada no vidro, mas antes de se colocarem os perfis de alumínio.

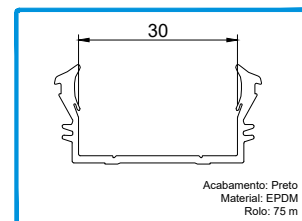
The operations to be carried out on the joint must be done with it already applied in the glass, but before placing the aluminum profiles.

##### 1.1 - Corte dos cantos da junta U.

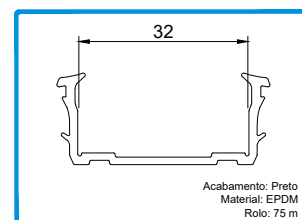
U glazing gasket corners cutting.



208477 JUNTA VIDRO U 1028 CX 28MM JT



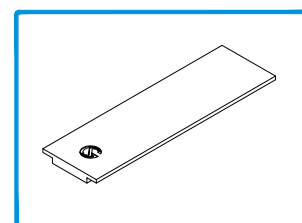
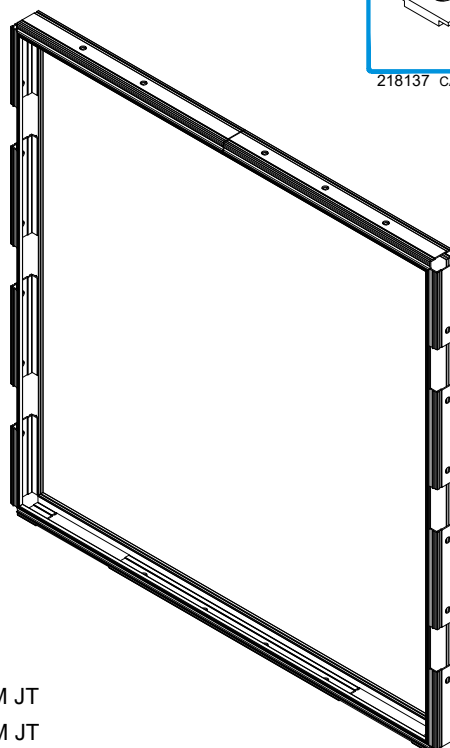
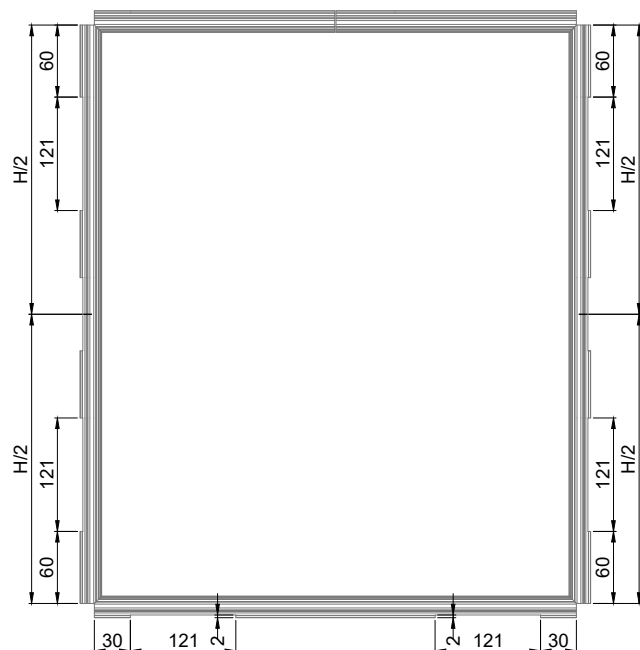
208478 JUNTA VIDRO U 1030 CX 30MM JT



208099 JUNTA VIDRO U 1032 CX 32MM JT

##### 1.2 - Corte da junta U para colocação de calços de apoio.

U glazing gasket cutting for placing the shims supports.



218137 CALÇO REFORÇO HORIZONTAL JT

- 1 - REF 208477: JUNTA VIDRO | GLAZING GASKET U 1028 CX 28MM JT  
ou | or  
REF 208478: JUNTA VIDRO | GLAZING GASKET U 1030 CX 30MM JT  
ou | or  
REF 208099: JUNTA VIDRO | GLAZING GASKET U 1032 CX 32MM JT

## MONTAGEM DE AROS MÓVEIS

### MOBILE FRAMES ASSEMBLY

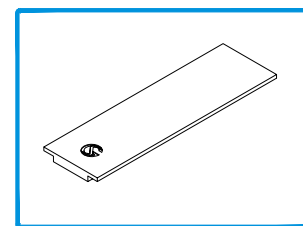
#### 2 - Aplicação dos calços de apoio.

Support shims application.

##### 2.1 - Aplicar silicone nos cantos.

Apply silicone in the corners.

SILICONE NEUTRO  
NEUTRAL SILICONE

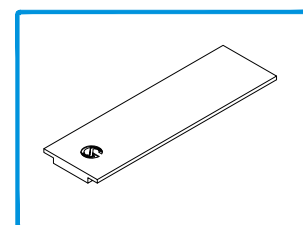


218137 CALÇO REFORÇO HORIZONTAL JT

##### 2.2 - Colocar cola nos calços de suporte antes de fixá-los ao vidro.

Put glue on the support shims before fixing them to the glass.

COLA  
GLUE



218137 CALÇO REFORÇO HORIZONTAL JT

2 - REF 218137: CALÇO REFORÇO HORIZONTAL | SUPPORT SHIM JT

## MONTAGEM DE AROS MÓVEIS

### MOBILE FRAMES ASSEMBLY

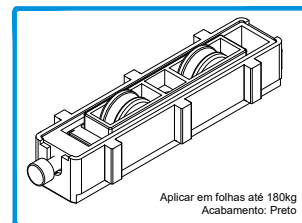
#### 3 - Colocação dos carrinhos nas travessas inferiores.

Rollers placement on the bottom transoms.

#### IMPORTANTE | IMPORTANT:

Os carrinhos devem ser aplicados nas travessas inferiores antes de fechar as esquadrias do aro móvel.

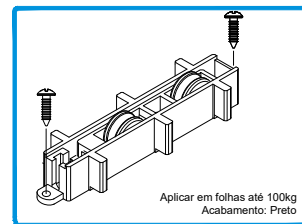
The rollers must be applied on the lower transoms before closing the frames of the mobile frame.



205129

Aplicar em folhas até 180kg  
Acabamento: Preto

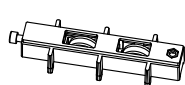
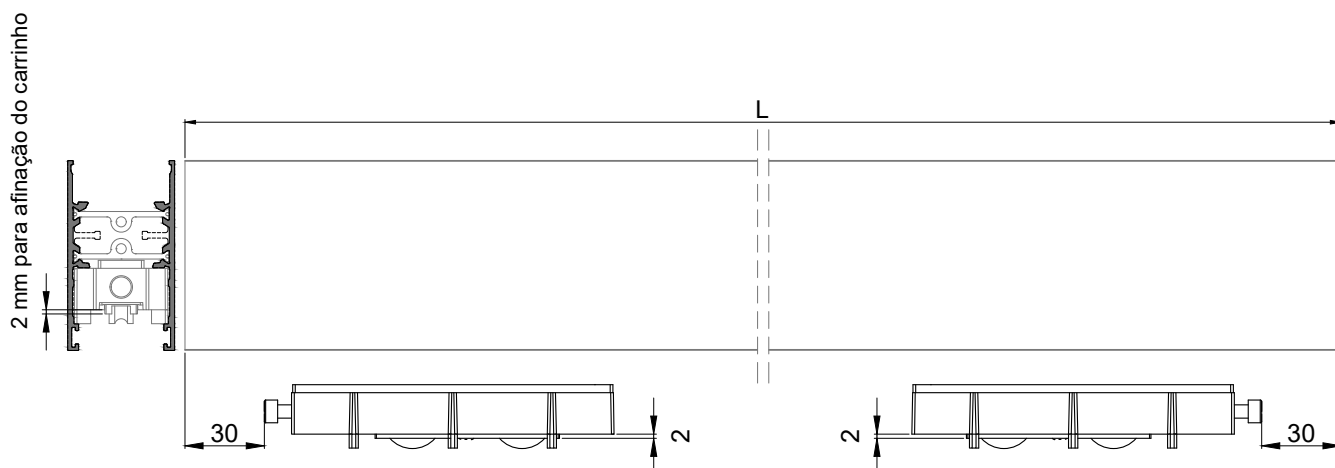
CARRINHO JT 180KG



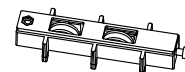
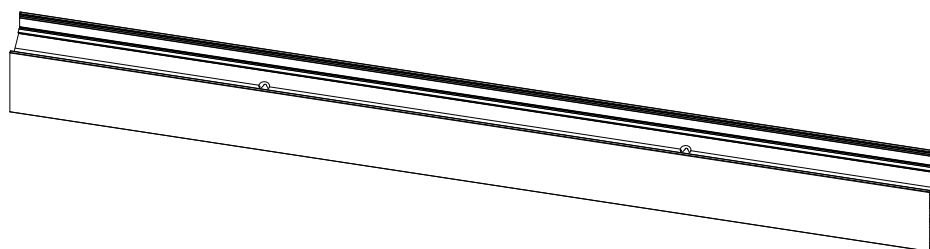
205108

Aplicar em folhas até 100kg  
Acabamento: Preto

CARRINHO JT 100KG



3



3

3 - REF 205129: CARRINHO | ROLLING BEARING JT 180KG  
ou | or  
REF 205108: CARRINHO | ROLLING BEARING JT 100KG

## MONTAGEM DE AROS MÓVEIS

### MOBILE FRAMES ASSEMBLY

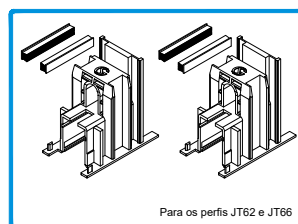
#### 4 - Montagem e fixação do aro móvel.

Mobile frame assembling and fixing.

#### IMPORTANTE | IMPORTANT:

Aplicar silicone nas zonas de sobreposição dos perfis móveis verticais/horizontais e nos topos de fixação.

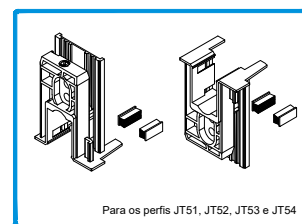
Apply silicone in the overlapping areas of the vertical/horizontal mobile profiles and in the fixing end-caps.



212199

Para os perfis JT62 e JT66

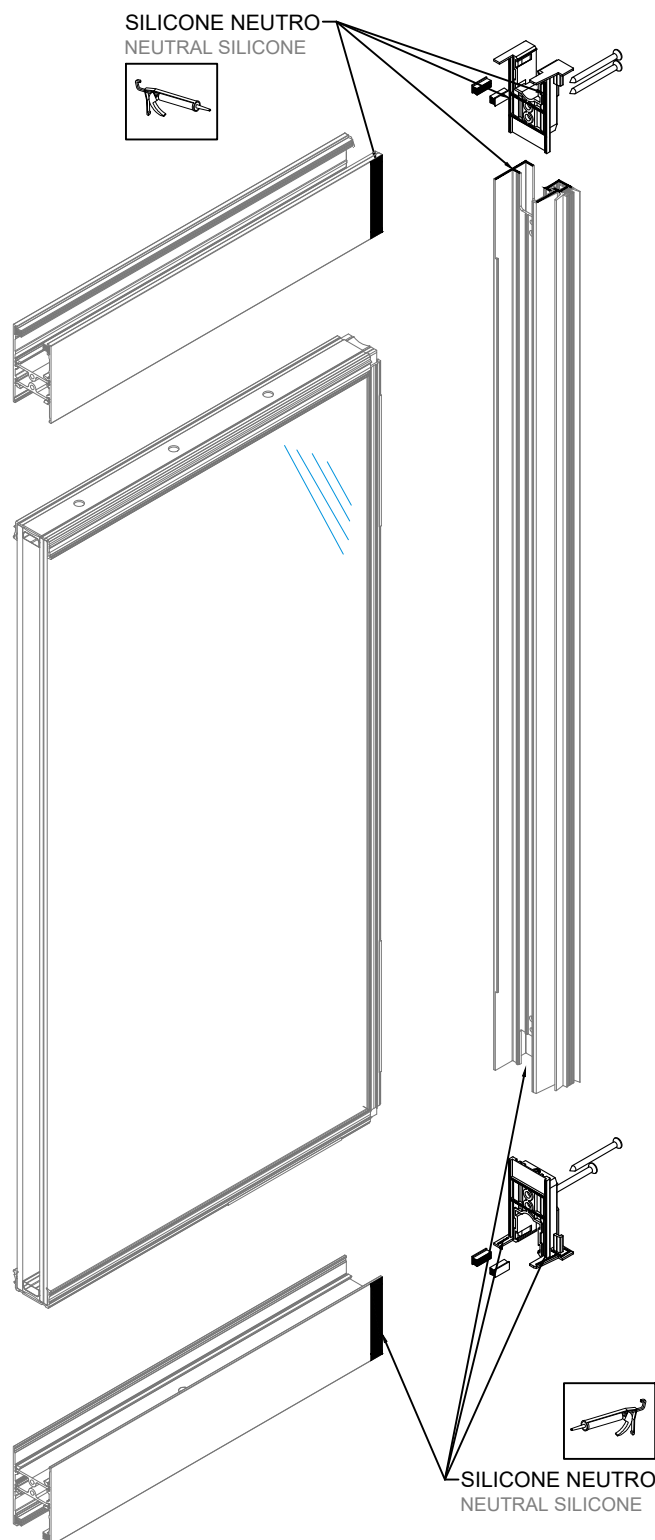
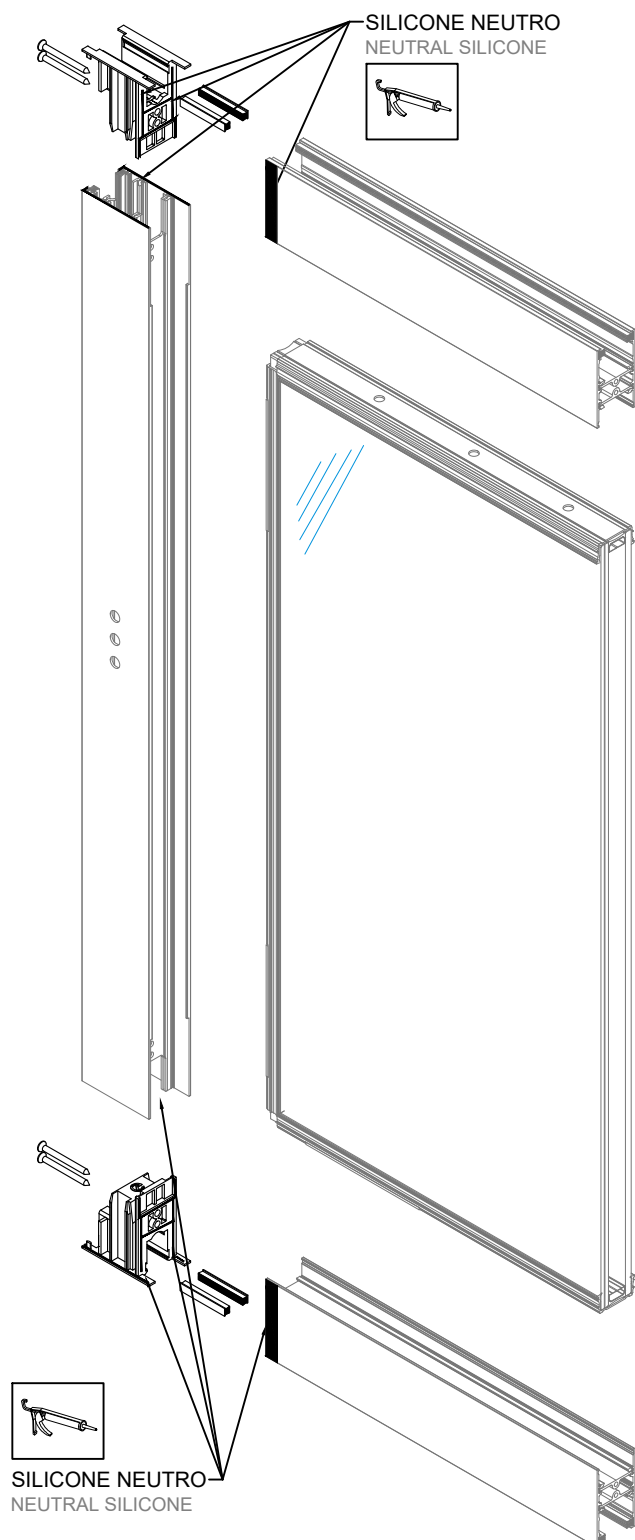
CONJ. TOPOS LAT. JT



212231

Para os perfis JT51, JT52, JT53 e JT54

CONJ. TOPOS CENTRAIS JT





## MONTAGEM DE AROS MÓVEIS

### MOBILE FRAMES ASSEMBLY

#### 4 - Montagem e fixação do aro móvel.

Mobile frame assembling and fixing.

##### 4.1 -Etapas de montagem.

Assembly steps.

##### Passo | Step 1:

Colocar as travessas

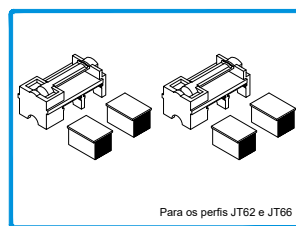
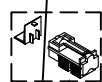
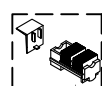
inferior e superior no vidro

Place the upper and lower transoms on the glass

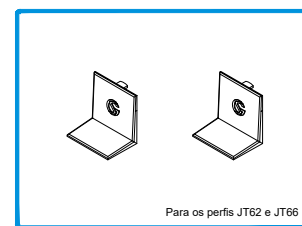
##### Passo | Step 2:

Colocar o perfil lateral juntamente com os topos e encaixar nas travessas

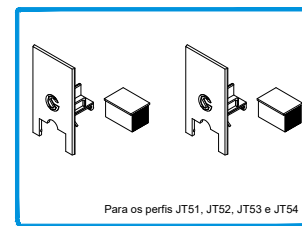
Place the lateral profile together with the end-caps and fit it on the transoms



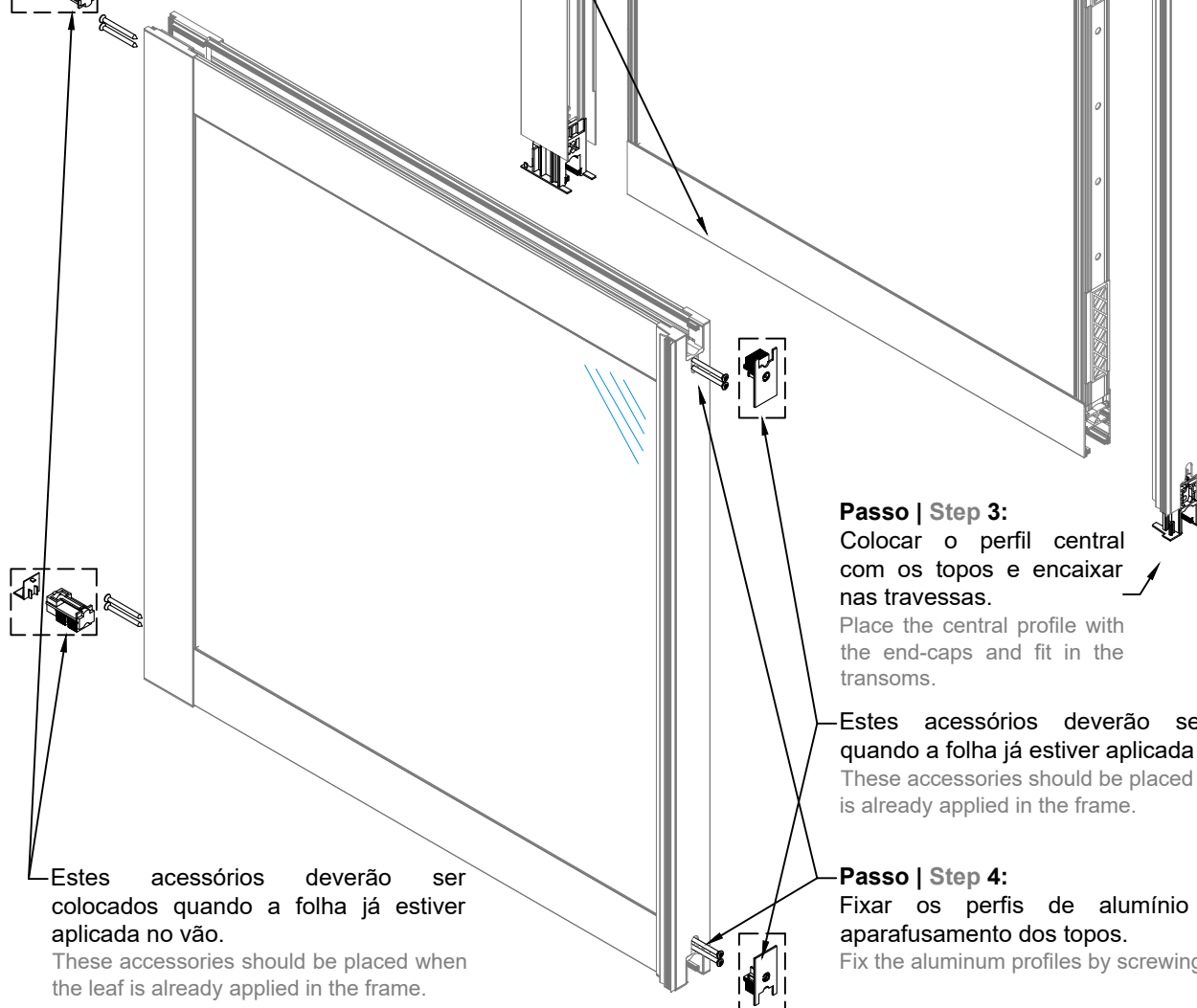
212230 CONJ. TOPOS INTERIORES LAT. JT



212201 CONJ. TAMPAS TOPOS LAT. JT



212339 CONJ. TAMPAS TOPOS CENTRAIS JT



##### Passo | Step 3:

Colocar o perfil central com os topos e encaixar nas travessas.

Place the central profile with the end-caps and fit in the transoms.

Estes acessórios deverão ser colocados quando a folha já estiver aplicada no vão.

These accessories should be placed when the leaf is already applied in the frame.

##### Passo | Step 4:

Fixar os perfis de alumínio através do aparafusamento dos topos.

Fix the aluminum profiles by screwing the end-caps.

Estes acessórios deverão ser colocados quando a folha já estiver aplicada no vão.

These accessories should be placed when the leaf is already applied in the frame.

## MONTAGEM DE AROS MÓVEIS

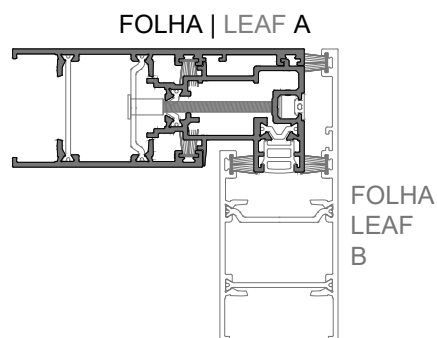
### MOBILE FRAMES ASSEMBLY

#### 5 - Montagem de tipologia de canto 90° - **FOLHA A.**

Assembly of 90° corner typology - **A LEAF.**

##### 5.1 - Fixar o perfil JT72 ao perfil JT62.

Fix the JT72 and JT62 profiles.

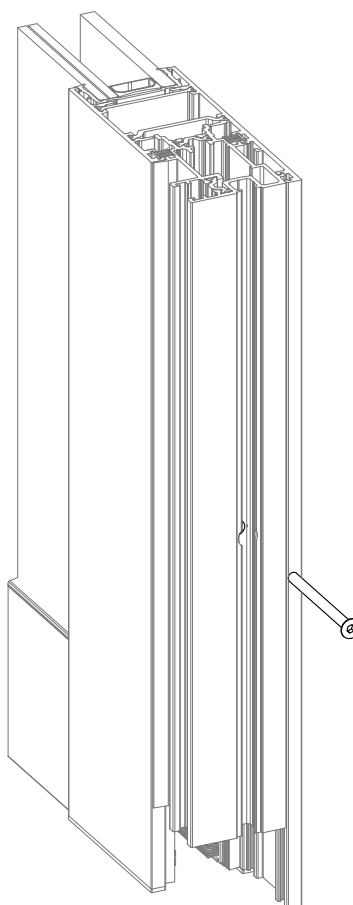
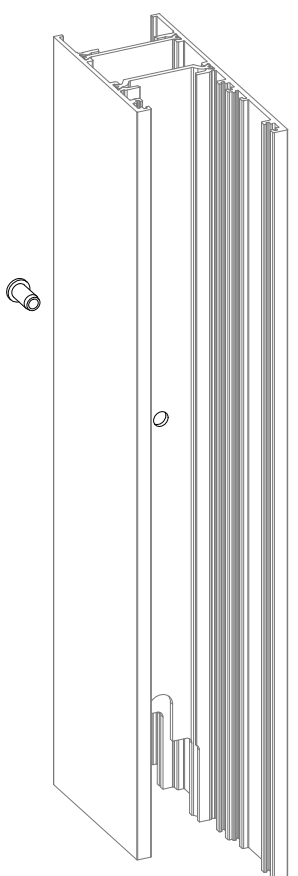
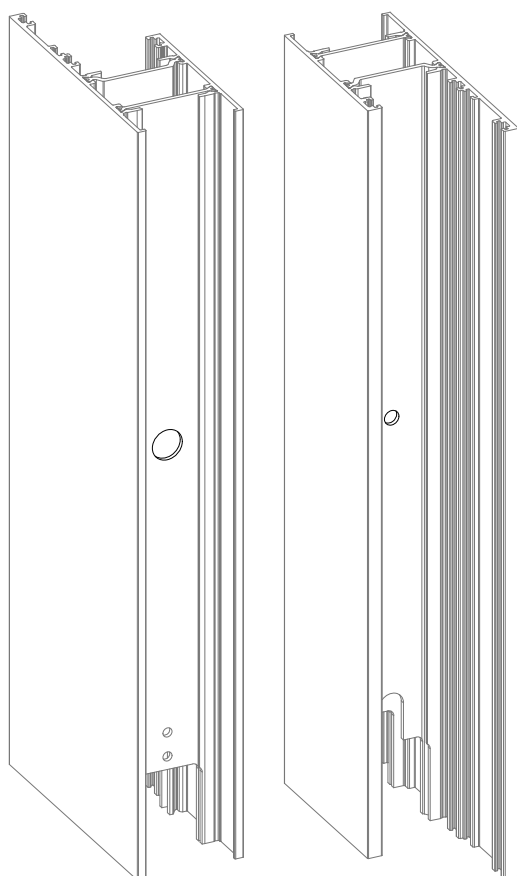
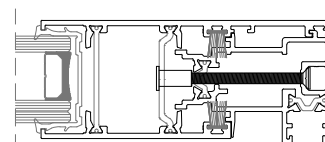
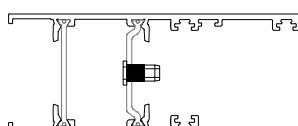
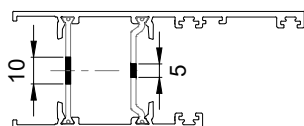
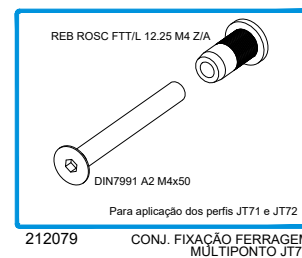


Colocar os rebites antes de se fazer o fecho das esquadrias da folha móvel.

**Utilizar no mínimo 4 conjuntos para fixação do perfil JT72.**

Place the rivets before closing the frames of the mobile leaf.

**Use at least 4 sets for fixing the JT72 profile.**



## MONTAGEM DE AROS MÓVEIS

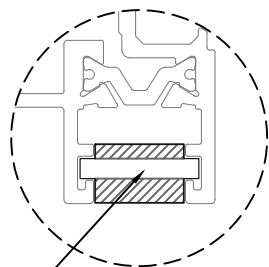
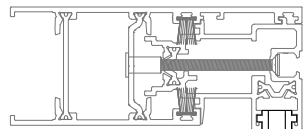
### MOBILE FRAMES ASSEMBLY

#### 5 - Montagem de tipologia de canto 90° - **FOLHA A.**

Assembly of 90° corner typology - **A LEAF.**

#### 5.2 - Colocar os calços para contra-fecho antes de se pôr a folha no vão.

Place the locking plate shims before placing the leaf in the frame.

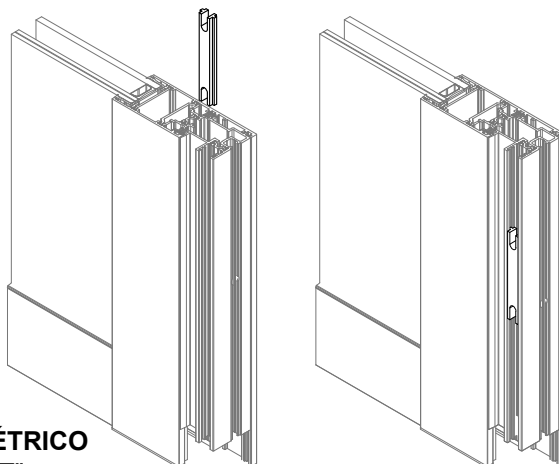


#### **CALÇO NÃO SIMÉTRICO**

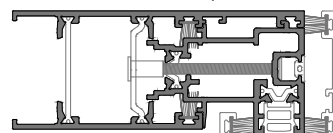
(A referência "EXT" e o logotipo deverão ficar para a frente de forma a alinhar com o alumínio)

#### **NOT SYMMETRICAL SHIM**

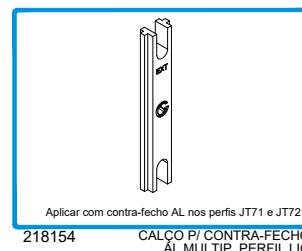
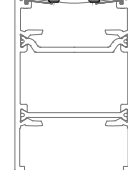
(The "EXT" reference and the logo must stand in the front in alignment with the aluminum)



#### FOLHA | LEAF A



#### FOLHA LEAF B



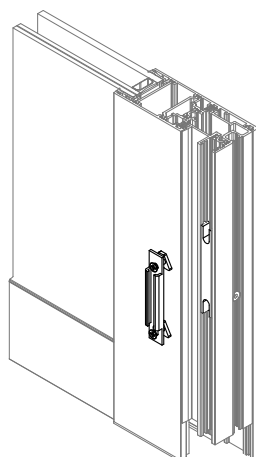
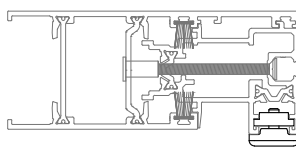
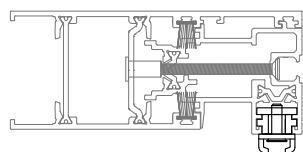
Aplicar com contra-fecho AL nos perfis JT71 e JT72  
218154 CALÇO P/ CONTRA-FECHO  
AL MULTIP. PERFIL LIG

**Este passo só se efetua quando se usa a ferragem multiponto SOS.**

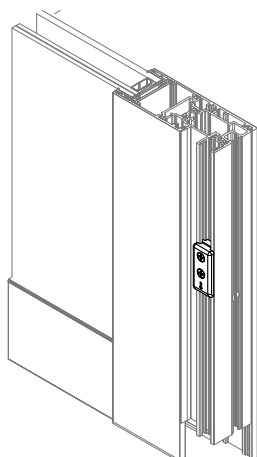
**This step is only performed when using SOS multipoint hardware.**

#### 5.3 - Colocar os contra-fechos na posição final.

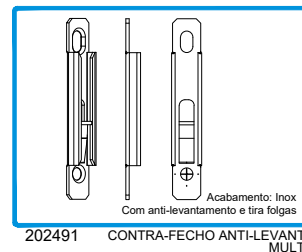
Place the locking plate in its final position.



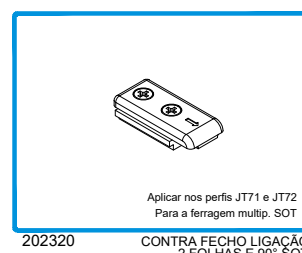
**FERRAGEM MULTIPONTO  
MULTIPOINT HARDWARE  
SOS**



**FERRAGEM MULTIPONTO  
MULTIPOINT HARDWARE  
SOT**



Acabamento: Inox  
Com anti-levantamento e tira folgas  
202491 CONTRA-FECHO ANTI-LEVANT.  
MULT.



202320 CONTRA FECHO LIGAÇÃO  
2 FOLHAS E 90° SOT

## MONTAGEM DE AROS MÓVEIS

### MOBILE FRAMES ASSEMBLY

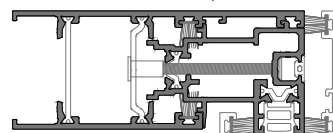
#### 5 - Montagem de tipologia de canto 90° - **FOLHA A.**

Assembly of 90° corner typology - **A LEAF.**

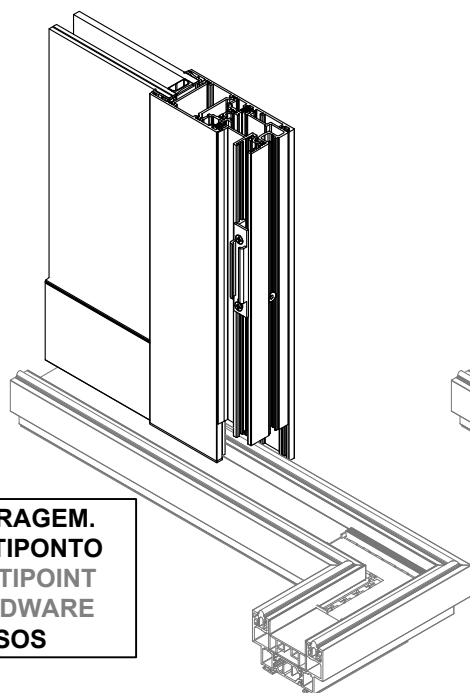
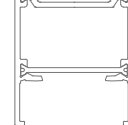
##### 5.4 - Colocar a folha no vão.

Place the leaf in the frame.

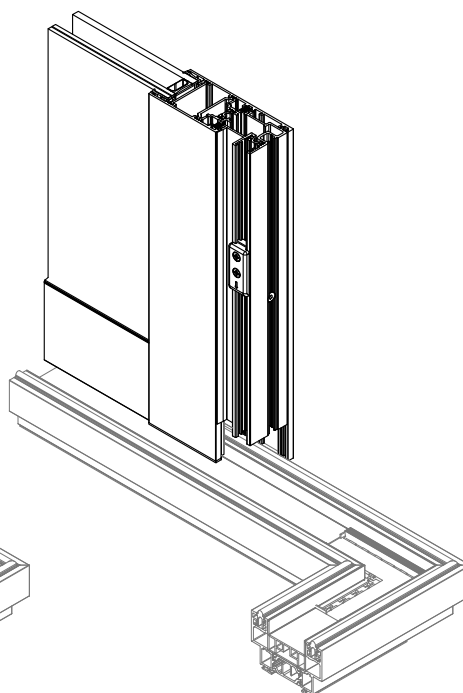
FOLHA | LEAF A



FOLHA  
LEAF B



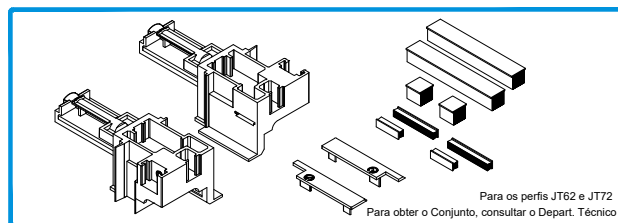
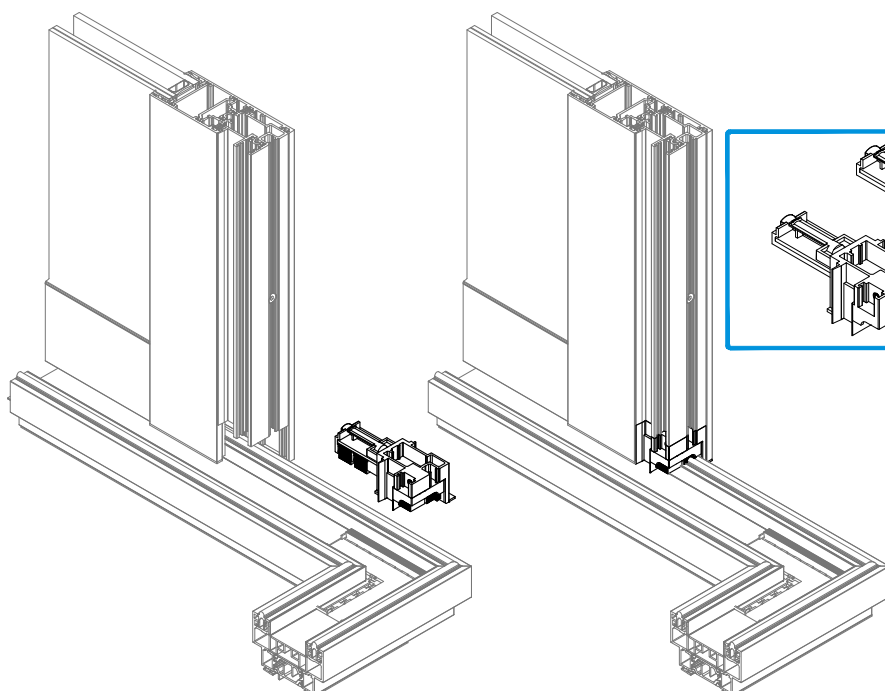
**FERRAGEM.  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOS**



**FERRAGEM  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOT**

##### 5.5 - Colocar o conjunto topos canto 90° JT.

Place the 90° corner end-caps kit.



Para os perfis JT62 e JT72  
Para obter o Conjunto, consultar o Depart. Técnico

CONJ. TOPOS CANTO 90° JT

## MONTAGEM DE AROS MÓVEIS

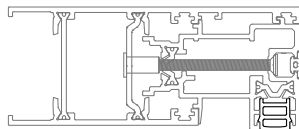
### MOBILE FRAMES ASSEMBLY

#### 5 - Montagem de tipologia de canto 90° - **FOLHA A.**

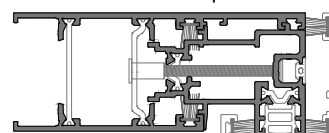
Assembly of 90° corner typology - **A LEAF.**

#### 5.6 - Colocar a junta tapa canal perfil lig. 2117 JT.

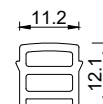
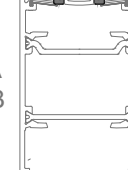
Place the 2117 channel cover joint.



FOLHA | LEAF A



FOLHA  
LEAF B



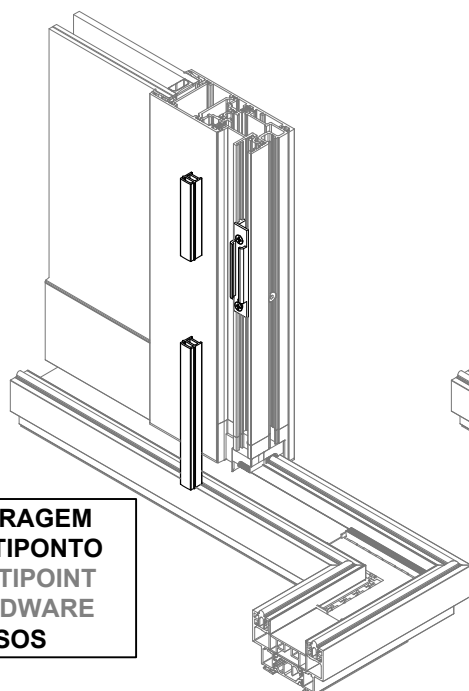
Para os perfis JT71 e JT72  
Acabamento: Preto  
Material: EPDM  
Rolo: 100 m

208479

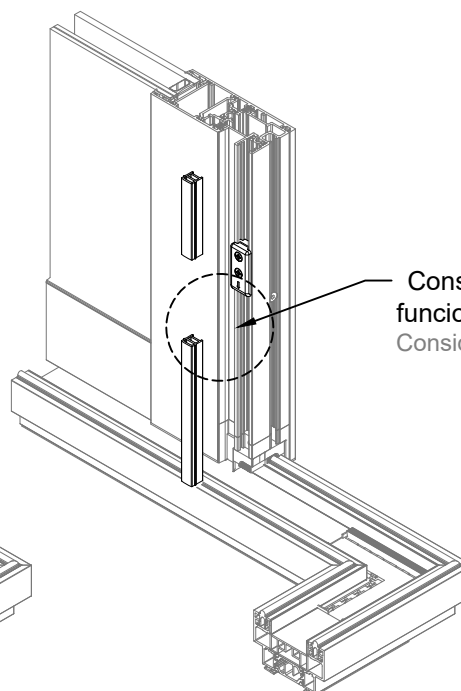
JUNTA TAPA CANAL 2117 JT

Considerar uma folga para permitir o funcionamento do gancho da ferragem  
Consider a gap to allow the function of the hook of the hardware

**FERRAGEM  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOS**

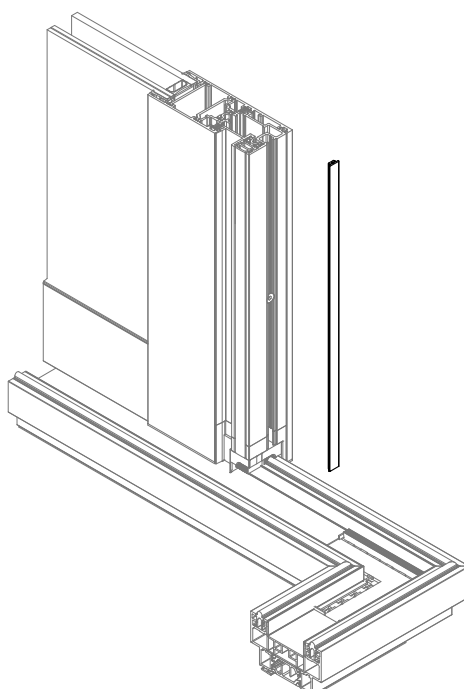
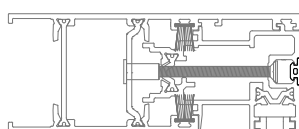


**FERRAGEM  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOT**



#### 5.7 - Colocar a junta VD 2415.

Place the 2415 joint.



## MONTAGEM DE AROS MÓVEIS

### MOBILE FRAMES ASSEMBLY

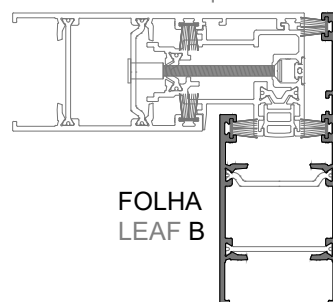
#### 6 - Montagem de tipologia de canto 90° - **FOLHA B.**

Assembly of 90° corner typology - **B LEAF.**

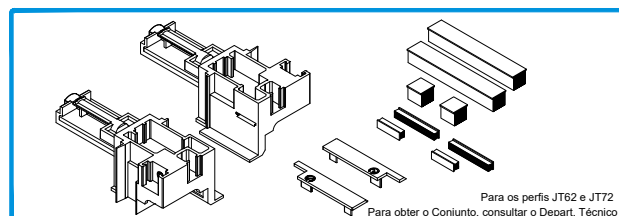
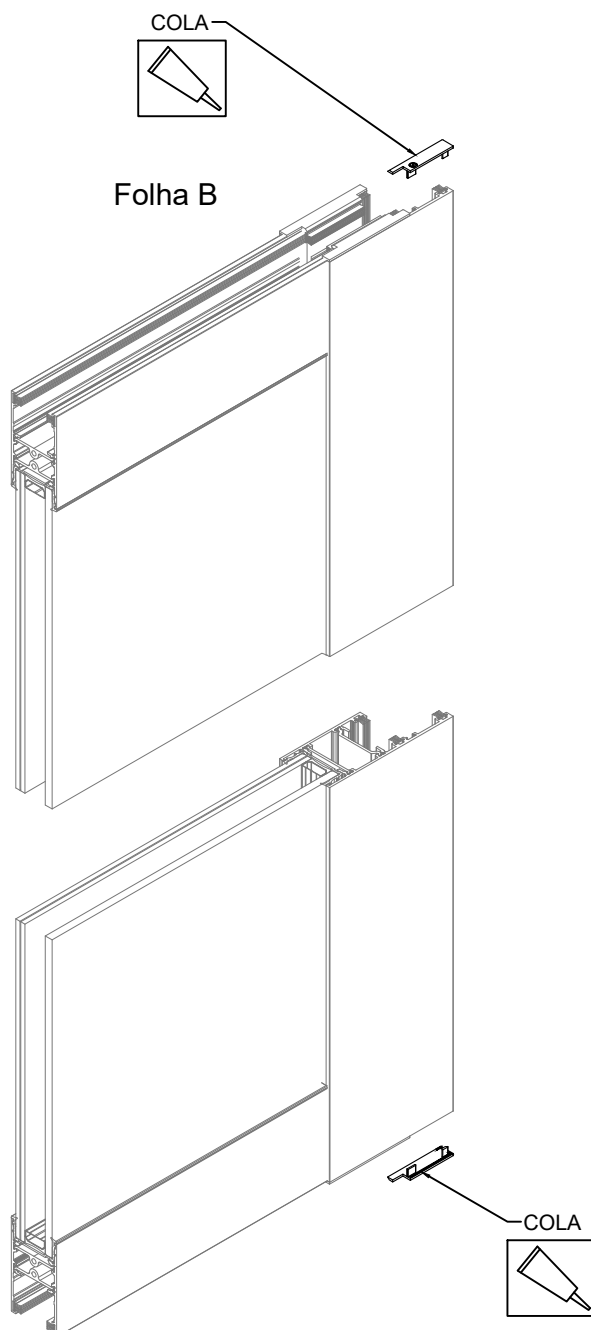
##### 6.1 - Colocar e fixar o conjunto de topos complementares JT62.

Place and secure the JT62 complementary end cap kit.

FOLHA | LEAF A



FOLHA  
LEAF B



Para os perfis JT62 e JT72  
Para obter o Conjunto, consultar o Depart. Técnico  
CONJ. TOPOS CANTO 90° JT

## MONTAGEM DE AROS MÓVEIS

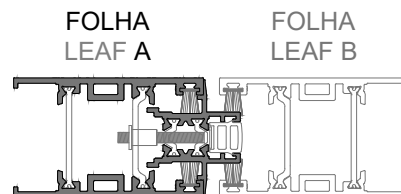
### MOBILE FRAMES ASSEMBLY

#### 7 - Montagem de tipologia de ligação 2 folhas - **FOLHA A.**

Assembly of 2 leaves connection typology - **A LEAF.**

##### 7.1 - Fixar do perfil JT71 ao perfil JT61.

Fix the JT71 and JT61 profiles.

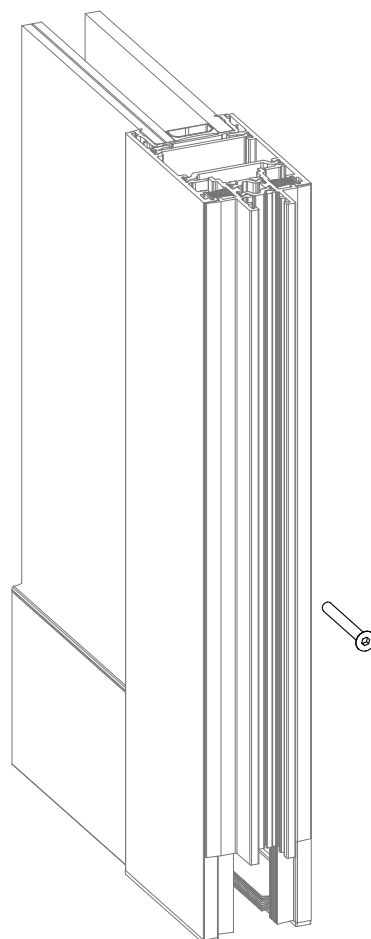
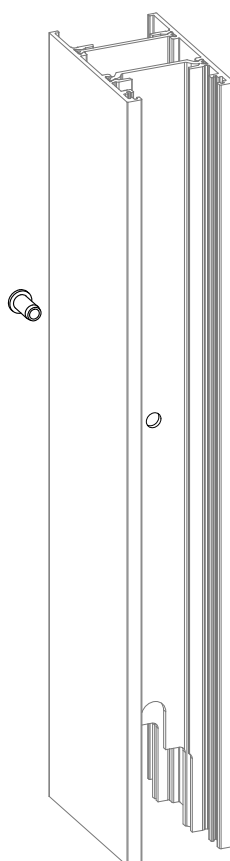
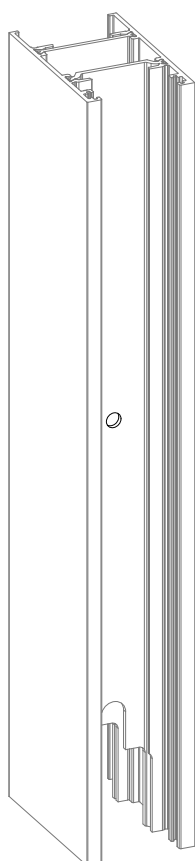
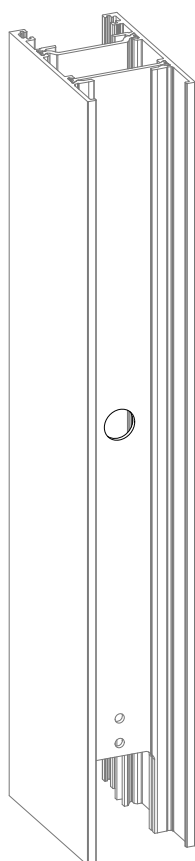
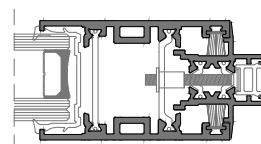
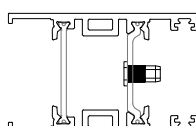
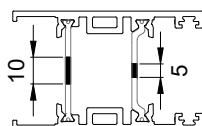
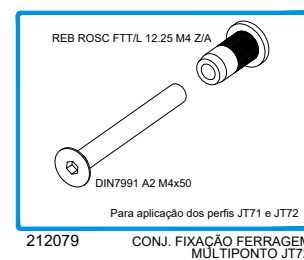


Color os rebites antes de se fazer o fecho das esquadrias da folha móvel.

**Utilizar no mínimo 4 conjuntos para fixação do perfil JT72.**

Place the rivets before closing the frames of the mobile leaf.

**Use at least 4 sets for fixing the JT72 profile.**



## MONTAGEM DE AROS MÓVEIS

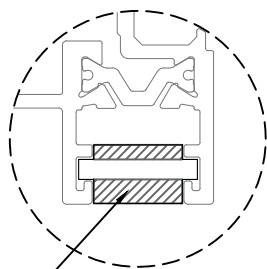
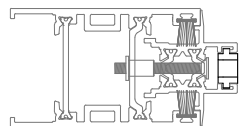
### MOBILE FRAMES ASSEMBLY

#### 7 - Montagem de tipologia de ligação 2 folhas - **FOLHA A.**

Assembly of 2 leaves connection typology - **A LEAF.**

#### 7.2 - Colocação dos calços para contra-fecho antes de se pôr a folha no vão.

Place the locking plate shims before placing the leaf in the frame.

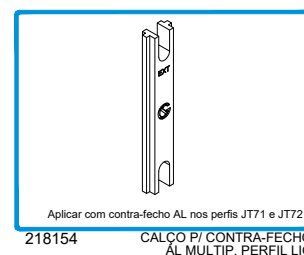
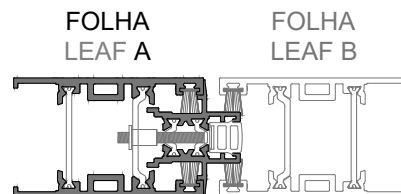
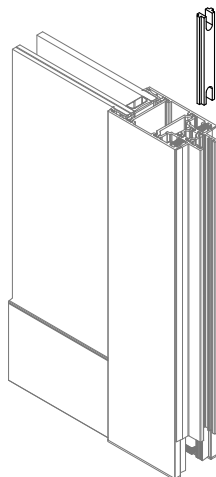


#### **CALÇO NÃO SIMÉTRICO**

(A referência "EXT" e o logotipo deverão ficar para a frente de forma a alinhar com o alumínio)

#### **NOT SYMMETRICAL SHIM**

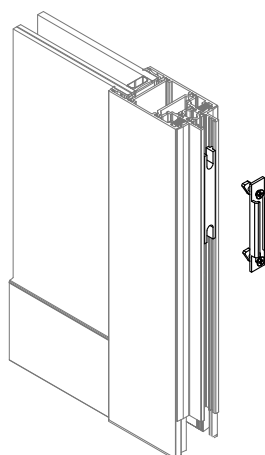
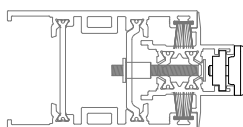
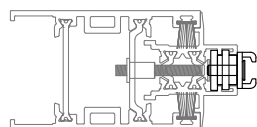
(The "EXT" reference and the logo must stand in the front in alignment with the aluminum)



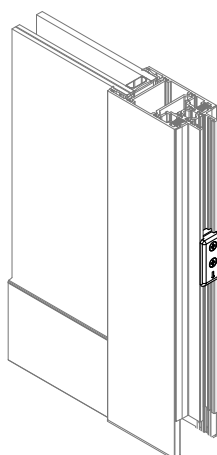
**Este passo só se efetua quando se usa a ferragem multiponto SOS.**  
This step is only performed when using SOS multipoint hardware.

#### 7.3 - Colocar os contra-fechos na posição final.

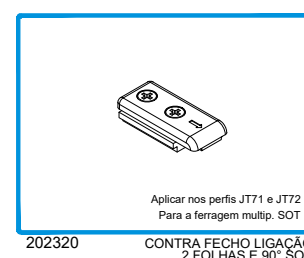
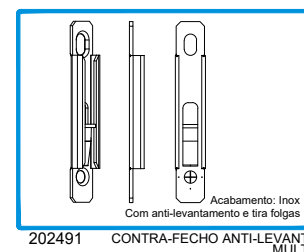
Place the locking plate in its final position.



**FERRAGEM MULTIPONTO  
MULTIPOINT HARDWARE  
SOS**



**FERRAGEM MULTIPONTO  
MULTIPOINT HARDWARE  
SOT**





## MONTAGEM DE AROS MÓVEIS

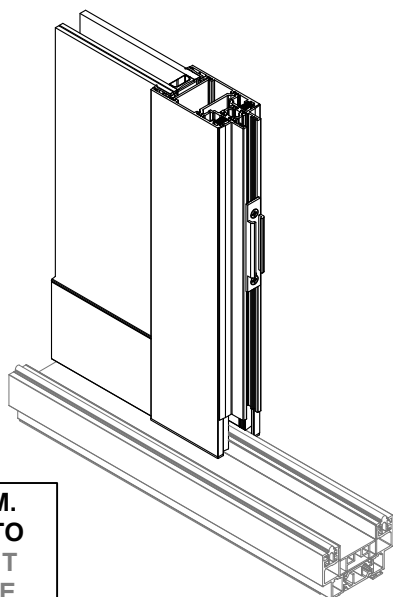
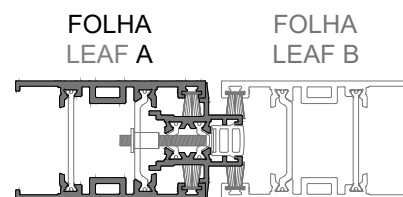
### MOBILE FRAMES ASSEMBLY

#### 7 - Montagem de tipologia de ligação 2 folhas - **FOLHA A.**

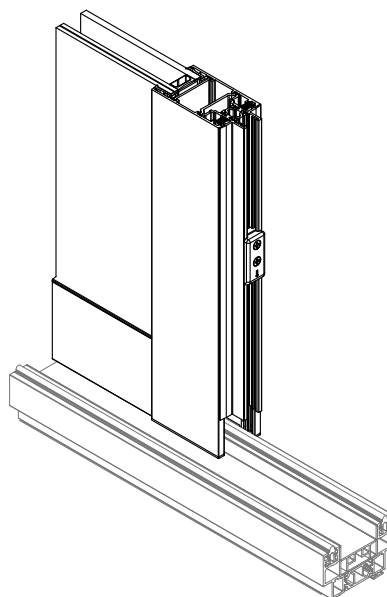
Assembly of 2 leaves connection typology - **A LEAF.**

##### 7.4 - Aplicar a folha no vão.

Apply the leaf in the frame.



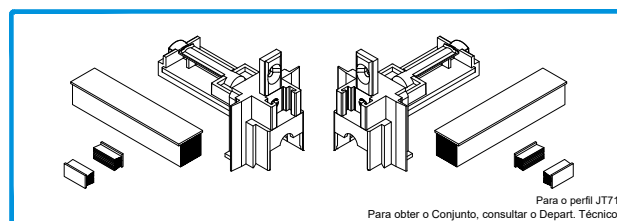
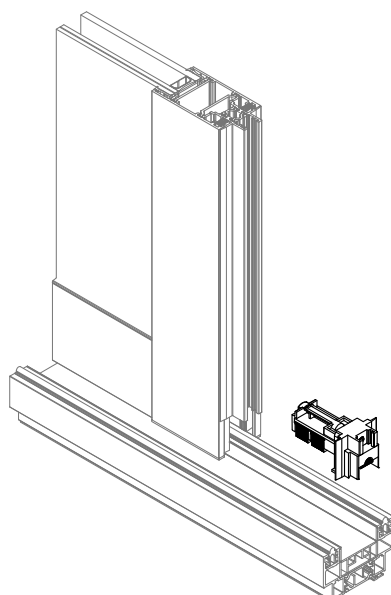
**FERRAGEM.  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOS**



**FERRAGEM  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOT**

#### 7.5 - Colocar o conjunto de topos ligação 2 folhas.

Place the 2 leaves connection end-caps kit.



Para o perfil JT71  
Para obter o Conjunto, consultar o Depart. Técnico

CONJ. TOPOS LIGAÇÃO 2 FOLHAS JT

## MONTAGEM DE AROS MÓVEIS

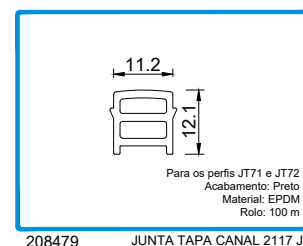
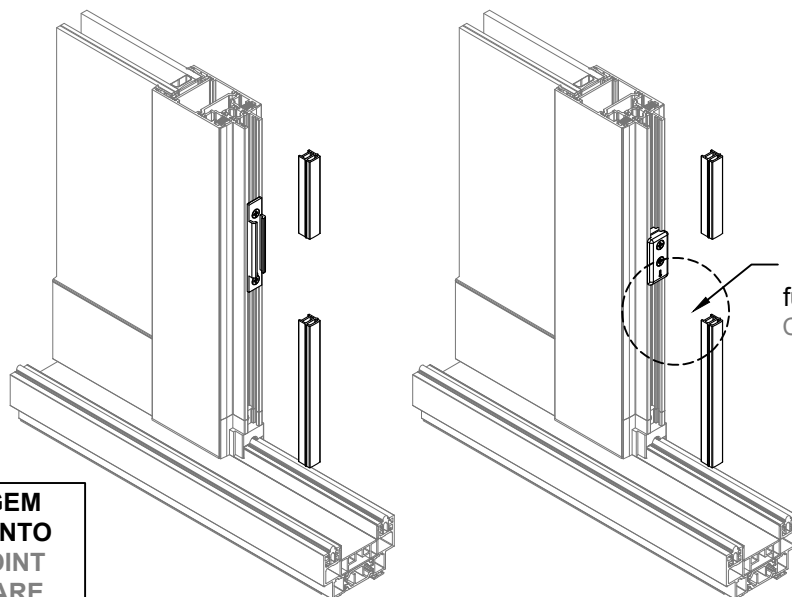
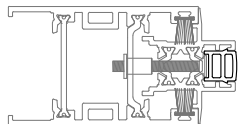
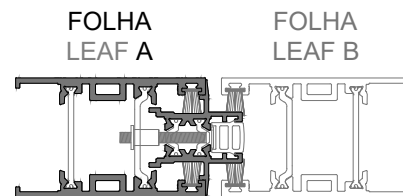
### MOBILE FRAMES ASSEMBLY

#### 7 - Montagem de tipologia de ligação 2 folhas - **FOLHA A.**

Assembly of 2 leaves connection typology - **A LEAF.**

#### 7.6 - Colocar a junta tapa canal perfil lig. 2117 JT.

Place the 2117 channel cover joint.



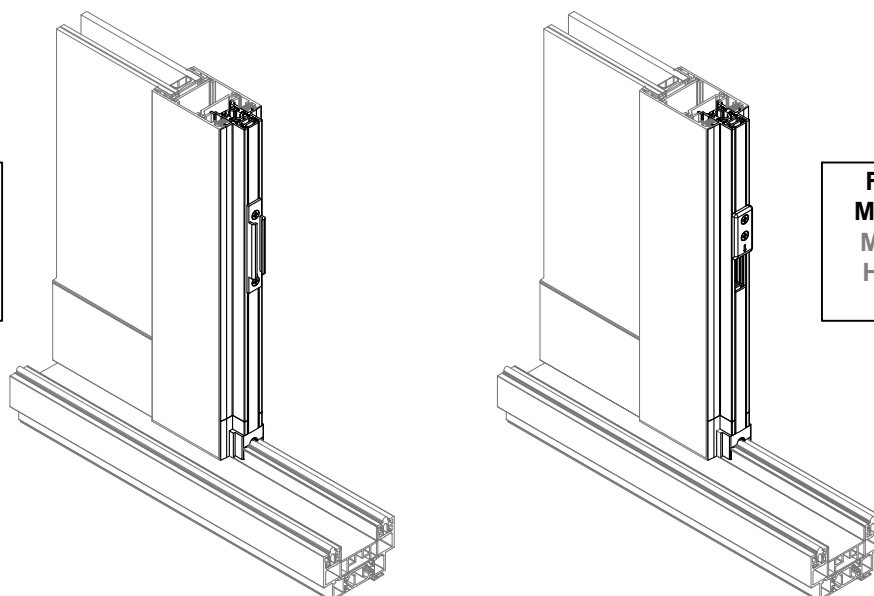
Considerar uma folga para permitir o funcionamento do gancho da ferragem  
Consider a gap to allow the function of the hook of the hardware

**FERRAGEM  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOS**

**FERRAGEM  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOT**

#### 7.7 - Pormenor final da colocação do perfil JT71 e os seus acessórios.

Final detail of JT71 profile placement and its accessories.



**FERRAGEM  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOS**

**FERRAGEM  
MULTIPONTO  
MULTIPOINT  
HARDWARE  
SOT**

## MONTAGEM DE AROS MÓVEIS

### MOBILE FRAMES ASSEMBLY

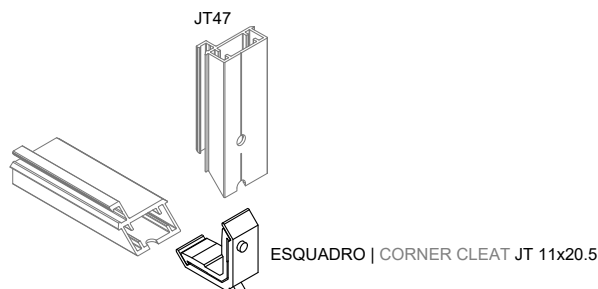
#### 7 - Montagem do aro mosquiteira.

Mosquito net assembly.

#### PAASSO | STEP 1:

Aplicar os esquadros e fechar o aro da mosquiteira.

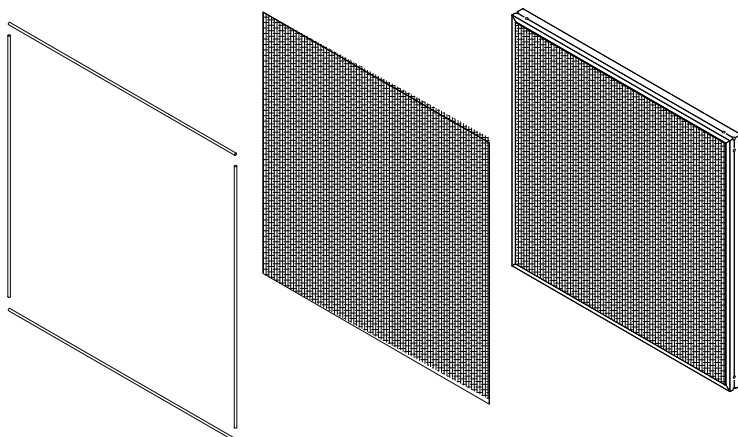
Apply the bracket cleats and close the mosquito net frame.



#### PASSO | STEP 2:

Colocar a rede mosquiteira e fixá-la com o vedante 1027.

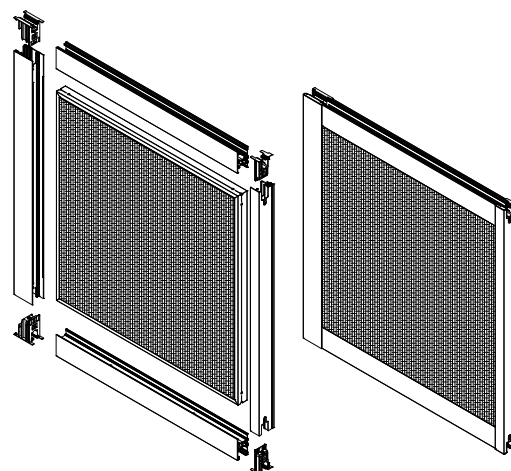
Place the mosquito net and fix it using the 1027 gasket.



#### PASSO 3 | STEP 3:

Fechar o aro móvel em torno do aro da mosquiteira, aplicando silicone estrutural na zona do perfil central.

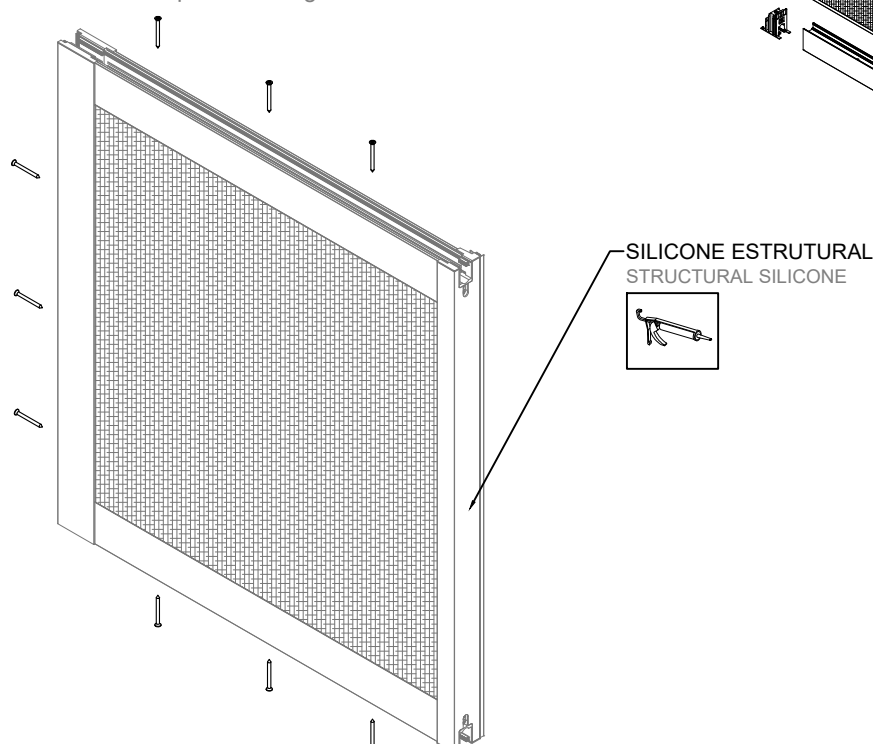
Close the mobile frame around the mosquito net, applying structural silicone in the central profile zone.



#### PASSO | STEP 4:

Fixar o aro da mosquiteira às travessas e perfil lateral utilizando parafusos e ao perfil central através de silicone estrutural.

Fix the mosquito net frame to the transoms and lateral profile using screws and to the central profile through structural silicone.

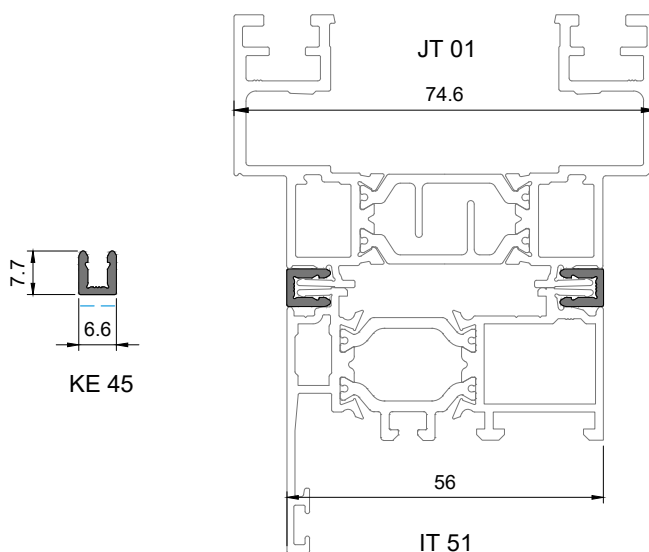


**DETALHES DE LIGAÇÃO**  
CONNECTION DETAILS

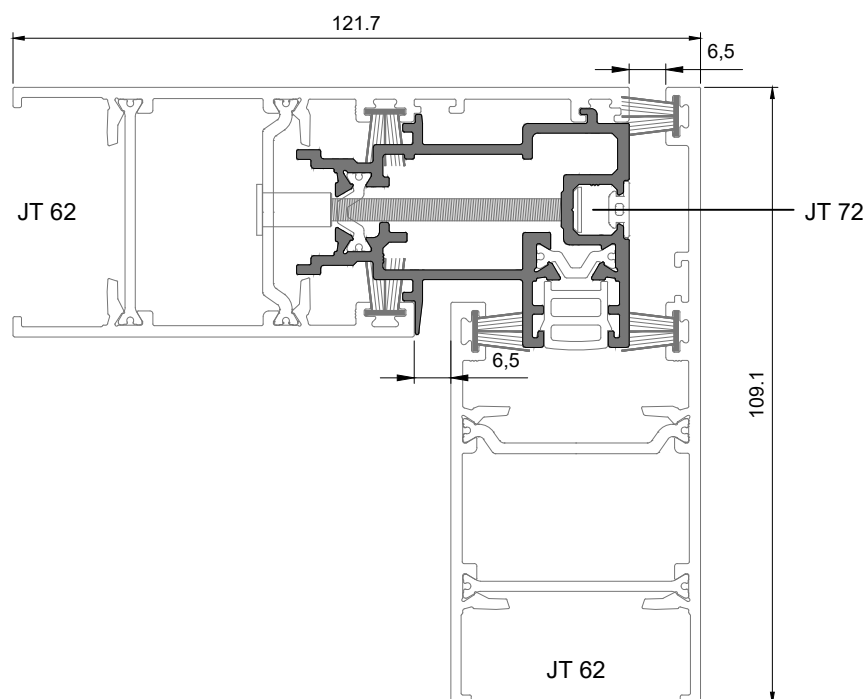
## DETALHES DE LIGAÇÃO

### CONNECTION DETAILS

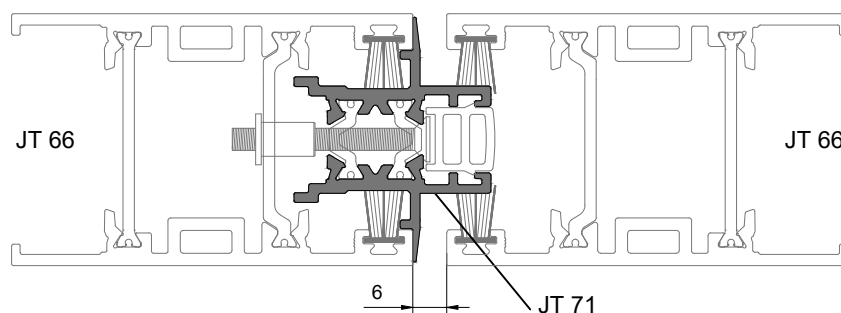
- Ligação do sistema de correr JT ao sistema de batente IT, aplicando perfis KE 45  
Connection of the JT sliding system to the IT opening system, applying KE 45 profiles



- Ligação do 2 folhas em canto 90°, aplicando o perfil JT72  
Connection of 2 leaves in a 90° corner, applying JT72 profile



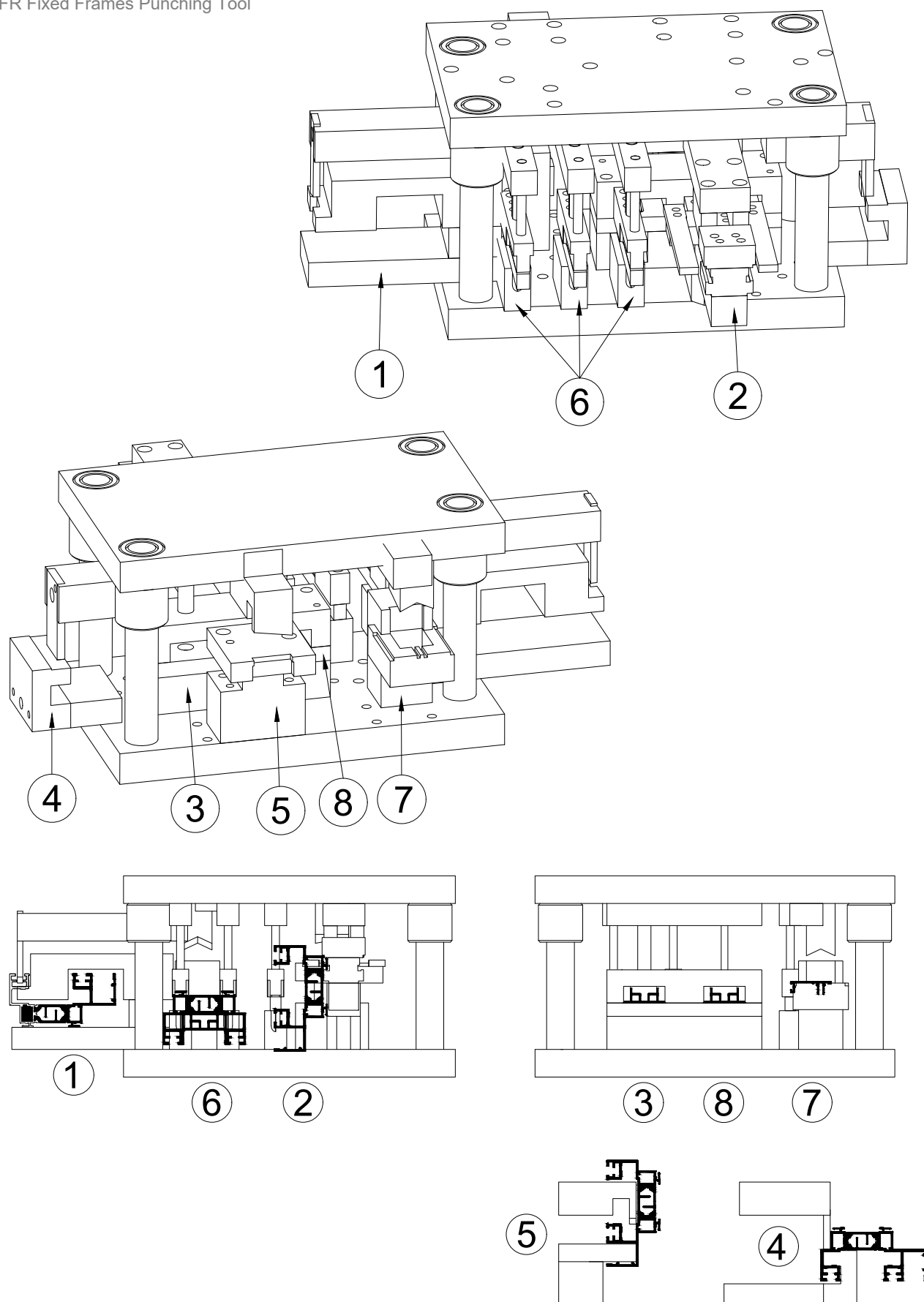
- Ligação do 2 folhas no mesmo rail, aplicando o perfil JT71  
Connection of 2 leaves in the same rail, applying JT71 profile



**CORTANTES**  
PUNCHING TOOLS

# CORTANTES PUNCHING TOOLS

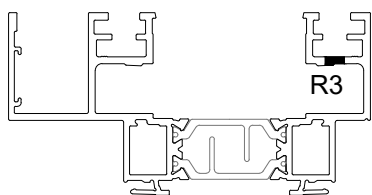
## 1 - Cortante Aros FR FR Fixed Frames Punching Tool



## CORTANTES PUNCHING TOOLS

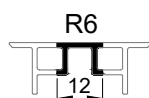
### 1 - Cortante Aros FR FR Fixed Frames Punching Tool

#### 1 - Saída de águas Water drainage



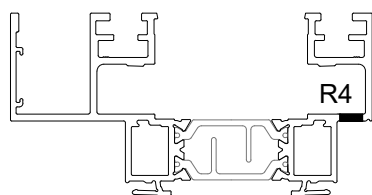
Rago | Cut R3: 5x20mm

#### 3 - Saída de águas Water drainage



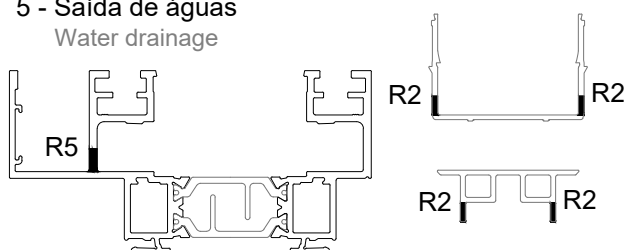
Furo | Hole R6: Ø12mm

#### 4 - Saída de águas Water drainage



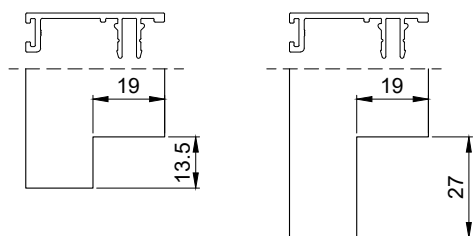
Rasgo | Cut R4: 6x35mm

#### 5 - Saída de águas Water drainage



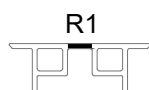
Rasgo | Cut R2: 6x35mm  
Rasgo | Cut R5: 6x35mm

#### 7 - Rasgo para perfis capa Cover profiles milling



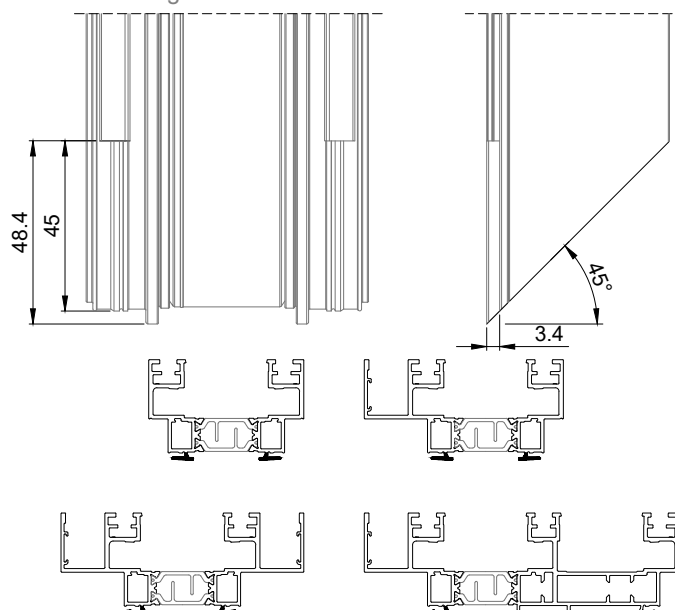
Perfis | Profiles JT85 e | and JT 88

#### 8 - Saída de águas Water drainage

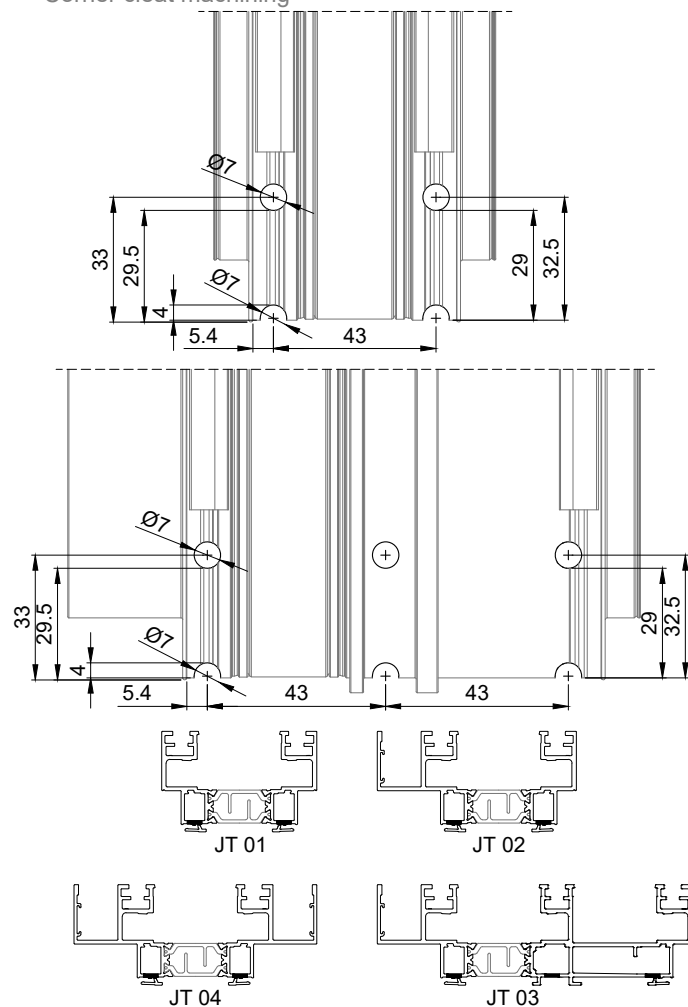


Rasgo | Cut R1: 6x30mm

#### 2 - Corte da aba do perfil nas esquadrias Profiles milling



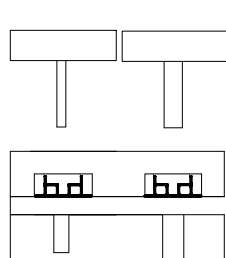
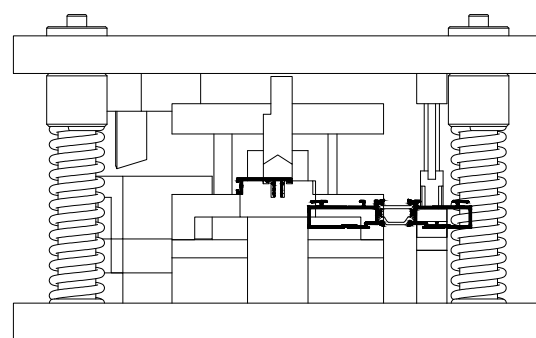
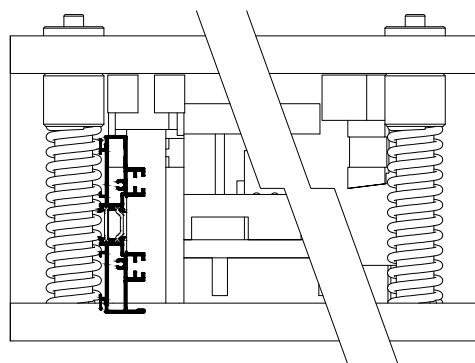
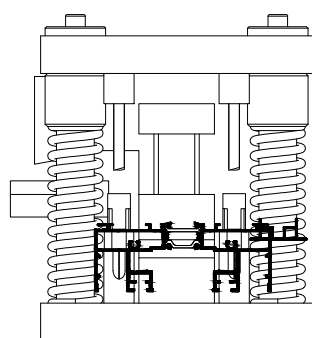
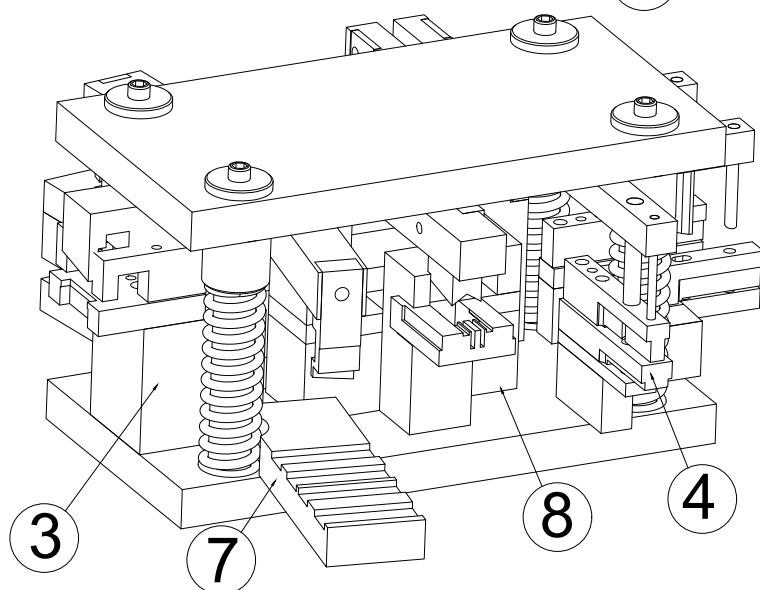
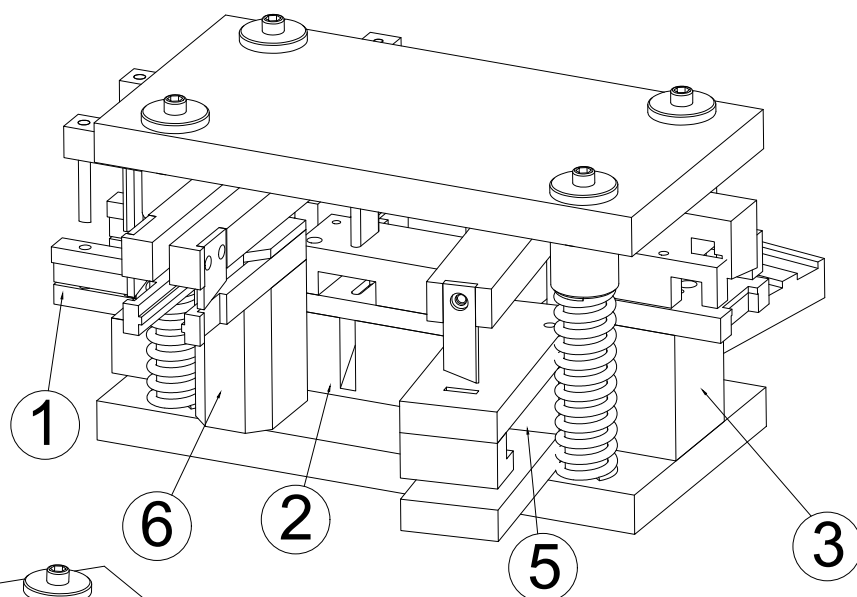
#### 6 - Maquinação para esquadro Corner cleat machining



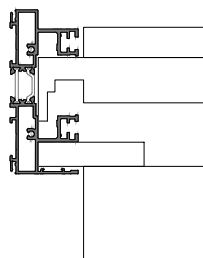


# CORTANTES PUNCHING TOOLS

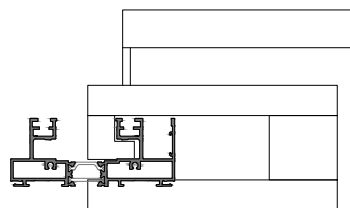
## 2 - Cortante Aros PT PT Fixed Frames Punching Tool



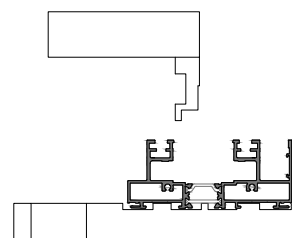
2



3



5

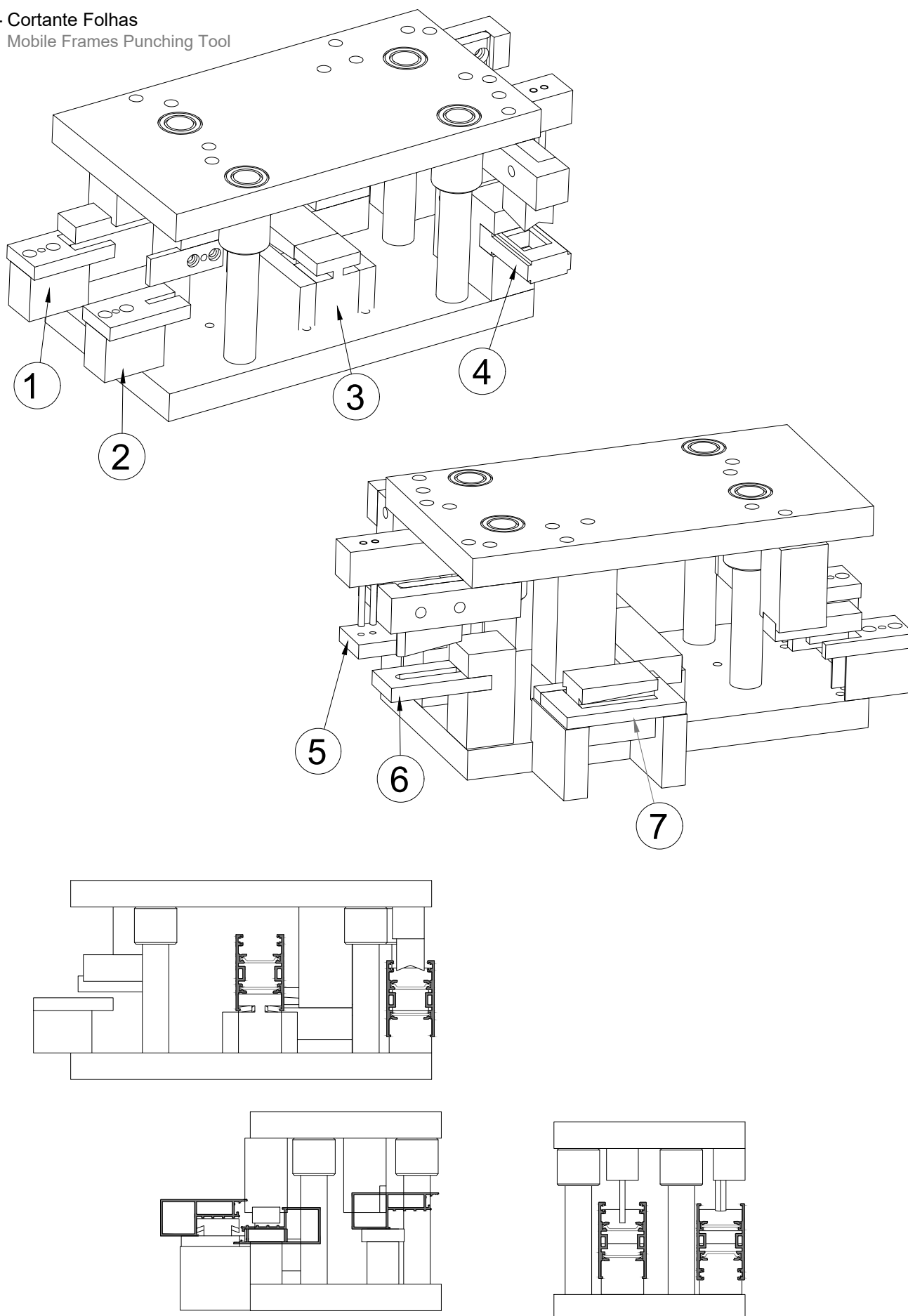


7



## CORTANTES PUNCHING TOOLS

### 3 - Cortante Folhas Mobile Frames Punching Tool



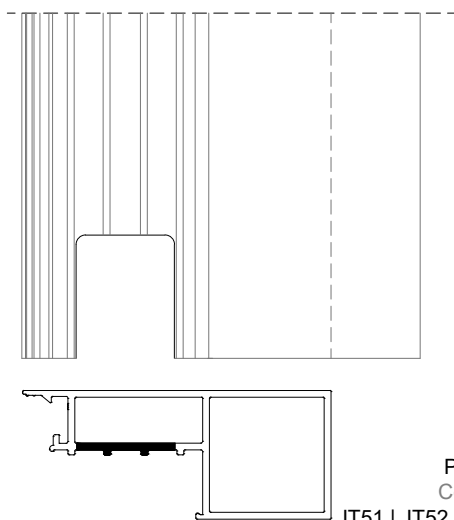
## CORTANTES PUNCHING TOOLS

### 3 - Cortante Folhas

Mobile Frames Punching Tool

#### 1 - Entalhe para topo central

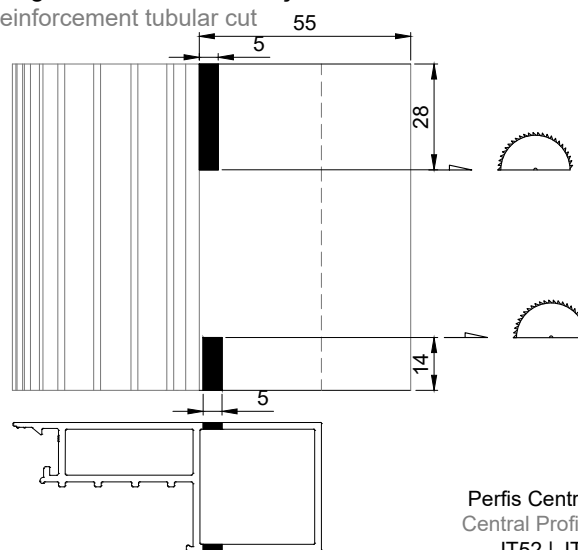
Central end-cap milling



Perfis Centrais  
Central Profiles  
JT51 | JT52 | JT53 | JT 54

#### 2 - Rasgo no tubular de reforço

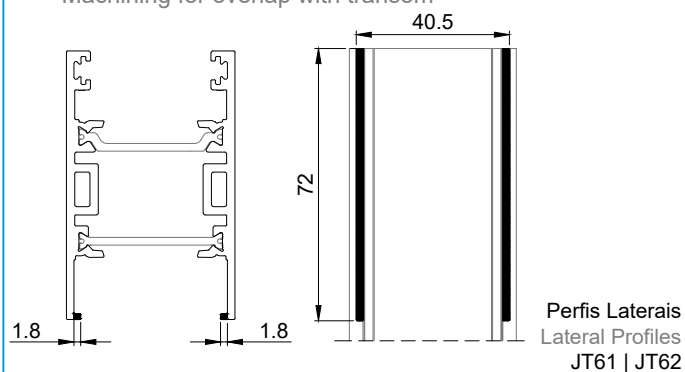
Reinforcement tubular cut



Perfis Centrais  
Central Profiles  
JT52 | JT53

#### 3 - Maquinação para sobreposição com travessa

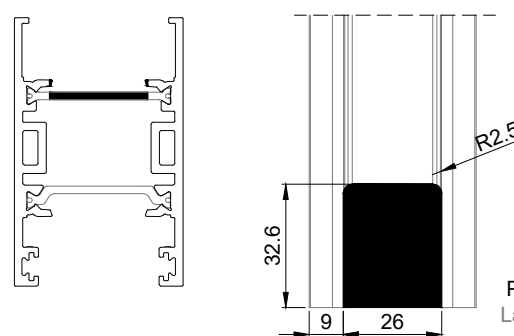
Machining for overlap with transom



Perfis Laterais  
Lateral Profiles  
JT61 | JT62

#### 4 - Entalhe para topo lateral

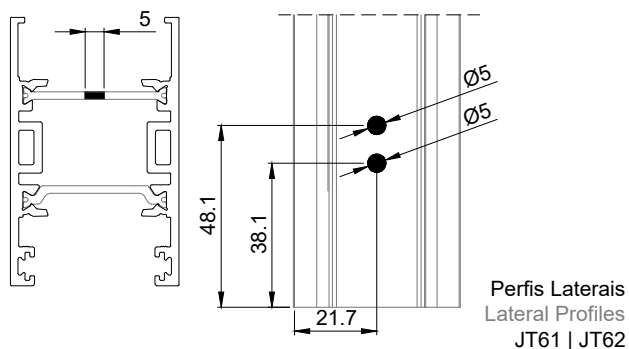
Lateral end-cap milling



Perfis Laterais  
Lateral Profiles  
JT61 | JT62

#### 5 - Furação para topo lateral

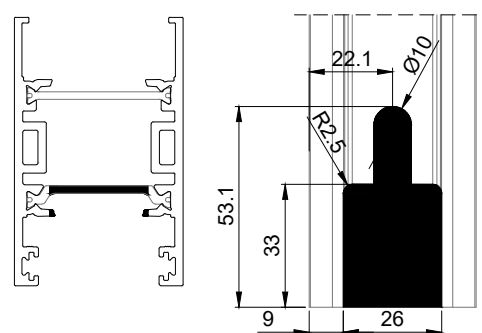
Lateral end-cap drilling



Perfis Laterais  
Lateral Profiles  
JT61 | JT62

#### 6 - Entalhe para topo lateral

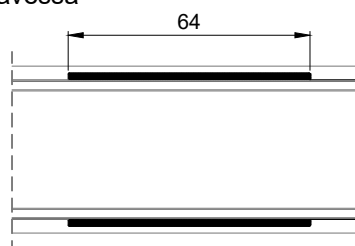
Lateral end-cap milling



Perfis Laterais  
Lateral Profiles  
JT61 | JT62

#### 7 - Maquinação para sobreposição com travessa

Machining for overlap with transom



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